Final Pre-Design Investigation Data Evaluation Report

Operable Unit 6
California Gulch Superfund Site

Leadville, Colorado

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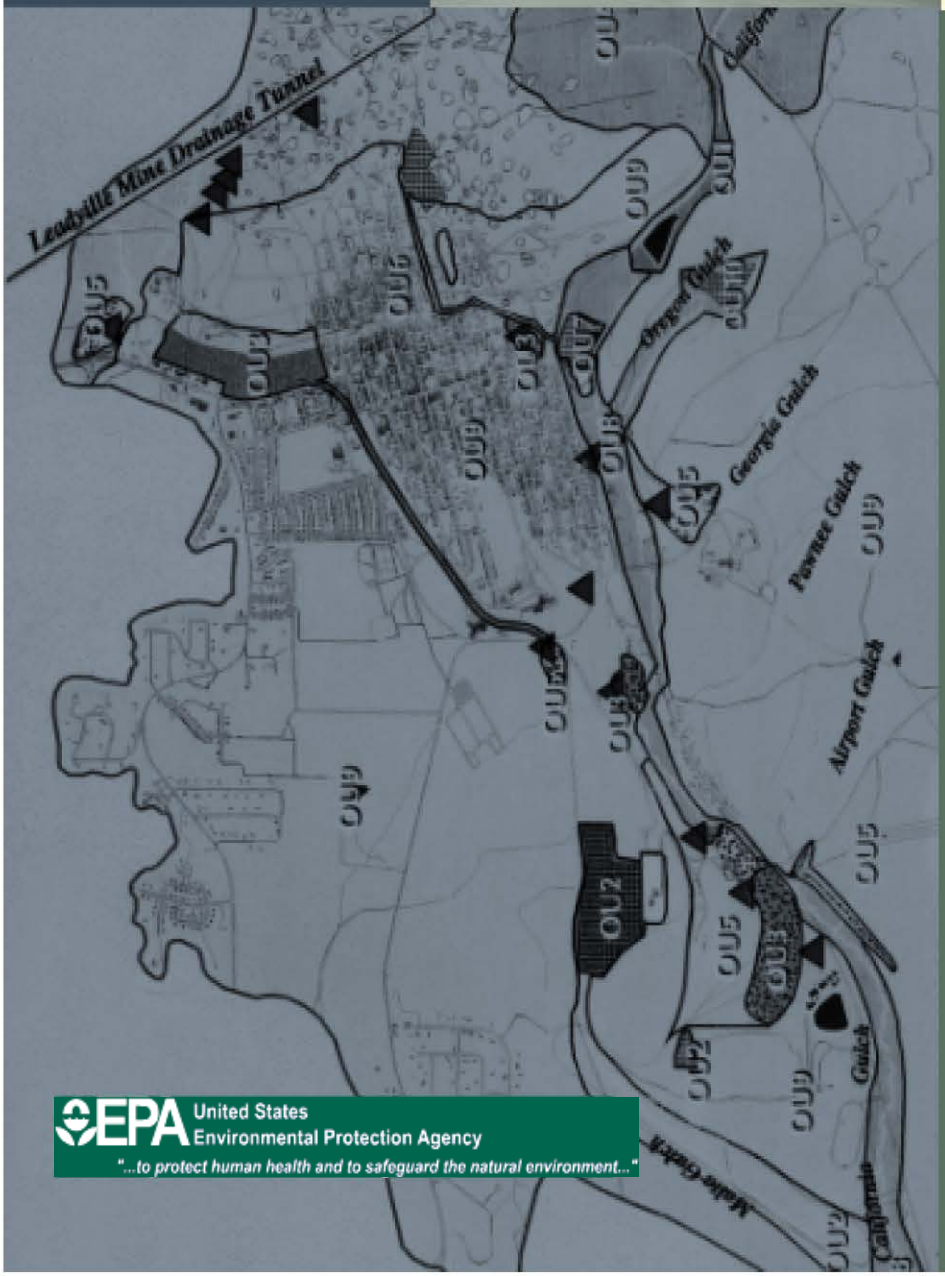

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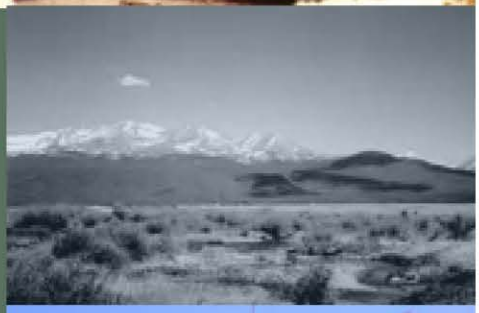

United States Environmental Protection Agency

"...to protect human health and to safeguard the natural environment..."

FINAL

Pre-Design Investigation Data Evaluation Report

California Gulch Superfund Site, Operable Unit 6

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ACRONYMS AND ABBREVIATIONS

ARD	Acid Rock Drainage
bgs	below ground surface
CLP	Contract Laboratory Program
cm/sec	Centimeters per Second
COC	Chemical of Concern
DER	Pre-Design Investigation Data Evaluation Report
EPA	United States Environmental Protection Agency
°F	Degrees Fahrenheit
ft	feet
HDR	HDR Engineering, Inc.
ICP-AES	Inductively Coupled Plasma Atomic Emission Spectroscopy
ID	Inside Diameter
LMDT	Leadville Mine Drainage Tunnel
mg/Kg	Milligram/Kilogram
msl	Mean Sea Level
NPL	National Priorities List
OU	Operable Unit
oz	ounces
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QC	Quality Control
RD	Remedial Design
Reclamation	United States Bureau of Reclamation
ReMi	Refraction Microtremor
ROD	Record of Decision
RPD	Relative Percent Difference
SPT	Standard Penetration Test
TAL	Target Analyte List
USCS	Unified Soil Classification System

EXECUTIVE SUMMARY

This Pre-Design Investigation Data Evaluation Report (DER) was conducted for the U.S. Environmental Protection Agency (EPA) to collect and evaluate data to support the Remedial Design (RD) for Operable Unit 6 (OU6) of the California Gulch Superfund Site in Leadville, Colorado (Site). The purpose of the RD as defined in the Record of Decision Amendment (2010 ROD Amendment) issued on September 25, 2010 is to "reduce the potential load of heavy metals entering into the Arkansas River by preventing their release to surface water in the Stray Horse Gulch area and to contain any contaminated waters in lined retention ponds." (EPA, 2010b).

Currently, acid rock drainage (ARD) from OU6 is collected in the Pyrenees, RAM, Greenback, Mikado and Marion Ponds through a series of ARD drainage ditches. The ARD that reaches the Marion Pond is discharged to the Leadville Mine Drainage Tunnel (LMDT). ARD generated in OU6 is conveyed from the LMDT to a treatment plant operated by the US Bureau of Reclamation (Reclamation) prior to discharge to the East Fork of the Arkansas River.

The objective of the DER was to:

- obtain data on the concentration of lead, cadmium, and zinc; and compare the data to the past results found in the Environmental Geology of Operable Unit 6, Removal Action Design Data, California Gulch Superfund Site, Leadville, CO authored by the U.S. Department of the Interior, Bureau of Reclamation, Technical Service Center for the U.S. Environmental Protection Agency dated February 14, 1997 (Reclamation, 1997);
- assess the relative potential for ARD generation across the mine waste piles;
- provide data on the geotechnical properties of the mine waste to support the selection and design of capping options;and
- assess the presence of permeable and saturated materials upgradient of the waste piles.

The assessment of the presence of permeable and saturated materials was conducted to evaluate the viability of a groundwater cutoff system to prevent infiltration of groundwater into mine waste piles, which has been theorized to be a significant source of ARD generated in OU6.

DER field activities were completed August 6 – September 27, 2012. To investigate the potential for ARD generation, 58 mine waste surface composite samples were collected and 25 mine waste samples were collected at ten-foot intervals from borings installed in the RAM, Greenback, Old Mikado, and New Mikado waste piles. These samples were analyzed for Target Analyte List metals, sulfide, sulfur, gold, and cyanide. Samples from the mine waste borings were also collected for geotechnical testing to support capping design. Geotechnical testing

included 14 tests for Atterburg Limits and grain size, and 13 tests for moisture content and density.

The field investigation to evaluate the groundwater cutoff system included:

- conducting surface resistivity and refraction microtremor (ReMi) surveys conducted along the approximate groundwater interceptor alignment;
- drilling 17 borings along the approximate groundwater interceptor alignment using standard penetration test (SPT) method to collect density information at five-foot intervals;
- installing 10 piezometers for measurement of groundwater level in specific strata;
- installing two sets of nested piezometers in mine waste to evaluate the relationship of groundwater elevations in the mine waste versus alluvium below the waste piles;
- conducting falling head tests on ten piezometers along the proposed groundwater cutoff alignment to investigate the soil permeability in the screened strata; and
- geotechnical testing including 32 Atterburg Limits tests, 50 grain size tests, 17 moisture content tests, 18 density tests, three laboratory permeability tests, and three shear strength tests.

Mine Waste Geochemistry

Evaluation of the mine waste chemistry reveals that high levels of zinc and cadmium tend to occur in association with relatively low levels of acidity. This suggests that the individual piles of mine waste cannot be ranked as a function of acidity. Despite the inability to establish an obvious mine waste pile ranking based on ARD-generating potential, the RD will accommodate the remedial action objectives stated in the ROD amendment by:

- implementing capping strategies that target all mine wastes while giving consideration to public opposition to disturbing mine wastes visible from the Mineral Belt Trail; and
- excluding areas within individual waste piles that exhibit relatively low cadmium and zinc concentrations. However, such areas are expected to be limited.

Geotechnical

Geophysics

The surface geophysical surveys (ReMi and resistivity) did not show evidence of mine workings within the surveyed alignment. Identification of mine workings was a primary reason for geophysical surveying. ReMi lines were also used to develop an estimated depth to bedrock.

The ReMi survey generally indicated that depth to bedrock was greater than 50 feet (ft). This is consistent with the results of borings GT-1 through GT-15. The ReMi and resistivity results were also used to develop soil profiles and an approximation of relative soil components.

Site Geology

The site consists of glacial till and possibly glacial outwash and lacustrine deposits overlying bedrock at various depths. Bedrock (tuff) weathered to various degrees was found in two (of 17) borings advanced at the northern end of the alignment at depths of 13-29 ft. Bedrock was not encountered in any of the remaining 15 borings. Site soils consist of a variety of primary components including low plasticity clay, low plasticity silt, gravel, sand, high plasticity clay, and high plasticity silt.

Geotechnical Properties – Mine Waste

Mine waste consists of a wide range of particle sizes from cobble to fine-grained material of varying plasticity. Mine waste piles overly glacial till consisting of low plasticity firm to stiff clay, and medium dense to dense sand and gravel.

Geotechnical Properties – Groundwater Cutoff Alignment

Review of geotechnical information collected from the proposed groundwater cutoff alignment indicates that the area investigated with the greatest potential to convey groundwater to the base of mine waste piles was on the north end, above bedrock (tuff) encountered at relatively shallow depths. In addition, a zone of relatively low fines content was encountered further south. Due to high relative density of site soils evidenced by high SPT blow counts, it is not likely that significant effective porosity exists at either location. The high relative densities are explained by historic glacial loading, which compressed the particles resulting in reduced pore space. The calculated hydraulic conductivity of site soils and most bedrock suggest that, even in material such as silty sand and clayey gravel with sand, that are often associated with higher hydraulic conductivity, the percent of fines and degree of consolidation reduce effective porosity.

In summary, based on available data collected, it is reasonable to conclude that groundwater conveyed through soils from the upper, eastern portion of OU6 beneath the clean water diversion ditch into the base of mine waste piles is a minor contributor to the total amount of ARD generated at OU6. In order to better define this conclusion, HDR will compare water level data from piezometers installed by Sourcewater Consulting, LLC (SourceWater) when that information becomes available.

A historic mining water diversion system, located uphill (generally east) of mine waste piles was observed during the field investigation. The possibility of existing water conveyance piping

from this abandoned system conveying water to beneath the mine waste piles exists. The RD will address properly abandoning this system to minimize the potential for conveyance of water into mine waste.

Groundwater Conditions

All piezometers along the proposed groundwater interceptor alignment were dry prior to initiation of falling head tests. Note that the 2011/12 total snow-water-equivalent was 5.5 inches, the lowest in 8 years and two inches lower than the 10-year average of 7.5 inches.

One piezometer near the southern end of the conceptual groundwater cutoff alignment screened in mine waste had a groundwater elevation of 10,586.81 ft mean sea level (msl) on September 25, 2012. The mine waste/native soil interface at this location was encountered at 10,583.7 ft msl. Therefore, approximately three feet of saturated mine waste existed at the base of the Greenback pile in late September 2012. Water was measured in an adjacent piezometer screened in the underlying alluvium at an elevation of 10,584.44 ft msl. This is slightly higher than the mine waste/soil interface and several feet lower than phreatic surface in the mine waste itself. Combined with geotechnical data suggesting relatively higher permeability in the mine waste than in underlying alluvium (lower percent fines and lower SPT N values) the water level data suggests that groundwater is perched to some extent on the mine waste/native soil interface. This perched water may be migrating within the mine waste along the native soil slope and eventually discharge at the surface in the form of seeps. Some vertical migration from mine waste into native soils is also expected.

In September, saturated conditions existed in mine waste concurrent with dry conditions in all up-gradient boreholes advanced along the proposed groundwater cutoff alignment. This may indicate that groundwater is, in fact, perched on native soils and has a relatively long residence time within the mine waste as it migrates to the location of seeps where it discharges to surface water. This is consistent with reports of persistent seepage at the base of several waste piles long after snowmelt and spring runoff has ended.

Given limited permeability within alluvium and bedrock encountered along the proposed cutoff alignment, it seems likely that groundwater present in mine waste originates from infiltrating precipitation (rain or snowmelt) rather than via groundwater entering the mine waste area from locations up-gradient of the proposed cutoff alignment.

1.0 INTRODUCTION

1.1 Purpose

This Pre-Design Investigation Data Evaluation Report (DER) was conducted for the U.S. Environmental Protection Agency (EPA) to collect and evaluate data to support the Remedial Design (RD) for Operable Unit 6 (OU6) to the California Gulch Superfund Site in Leadville, Colorado (Site). Figure 1-1 provides a location map of the Site.

The purpose of the RD as defined in the Record of Decision Amendment (2010 ROD Amendment) issued on September 25, 2010 is to "reduce the potential load of heavy metals entering into the Arkansas River by preventing their release to surface water in the Stray Horse Gulch area and to contain any contaminated waters in lined retention ponds"(EPA, 2010b).

The RAOs for the 2010 ROD Amendment are the same as those listed in the 2003 ROD. They are:

1. "control erosion of mine waste rock and deposition into local water courses;
2. control leaching and migration of metals from mine waste rock into surface water;
3. control leaching of metals from mine waste rock into groundwater; and
4. prevent direct unacceptable exposures to elevated concentrations of contaminants in the soil and mine waste rock" (EPA, 2010b).

The components of the 2010 ROD Amendment that pertain to this design are:

- The current clean water diversion systems along the Mahala, Pyrenees, Greenback, RAM, Old Mikado, New Mikado, and Adelaide-Ward will be expanded and improved to increase the volume of clean water transported away from acid rock drainage (ARD) generating sources. Clean water will be collected and diverted into existing clean water systems such as California Gulch, Stray Horse Gulch and Starr Ditch.
- In order to prevent infiltration of snowmelt and rain into the mine waste and reduce the volume of ARD generated, EPA will cap, as determined in the design phase, all or parts of the Greenback, RAM, Old Mikado, New Mikado, and Adelaide-Ward Mine waste rock piles. Due to their historic value, the piles will be capped in a way that will maintain their current appearance to the greatest extent possible. In particular, the surfaces of the piles that are visible along the Mineral Belt Trail and county roads will be handled with great care. At the request of Lake County officials in 2009, EPA conducted a pilot capping study (EPA, 2010a) to demonstrate various capping approaches that can achieve the environmental goals of ARD reduction while at the same time minimizing the alteration of the appearance of the piles.

- The existing ARD collection system including retention ponds (Pyrenees, Greenback, Marion, RAM, Old Mikado, New Mikado, Upper Adelaide and Lower Adelaide) would be enhanced, enlarged and lined to be able to hold spring runoff flows of the minimized acidic, contaminated water. The specific sizing of the retention ponds will be determined in the design phase and will be based on a 100-year event design capacity with the option of constructing 500-year event ponds where feasible.
- After this proposed remedy change is fully implemented, the use of the Leadville Mine Drainage Tunnel (LMDT) for conveyance of ARD to the US Bureau of Reclamation's (Reclamation) plant for treatment will be eliminated except for in the case of an extreme weather event whereby the only other option would be to release untreated ARD into Stray Horse Gulch (EPA, 2010b).

The proposed three phases of remedial action are:

1. divert clean water upgradient of waste rock piles;
2. selectively cap higher priority areas of the mine waste rock piles; and
3. resize ARD and clean water drainage system including retention ponds as needed.

1.1.1 Objective of Environmental Investigation

A geochemical investigation of surface and subsurface mine wastes was performed to assess the relative potential for ARD generation across the mine waste piles. Spatial variation in potential ARD generation, if any, can be used to prioritize areas for capping.

Mine waste chemistry was also compared with human health-based remediation goals established for recreational land use.

1.1.2 Objective of Geotechnical Investigation

It has been suggested that groundwater entering mine waste piles from up-hill locations is a significant contributor to LMDT discharge via the Marion Shaft. If true, one conceptual method of reducing the amount of groundwater entering mine wastes is to intercept up-gradient groundwater.

A geotechnical investigation was performed to assess the presence of permeable and saturated materials that could convey a meaningful quantity of groundwater into mine wastes. In addition, geotechnical properties of the mine waste itself were investigated to support selection and design of capping options as well as methods to intercept groundwater.

1.2 Site Location and Description

The California Gulch Superfund Site is located in Lake County, Colorado, approximately 100 miles southwest of Denver. About 18 square miles in size, the Site includes the City of Leadville and surrounding areas.

Mining, mineral processing and smelting activities produced gold, silver, lead and zinc for more than 130 years. Mining began in the Leadville area in 1859 when prospectors working channels of Arkansas River tributaries discovered gold at the mouth of California Gulch. Mine waste rock, which contains heavy metals and other chemicals, poses a threat to the environment. When water contacts mine waste rock, acid is generated lowering its pH and mobilizing heavy metals creating ARD which is then transported to surface water and/or groundwater, providing exposure pathways for terrestrial and aquatic organisms.

Added to the National Priorities List (NPL) in 1983, the Site is divided into 12 operable units. Operable Unit 6, which is the subject of this RD, comprises approximately 3.4 square miles in the northeastern portion of the Site and includes Stray Horse Gulch and Evans Gulch watersheds. Stray Horse Gulch is a tributary to California Gulch. This RD concerns the Stray Horse Gulch portion of OU6 (Figure 1-2). The mine waste piles on the west end of OU6 and location of storm water diversion/collection structures are shown on Figure 1-3.

1.3 Report Organization

This DER Report is organized in sections by the following major topics:

- Section 1.0 Introduction
- Section 2.0 Field Investigations
- Section 3.0 Analytical Results
- Section 4.0 Data Validation
- Section 5.0 Summary of Findings
- Section 6.0 References

A list of subsections in this report is provided in the Table of Contents.

2.0 FIELD ACTIVITIES

Field activities were conducted in accordance with the California Gulch OU6 DER Quality Assurance Project Plan (QAPP) (HDR, 2012), except where noted. Refer to Appendix A for the Daily Quality Control Reports completed during the field activities.

2.1 Environmental Sampling Activities

Surface and subsurface soil sampling activities were conducted from August 6th through August 22nd, 2012 at the Greenback, RAM, New Mikado and Old Mikado mine waste piles. Refer to Figures 2-1 and 2-2 for sample locations. Samples were submitted for the following analyses:

- target analyte list (TAL) metals, gold and mercury;
- cyanide;
- sulfide; and
- acidity.

Systematic mine waste surface sampling was performed at 100-foot spacing. Drilling locations (to support subsurface mine waste sampling) were based on access limitations.

2.1.1 Surface Sampling

Surface soil sampling locations were marked at the beginning of the field investigation using a hand-held global positioning system (GPS) device. Some locations were adjusted based on accessibility or to ensure the sample was within the waste pile. Final GPS coordinates of each surface sample location were documented after sample collection.

All surface samples were five-point composites. Four of the subsamples were collected 10-feet east, west, north and south of the sample area center with the fifth subsample collected from the center.

A dedicated plastic scoop was used to collect soil from 0 to 3 inches below ground surface (bgs) at each subsample location. The soil was described per the Unified Soil Classification System (USCS) and placed in a dedicated one-gallon zip-lock bag. The soil sample was thoroughly homogenized in the bag and placed into 3-8 ounce unpreserved (laboratory supplied) amber glass jars (additional sample volume was collected for quality control (QC) samples). Additional dedicated equipment included disposable nitrile gloves used by the sampler.

Samples were submitted to the Contract Laboratory Program (CLP) laboratory for TAL metals, gold, mercury, and cyanide analyses and to Test America Laboratories for sulfide and acidity analyses.

Samples collected for chemical analysis were documented in a field notebook, properly labeled and placed in a cooler with ice. Soil samples were then shipped by FedEx or hand delivered to the laboratory under proper chain-of-custody.

Fifty-eight composite surface soil samples were collected during August 6-14, 2012.

The samples were designated as follows:

- Greenback (G1 through G19);
- RAM (R1 through R21);
- New Mikado (NM1 through NM10); and
- Old Mikado (OM1 through OM8).

Quality control samples were collected from three locations (G20, R22, and NM11), including field duplicates, and matrix spike/matrix spike duplicates.

2.1.2 Mine Waste Pile Borings and Sampling

Boreholes were advanced until native soil was encountered at depths ranging from 18 to 40 feet (ft) bgs. Grab samples for chemical analysis were collected at ten foot intervals in each boring. Twenty-five subsurface samples were collected with borehole and sample designations listed below.

<u>Greenback</u>

- Borehole GB1 (Samples GB1-10, GB1-20 and GB2-30)
- Borehole GB2 (Samples GB2-10, GB2-20 and GB2-30)

<u>RAM</u>

- Borehole RB1 (Samples RB-10 and RB-20)
- Borehole RB2 (Samples RB2-10, RB2-20 and RB2-30)

<u>New Mikado</u>

- Borehole NB1 (Samples NB1-10, NB1-20, NB1-30,and NB1-41)
- Borehole NB2 (Samples NB2-10, NB2-20, NB2-30, and NB2-40)

Old Mikado

- Borehole OB1 (Samples OB1-10, OB1-20, and OB1-30)
- Borehole OB2 (Samples OB2-10, OB2-20 and OB2-30)

Quality control samples were collected from four locations (G20, R22, A23, and NM11), including field duplicates, and matrix spike/matrix spike duplicates. In addition, field blanks and rinsate samples were collected once per day during subsurface sample collection.

Boreholes GB1, GB2, RB1, RB2 and NB1 were drilled using a CME 55 hollow stem auger drill rig and boreholes NB2 and OB1 and OB2 were drilled with a CME 850X hollow stem auger drill track rig due to rugged field conditions. Two boreholes (NB2 and OB2) were drilled at an angle (approximately 20 degrees to the southwest) to align the borehole perpendicular to the inferred dip of mine waste layers.

Soil samples were collected at least every five feet for lithologic description. Blow counts were recorded for each split spoon sampler driven into the subsurface. Upon opening each split spoon, the approximate core recovery (length) and soil description (i.e. USCS classification, color, moisture, etc.) was documented on boring logs (Appendix B). Each sample was then placed into a one-gallon zip lock bag, thoroughly mixed, and transferred into 3-8 ounce unpreserved (laboratory supplied) amber glass jars for chemical analyses (additional sample volume was collected for QC samples).

Cuttings from most boreholes were placed on the ground adjacent to the borehole. Drill cuttings from boreholes located on the New and Old Mikado waste rock piles (NB1, NB2, OB1 and OB2) were placed on large tarps and covered per the property owner's request. Each borehole was abandoned with grout.

Split spoons were decontaminated between each sample drive with an Alconox wash or equivalent and hollow stem augers, drill bit and all other downhole equipment was power washed between borehole locations.

Samples collected for chemical analysis were properly labeled and placed in a cooler with ice and shipped by FedEx to the laboratory under proper chain-of-custody.

2.2 Geotechnical Investigation

Geophysical investigations included surface geophysics (refraction microtremor (ReMi) and resistivity), seventeen geotechnical borings, laboratory testing of soil samples, piezometer installation, and in situ permeability testing. Locations of geotechnical boring and piezometers are presented on Figure 2-3.

2.2.1 Geophysics

Surface resistivity and ReMi surveys were conducted along the proposed groundwater interceptor alignment. Resistivity was employed primarily to detect the presence of mine workings including the historic mining water diversion system located uphill (east) of the mine waste piles. Elements of this system were observed by HDR during this field investigation. A zone of very high resistivity can be indicative of a void (Sheets, 2002) especially when in direct contrast to lower resistivity surrounding material. ReMi employs Rayleigh Waves to establish shear wave velocity and is useful in determining the interface between soil and rock. In addition, very low shear wave velocity zones can be indicative of subsurface anomalies such as mine workings.

Each survey line was approximately 1,900 ft long. In addition, a 500 ft ReMi line was conducted uphill of the proposed groundwater interceptor alignment. This survey line investigated the presence of any subsurface anomalies in an area where pipe from an abandoned surface water collection and distribution system was suspected to extend downhill toward the Pyrenees pile. Refer to Figure 2-4 for a location of the resistivity and ReMi survey lines. Surface geophysical surveys were conducted from August 6 to August 9, 2012 by PSI Inc. of Westminster, CO. Surface geophysical survey results are presented in Appendix C, Geophysical Data.

2.2.2 Geotechnical Borings

Seventeen geotechnical borings were completed approximately along the proposed groundwater interceptor alignment. Auger/standard penetration test (SPT) drilling was used to collect SPT N data and split spoon samples at five-foot intervals in accordance with ASTM D 1586. In addition to SPT sampling, six Shelby Tube samples were collected in accordance with ASTM D 1587. Each SPT sample was classified using USCS soil description criteria in the field by an HDR geotechnical engineer or geologist. Samples from each two-foot SPT interval were bagged and labeled in the field for laboratory analyses, further classification, and as record of subsurface conditions.

In addition to auger/SPT drilling, rock coring was employed in geotechnical boring GT-17 to core into bedrock. Rock coring was completed according to ASTM D2113-08 Standard Practice for Rock Core Drilling and Sampling of Rock for Site Investigation. NQ core tooling was used to recover 1.87-inch diameter core samples.

In addition to geotechnical borings completed to investigate the proposed groundwater interceptor alignment, 14 subsurface samples were collected using Shelby Tubes during advancement of soil borings in mine waste (discussed in Section 2.1.2). These samples were field logged by an HDR geologist and submitted to PSI for geotechnical testing. Collection of

Shelby Tube samples from mine waste was attempted in order to complete shear strength and hydraulic conductivity tests of mine waste material; however, the presence of rock fragments inhibited recovery and prevented collection of sufficient sample volume. Refer to Appendix D for results of geotechnical testing. Logs for completed borings (including SPT N values) are presented in Appendix B.

HDR performed field classification of all soil and rock samples using USCS in accordance with ASTM D 2487-11, ASTM D 2488-09A, and the Reclamation Engineering Geology Field Manual, Chapters 4 and 5 for description of rock core (Reclamation, 2002).

2.2.3 Piezometer Installation

Piezometers were installed in ten geotechnical borings along the proposed cutoff alignment. The purpose of these piezometers is to study groundwater flow up-slope of mine waste piles. There were also two piezometers installed in each of the Greenback and RAM waste piles. At each waste pile, one piezometer was screened in mine waste, and the other was screened in underlying native soil.

Piezometer construction diagrams are shown on their respective boring logs in Appendix B. Table 2-1 lists piezometers and their pertinent data.

Table 2-1 - Piezometer Installation Data

Piezometer Designation	Top of Pipe Elevation (ft-msl)	Bottom of Screen Elevation (ft-msl)	Screen Length (ft)	Pipe Diameter (I.D.) (in)	Initial Water Elevation (ft-msl)	Material Screened In
GT-2	10639.42	10608.71	10	2		Glacial Till
GT-3	10649.86	10599.28	10	2		Glacial Till
GT-7	10649.38	10597.34	10	2	Dry	Glacial Till
GT-10	10678.77	10637.82	10	2	Dry	Glacial Till
GT-11	10668.09	10642.84	10	2	Dry	Glacial Till
GT-12	10682.69	10623.01	10	2	Dry	Glacial Till
GT-14	10671.84	10626.83	10	2	Dry	Glacial Till
GT-16	10715.54	10667.69	10	2	Dry	Decomposed Tuff
GT-17	10716.17	10621.30	20	1	Dry	Welded Tuff
GT-18	10708.34	10678.69	10	2	Dry	Weathered Tuff
GB-2 (Soil)	10613.17	10576.57	5	2	10584.44	Glacial Till[1] (Assumed)
GB-2 (Mine Waste)	10613.31	10586.47	5	2	10586.81	Mine Waste
RB-2 (Soil)	10654.24	10607.94	5	2	Dry	Glacial Till[1] (Assumed)
RB-2 (Mine Waste)	10654.70	10608.40	5	2	Dry	Mine Waste

[1]GB-2 and RB-2 were drilled through the mine waste piles using auger/SPT drilling until native soil was encountered. Piezometers GB-2 (Soil) and RB-2 (Soil) were located three feet away from the SPT borings and screened below the contact with mine waste and native soil.

2.2.4 Piezometer Falling Head Tests

Falling head tests were performed on the ten piezometers along the proposed groundwater cutoff alignment. The purpose of falling head tests was to determine soil permeability surrounding the screened section. The falling head test procedure was as follows:

- determine sounded depth of each piezometer;
- determine initial water level;
- add enough water to bring the water level at least three feet above bottom of screen;
- take an initial reading;
- take subsequent readings at 30 seconds, 1 minute, 2 minutes, 3 minutes, 4 minutes, 5 minutes, 10 minutes, 15 minutes, 30 minutes, 1 hour, 2 hours, 4 hours, 6 hours, 8 hours, and a final reading between 24 and 32 hours; and

- if necessary, bail out remaining water above the initial water level.

Data collected and test remarks for each piezometer are available in Appendix E. A graphical representation of the data is also provided in Appendix E.

The permeability was calculated using a method in Chapter 17 of the U.S Bureau of Reclamation's Groundwater Manual under the heading "Falling Head Tests - Tests Above the Water Table," page 164. A sample calculation is shown in Appendix E. Calculated permeabilities are summarized in Table 2-2.

Table 2-2 - Falling Head Test Permeabilites

Piezometer Designation	Permeability (cm/sec[1])			Material
	Range		Average	
	Low	High		
GT-2	2.4E-05	3.7E-05	3.2E-05	Clayey Sand (SC)
GT-3	8.3E-05	1.9E-04	1.1E-04	Silty Sand (SM)
GT-7	6.2E-06	8.6E-05	2.2E-05	Sandy Silt (ML)
GT-10	2.5E-06	3.9E-05	1.1E-05	Elastic Silt (MH)
GT-11	1.8E-07	2.0E-05	4.3E-06	Sandy Lean Clay (CL)
GT-12	2.5E-07	6.5E-06	1.6E-06	Lean Clay
GT-14	1.0E-06	3.5E-05	7.6E-06	Clayey Sand (SC)
GT-16	2.7E-07	2.5E-05	5.3E-06	Silty Sand (SM)
GT-18	1.2E-07	6.4E-06	1.3E-06	Clayey Gravel with Sand (GC)

[1] centimeter per second

Permeability for GT-17 was unable to be determined. Two tests were attempted, but the water level dropped very quickly in both cases. There was not enough data to establish a reliable value. GT-17 is screened in a highly fractured welded tuff.

2.3 Field Survey Activities

An aerial topographic survey was completed by King Surveyors, Inc. of Windsor, CO (King) on October 2, 2012 as part of the DER. Aerial photography was collected and processed to develop a topographic contour map that will be used during the RD. In addition, King surveyed surface locations established during surface resistivity and ReMi surveys, and piezometer and soil boring locations.

3.0 ANALYTICAL RESULTS

3.1 Environmental Analyses

Surface and subsurface soil samples and QC samples (field duplicates, matrix spike/matrix spike duplicates, and water QC samples (field blanks and equipment (rinsate) blanks) were all placed in a cooler with ice, kept at temperatures below four degrees Celsius, and shipped under proper chain-of-custody. Samples were analyzed through the Contract Laboratory Program (CLP) and by TestAmerica in Arvada, Colorado.

3.1.1 Contract Laboratory Program

Soil samples were collected and analyzed through the CLP for TAL metals (aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, silver, sodium, thallium, vanadium and zinc) by inductively coupled plasma-atomic emission spectrometry (ICP-AES). In addition, samples were analyzed for mercury and cyanide by cold vapor atomic absorption and spectrophotometry, respectively. Gold was also analyzed by ICP-AES.

Samples were shipped by the use of Scribe, which is a software tool EPA developed for managing environmental data and preparing chain-of-custody paperwork, to Bonner Analytical Testing (Bonner). During the period in which Bonner was performing the analyses, they failed a performance evaluation check, which are routinely conducted by the CLP. As a result, the CLP required Bonner to cease analyses and ship unanalyzed samples to Spectrum Analytical Inc. (Spectrum) for remaining analyses. According to correspondence with the CLP, data provided by Bonner was usable, subject to routine data validation. Identical analyses were completed by both laboratories on some samples. In these cases, the data from Spectrum was used.

Analytical data provided by the CLP laboratories (including QC sample results) is provided in Appendix F.

3.1.2 TestAmerica

Soil samples were analyzed by TestAmerica in Arvada, Colorado for acidity and sulfides. Acidity was analyzed by Standard Method 2310B, and sulfide by SW-846 Method 9034. The sulfide results received were nearly all non-detect, likely due to the inability of the extraction method to dissolve iron sulfide (pyrite). To provide quantitative information on sulfur content of mine waste that could be used to infer ARD generation, the project team elected to have collected samples analyzed by TestAmerica for sulfur using Method SW-846 6010B.

The gold detection limits provided by the CLP laboratory were found to be too high to provide a meaningful estimate of the gold content in mine waste. For this reason, the project team directed

TestAmerica to analyze selected subsurface samples (from the Old and New Mikado Piles) for gold using Method SW8-46 6020A. Subsurface samples were selected for this additional analysis with low detection limits to provide a vertical profile of gold content in mine waste rock.

The analytical data reports provided by TestAmerica (including QC sample results) are provided in Appendix F.

3.2 Geotechnical Testing

Samples collected during mine waste pile drilling and along the proposed groundwater interceptor alignment were collected for geotechnical testing. Table 3-1, *Geotechnical Testing* presents a summary of the type and number of laboratory tests completed.

Table 3-1–Geotechnical Testing

Test	Mine Waste	Groundwater Interceptor Alignment
Atterberg Limits (ASTM D 4318)	15	35
Grain Size (ASTM D 422/ASTM D 1140)	11	21
Moisture Content (ASTM D2216)	0	17
Density (ASTM D1557)	6	12
Shear Strength (ASTM D4767-11)	3	0
Flexible Wall Permeability (ASTM D5084 – 10)	0	3

The results of laboratory testing are presented in Appendix F.

4.0 DATA VALIDATION

Review of CLP and TestAmerica data indicate they are of suitable quality for decision-making purposes with several exceptions. A number of CLP samples were rejected due to quality control issues. This includes five chromium results, two nickel results, three selenium results, 29 cyanide results, and 24 gold results, for a total of 63 results, that were qualified as rejected. A number of results appear to exceed the sensitivity requirements due to laboratory sample dilution. This created issues with the detection limits and matrix effects as well. The RPD on lead was extremely high, as well as several other compounds. Comparison of the gold results between the CLP and the TestAmerica data indicates the elevated detection limits masked the detection of gold at the lower concentrations. This is primarily due to dilution of the samples. Due to quality control issues, the gold results are not discussed in this report.

Refer to the Data Usability Report in Appendix G for a full evaluation of the data.

5.0 S UMMARY OF FINDINGS

5.1 Mine Waste Geochemistry

5.1.1 Contaminants of Concern

The 2010 ROD Amendment recognizes OU6 contaminants of concern (COC) by receptor. . The COCs with regard to human health are lead and arsenic. COCs with regard to aquatic life are aluminum, zinc, cadmium and copper. COCs with regard to terrestrial life are arsenic, antimony, barium, beryllium, cadmium, chromium, copper, lead, nickel, manganese, mercury, silver, thallium and zinc. In several cases, the chemical or chemicals posing the greatest potential threat were identified (EPA, 2010b).

Human Health:

Lead and arsenic are identified as the COCs. Lead levels tend to correlate with high arsenic levels at the site. For this reason, lead is used at the main indicator of the level of risk to humans.

A recreational action level of 16,000 mg/Kg was set for lead in the 2003 ROD for OU6 (EPA, 2003). The mean lead concentration was used as the exposure point concentration (EPC) in the 2003 ROD. This was mentioned in the 2010 ROD Amendment (EPA, 2010b):

"The Baseline Human Health Risk Assessment for the California Gulch Superfund Site (Weston 1996a and Weston 1996b), was started in 1995 and completed in 1996 and included an evaluation of recreational exposures to wastes present in OU6. Recreational use is the current and anticipated predominant future use for this area of the Site. Based on the Baseline Human Health Risk Assessment, the 2003 ROD concluded that average lead levels in 0U6 were below the Recreational Action Level of 16,000 mg/kg. Therefore, recreationalists who visit the mining district on the east side of Leadville are not exposed to an unacceptable level of lead and are not expected to experience adverse health effects" (EPA, 2010b).

Therefore, the mean is used as the EPC in this report.

Aquatic Receptors:

Aluminum, zinc, cadmium and copper were identified as aquatic COCs. However, zinc and cadmium were identified as posing the greatest risk.

Terrestrial Receptors:

COCs with regard to terrestrial life are arsenic, antimony, barium, beryllium, cadmium, chromium, copper, lead, nickel, manganese, mercury, silver, thallium and zinc.

The purpose of the amended remedy for OU6 is to minimize the impacts of mine wastes on surface water and groundwater and to minimize the potential for direct human exposures to

contaminants in soils and waste rock above a level of concern. For this reason, the presentation of site geochemistry focuses on distribution of primary COCs including cadmium, lead and zinc. In addition, both total acidity and total sulfur (as an indicator of potential acidity) are discussed as acidity drives the dissolution of COCs into surface and ground water.

5.1.2 Data Reduction

Mine waste chemical data were screened to exclude all QC samples and data flagged as rejected by the CLP laboratory or through validation of data generated by Test America (refer to Data Usability Report provided in Appendix G). Summary statistics of retained data (see Tables 5-1 and 5-2) incorporated one-half of the detection limit when a sample result was flagged as "U" (not detected). Tables 5-1and 5-2 summarize surface composite and subsurface discrete sample analytical results, respectively.

Table 5-1 - Mine Waste Pile Surface Sample Chemistry Summary Statistics (mg/Kg)

Analyte	Greenback			RAM			New Mikado			Old Mikado		
	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
Acidity	4	4,000	1,278	4	11,000	1,765	4	4,600	1,976	190	12,000	7,211
Aluminum	1,580	49,600	8,136	764	22,200	6,031	1,460	5,630	3,787	701	6,980	2,552
Antimony	25	33	27	1.00	8.80	4.92	1.60	36	9.00	4.60	11	7.18
Arsenic	10.70	892	191	10.70	233	106	80	784	288	61	512	282
Barium	83	2,860	283	45	832	236	25	1,220	222	16	219	107
Beryllium	1.05	1.40	1.13	1.05	1.25	1.13	0.06	0.71	0.29	0.19	2.10	0.51
Cadmium	2.20	326	71	3.30	369	52	3.70	72	42	1.10	63	17
Calcium	2,190	89,100	31,489	514	62,000	14,845	240	92,500	20,062	898	7,120	3,394
Chromium	2.05	30	5.93	2.15	7.50	4.01	0.55	13	4.26	0.39	6.90	2.47
Cobalt	10.35	13.80	11.29	0.53	12.50	9.20	0.09	23.70	11.09	0.22	11.75	4.47
Copper	29	813	287	29	935	198	74	939	371	27	1,260	288
Cyanide	0.26	0.35	0.29	0.27	0.32	0.28	0.13	0.54	0.24	0.12	0.58	0.45
Gold	21	28	23	21	25	23	22	24	23	1.30	23	15
Iron	23,700	213,000	100,574	13,900	117,000	55,295	40,600	184,000	116,170	64,200	374,000	216,650
Lead	174	23,900	7,504	282	78,000	14,542	1,780	32,800	13,585	1,410	18,200	9,514
Magnesium	1,180	39,300	11,094	540	21,300	4,780	74	39,400	5,929	27	2,560	827
Manganese	311	26,800	6,099	237	18,500	4,912	115	19,600	4,224	21	8,100	1,567
Mercury	0.06	1.50	0.51	0.06	0.79	0.38	0.09	1.60	0.71	0.12	0.42	0.27
Nickel	0.31	34.40	7.64	1.00	18.80	5.57	0.57	57.90	11.15	0.85	5.10	2.95
Potassium	2,070	7,620	2,684	1,075	3,070	1,427	1,125	3,910	2,567	538	4,640	2,404
Selenium	7.25	24	9.43	7.50	8.75	7.94	3.00	8.30	6.29	2.70	8.20	4.61
Silver	5.30	111	44	1.30	224	55	22	179	70	23	223	136
Sodium	1,035	1,380	1,129	1,075	1,250	1,136	51	1,185	426	63	1,075	332
Sulphur	680	240,000	57,488	1,600	77,000	21,619	2,500	97,000	44,270	6,200	360,000	156,525
Thallium	0.68	10.90	5.15	0.49	12.00	3.54	2.40	11.80	8.21	0.95	11.70	5.39
Vanadium	6.50	53	15.15	2.80	44	19.14	2.55	526	66	1.90	81	27
Zinc	421	49,300	10,722	537	61,200	8,173	729	13,800	7,437	199	10,200	2,909

NOTE: Results marked with the "U" qualifier in the dataset were substituted with ½ their detection limit.

Table 5-2 - Mine Waste Pile Subsurface Sample Chemistry Summary Statistics (mg/Kg)

	Greenback			RAM			New Mikado			Old Mikado		
Analyte	**Min**	**Max**	**Mean**	**Min**	**Max**	**Mean**	**Min**	**Max**	**Mean**	**Min**	**Max**	**Mean**
Acidity	4	5,600	3,221	4	4,300	1,391	830	30,000	10,891	4	16,000	3,709
Aluminum	1,270	15,400	5,494	662	16,600	5,480	1,070	10,700	4,181	2,180	16,700	7,977
Antimony	1.2	12.4	6.6	4.7	6.2	5.58	0.26	14.6	5.24	5.3	9.6	7.01
Arsenic	6.4	672	178	6.2	423	235	6.3	365	130	4.4	244	81
Barium	1.9	149	79	2.8	158	78	10	642	200	22	731	201
Beryllium	0.14	1.3	0.48	0.2	0.8	0.34	0.14	2.5	0.92	0.1	0.86	0.43
Cadmium	15	242	69	1.4	167	64	1.2	1540	219	1.8	142	28
Calcium	6,950	156,000	44,730	1,860	24,500	10,630	212	60,800	13,658	266	47,500	18,154
Chromium	0.44	7.6	3.4	0.5	8.5	4	0.9	13.3	4.13	0.12	16.1	5.67
Cobalt	0.67	15.3	5.27	0.24	7	3.19	1.2	25	8.74	0.72	12.5	4.4
Copper	13	2,830	626	16	952	372	14	1,420	297	36	1,850	481
Cyanide	0.55	0.61	0.58	0.13	0.59	0.48	0.15	0.6	0.46	0.56	0.61	0.59
Gold	REJECTED	REJECTED	REJECTED	3.9	5	4.49	0.03	0.99	0.28	0.03	1.7	0.4
Iron	19,600	329,000	112,420	18,700	319,000	134,320	16,900	188,000	69,963	19,900	310,000	121,171
Lead	65	33,100	9,733	59	50,800	19,692	11	14,700	2,540	35	17,900	5,061
Magnesium	1,160	89,600	20,038	104	6,780	2,751	688	21,600	5,265	193	22,700	6,926
Manganese	848	15,800	4,446	135	23,100	6,494	9.7	11,600	3,894	197	23,800	5,372
Mercury	0.03	0.37	0.24	0.02	2.4	0.85	0.01	0.64	0.31	0.01	0.57	0.19
Nickel	0.38	12.7	5.9	2.1	7.3	5.54	1.9	34.2	11.43	1.1	17.8	6.99
Potassium	831	4,220	2,005	1,510	2,560	1,896	779	4,400	1,779	1,410	5,060	2,706
Selenium	1.55	10.1	4.89	2.8	5.4	3.66	3.9	8.6	6.39	1.6	13.4	5.41
Silver	3.3	230	70	1	340	121	2.2	166	31	1	169	49
Sodium	17	292	131	197	258	232	58	1,225	605	28	292	127
Sulphur	1,700	350,000	81,100	310	360,000	140,262	1,500	270,000	48,275	470	260,000	68,467
Thallium	2.2	20	6.96	0.84	28	9.85	4.1	12.5	9.94	1.1	29	8.3
Vanadium	2.2	26	9.94	2.15	20	9.95	2.1	31	11.78	3.1	297	91
Zinc	2,410	33,600	11,236	298	25,300	9,724	346	242,000	33,809	314	38,600	7,253

NOTE: Results marked with the "U" qualifier in the dataset were substituted with ½ their detection limit.

5.1.3 Distribution of COCs and Acidity by Waste Pile

The general ranking of COC concentrations by waste pile is based on surface composite sample results summarized in Table 5-1. Although subsurface sample data were collected, the small sample size per pile renders these data most useful for assessing vertical concentration trends discussed in Section 5.1.4.

A review of Table 5-1 reveals that zinc and cadmium occurs in similar proportions across all piles. However, mean concentrations range over a factor of four with the highest occurring in samples from the Greenback waste pile, followed by RAM, New Mikado and Old Mikado.

Total acidity is highest in the Old Mikado waste pile. However, this pile contained the lowest mean concentrations of cadmium and zinc. Generally, there is an inverse relationship between acidity and cadmium/zinc concentrations. This suggests that there is not one or more specific waste piles that account for the majority of ARD generated at OU6, based on waste chemistry.

Mean lead concentrations were highest in the RAM followed by the New Mikado, Old Mikado and Greenback. Given that lead is of concern to human health, the mean lead concentration was examined for those piles closest to the Mineral Belt Trail as well as averaged across all waste piles and compared with the 16,000 mg/Kg action level. Only the surface composite sample results were considered, given that human exposure to subsurface mine waste is unlikely.

Waste piles proximal to the Mineral Belt Trail include the RAM and Greenback and likely receive more human visitation than the Mikado piles. The mean surface sample lead concentration for these waste piles is 14,542 mg/Kg and 7,504 mg/Kg, respectively. The mean lead concentration of all mine waste surface samples collected from the Old and New Mikado, Greenback and RAM is 11,378 mg/Kg.

These values are less than the recreational action level cited in the 2003 ROD (EPA, 2003).

5.1.4 Distribution of COCs within Individual Waste Piles

Figures 5-1 through 5-4 illustrate the spatial distribution of COCs (as well as acidity) concentrations across mine wastes in OU6. The vertical and horizontal distribution is discussed below, by chemical.

<u>Cadmium</u>

Figure 5-1 illustrates the distribution of cadmium in surface and subsurface samples.

Cadmium concentrations vary by one to two orders of magnitude across individual waste pile surface samples. Cadmium concentrations in the Mikado Waste Piles exhibit lower variability (factor of ten) than the other piles. It is likely that in some cases, mine waste is mixed with native materials near the pile margins possibly accounting for many of the lower concentration

values seen across OU6. In addition, some of the hot spots measured in the Greenback and RAM piles may be associated with seeps resulting in the concentration of COCs through evaporation and localized precipitation of cadmium compounds.

Vertical variability within individual waste piles does not exhibit any obvious pattern and concentration ranges are similar to those measured in surface samples with the exception of the New Mikado waste pile. A sample from this pile at a depth of 30 ft contained cadmium at a concentration of 1,540 mg/Kg, which is more than 20 times higher than any other sample collected from this waste pile.

Zinc

Figure 5-2 illustrates the distribution of zinc in surface and subsurface samples. As discussed in Section 5.1.3, zinc and cadmium occur in roughly similar proportions across all samples. Therefore, both the horizontal and vertical variability of zinc mimics that of cadmium.

Lead

Figure 5-3 illustrates the distribution of lead in surface and subsurface samples. Horizontal variability is similar to the other COCs, roughly by one to two orders of magnitude (depending on the waste pile). Lead concentrations in the Mikado Waste Piles exhibit lower variability (factor of ten) than the other piles.

Although the subsurface sample set for each waste pile is small (making trend recognition problematic) a vertical concentration trend is apparent in several boreholes. Samples from one or more boreholes in the each waste pile exhibit a declining concentration trend with increasing depth. However, since lead is primarily of concern with respect to direct contact with human receptors, its occurrence in subsurface samples is not of great importance.

Acidity

Both total acidity and total sulfur were included as analytical parameters to provide an indicator of the acid-generating potential of each waste pile. Total acidity measures the quantity of base needed to neutralize the aqueous extract from the sample preparation. Sulfur was considered as a surrogate for total sulfide that can weather to produce sulfuric acid. A review of Table 5-1 and 5-2 reveals that the relative magnitude of mean sulfur and total acidity analytical results by waste pile generally do not positively correlate. This is likely due to the presence of forms of sulfur that do not contribute to acid generating potential or a function of mine waste particle size, or both. Therefore, the acid-generating potential of mine waste is discussed based on total acidity results.

Figure 5-4 illustrates the occurrence of acidity in surface and subsurface samples. As discussed in Section 5.1.3, the Old Mikado waste pile exhibits the highest level of acidity at the surface. However, concentrations generally decline as sample depth increases. The remaining waste piles display relatively low acidity at the surface with the exception of a few “hot spots” at the RAM

Pile. Although the small subsurface data set makes trend recognition difficult, it appears that acidity generally is greater at depth in the RAM, Greenback and New Mikado waste piles than at the surface.

5.2 Geotechnical Investigation

5.2.1 Geophysics

The surface geophysical surveys (ReMi and resistivity) did not show any evidence of mine workings within the surveyed alignment. Three resistivity lines (labeled "1", "2", and "3") are contained in Appendix C. The resistivity surveys show zones of lower resistivity, but the lenticular shape of these zones implies the presence of soil zones, not a discrete mine tunnel.

ReMi lines were used primarily to develop a profile that estimates the top of rock elevations and are contained in Appendix C. Five two-dimensional profile lines (labeled "1: through "5"), do not show any consistent zones with shear wave velocities above 2,000 feet/second (fps) within the upper 50 ft of the subsurface profile. This indicates that rock is at least below depths of 50 ft. This is consistent with results of borings GT-1 through GT-15. Two-dimensional profile lines labeled "6" and "7" show zones having shear wave velocities well above 2,000 fps. These zones are most likely representative of intensely to moderately weathered tuff drilled in borings GT-16, GT-17, and GT-18.

The ReMi and resistivity results were used to develop soil profiles, which are presented in Appendix C. ReMi and resistivity results are used to develop an approximation of relative soil components, but not to determine actual soil components and permeabilities. Profiles showing the conceptual, relative amount of gravel versus clay and silt were developed using boring logs as control points to develop an approximation of the relative proportion of gravel (greater resistivity) compared to silty clay and clay (lower resistivity). Locations of resistivity lines are shown on Figure 2-4.

5.2.2 Site Geology

The site consists of glacial till and possibly glacial outwash and lacustrine deposits overlying bedrock at various depths. Bedrock (tuff) weathered to various degrees was found in GT-18, GT-17, and GT-16 at depths of 29, 22, and 13 ft. respectively. Bedrock was not encountered in any of the other borings. Boring logs providing field classification, laboratory data, and SPT N values are presented in Appendix B. Figures 5-5, 5-6, and 5-7 present the borings with soil and rock field classification symbols, laboratory results, SPT N values, piezometer screen depths, and permeabilities of the screened zones based on falling head tests. The profile view is to the west, looking down gradient. The profile shows site soils consist of a variety of primary components including low plasticity clay, low plasticity silt, gravel, sand, high plasticity clay, and high plasticity silt.

Material characteristics are very similar from GT-1 through GT-3. Within this zone, silt and clay with minimal amounts of sand and gravel are predominant. Of the six gradations performed on samples from these borings, the fines content (percent passing the No. 200 Sieve) ranged from 47 percent (%) to 88%. In addition to particle size and plasticity, the density of non-cohesive material (sands) and consistency of cohesive material (clay and some silt) is relevant in characterizing the capacity of the medium to transmit water. Cohesive soil N values in this zone (GT-1 to GT-3) range from 14 to 50/3, which is considered stiff to hard consistency. Silty sand N value in this zone is 50/6, which is considered very dense. Density/consistency descriptors are in accordance with the Reclamation Engineering Geology Field Manual (Reclamation, 2002). Calculated hydraulic conductivity at the screened interval of 16-30 ft in GT-2 in clayey silt and clayey gravel with sand is 3.2×10^{-5} centimeters per second (cm/sec). Calculated hydraulic conductivity at the screened interval of 35-50 ft in GT-3 in silty sand and silty clay with sand is 1.1×10^{-4}cm/sec. These hydraulic conductivity data suggest that, even in material such as silty sand and clayey gravel with sand that are often associated with higher hydraulic conductivity, the percent of fines and the degree of consolidation reduce effective porosity.

The zone encompassing GT-4 through GT-7 is distinctive in that there is less clay and more gravel and silt than noted in the zone from GT-1 through GT-3. Within this zone, fines content ranges from 26% in the zone tested in GT-4 to 71% in the zone tested in GT-7. The material laboratory classified as silty gravel in GT-4 and GT-6 has fines content of 26% and 36%, respectively. Silty sand at depths of 10-12 and 20-22 ft in GT-5 has fines content of 49% and 37% and is medium dense to very dense based on N values. GT-7 was predominantly silt with N values ranging from 20 to 50/5. The piezometer installed in GT-7 at depth of 33 to 52 ft (screened and sand packed interval) yielded a falling head test permeability of 2.2×10^{-5}cm/sec.

The zone from GT-9 to GT-15 is consistent in that it is primarily low plasticity clay with varying percentages of silt and sand. There are limited zones classified as clayey and silty gravels and silty sand in GT-12 (10-15 ft, silty sand, dense) , GT-10 (gravel 10-15 ft. and silt with sand and gravel 20-25 ft.) and GT-13 (sand with gravel and silt, dense, 40-45 ft., silty sand, medium dense, 35-40 ft., silty sand, medium dense, 20-25 ft.). These zones do not correlate well across borings and are considered of limited lateral extent and groundwater flow potential with the exception of the silty sand in GT-12 from 15-20 ft. and GT-13 from 20-25 ft.

Four piezometers were installed in this portion of the groundwater interceptor alignment; one in GT-10 screened at depth 25-42 ft. in clay with sand and gravel, GT-11 screened from 10-24 ft. in lean sandy clay, in GT-12 screened from 44-60 ft. in clay with trace sand and gravel, and in GT-14 screened from 31-43 ft. Falling head tests yielded permeabilities for these zones of 1.1×10^{-5}cm/sec.,4.3×10^{-6} cm/sec., 1.6×10^{-6} cm/sec., and 7.6×10^{-6} cm/sec.

The zone from GT-16 through GT-18 contains unique bedrock (tuff) that is weathered to various degrees. The tuff was encountered in GT-18, GT-17, and GT-16 at depths of 29, 22, and 13 ft.

respectively. The soil above bedrock is predominantly very dense clayey sand with the exception of a layer of sandy gravel with clay from 19-24 ft. in GT-16 and medium dense clayey and silty sand, found 0-10 ft in GT-18. Three piezometers were installed in this portion of the alignment: GT-16 which is screened in intensely weathered to decomposed tuff from 32 to 47 ft.; GT-17 which is screened in slightly to intensely weathered, moderately to intensely fractured tuff from 70 to 90 ft.; and GT-18 which is screened in intensely weathered tuff (classified as clayey gravel) from 15-29 ft. Falling head tests in these piezometers indicate relatively low permeability in the intensely weathered to decomposed tuff of 5.3×10^{-6}cm/sec in GT-16 and 1.3×10^{-6}cm/sec in GT-18.

As noted in Section 2.2.4, the water level in GT-17 dropped too rapidly to conduct a falling head test. The condition is considered representative of the rock mass permeability at the screened interval and throughout the rock mass to the bottom of boring GT-17 at a depth of 120 ft. Intensely fractured zones in the tuff are the likely cause of the high permeability.

Although the GT-17 piezometer contained no groundwater, it is possible that the intensely fractured zones could present a flow path for groundwater to enter the Old Mikado or New Mikado Piles during wet periods associated with snowmelt. The glacial till and alluvium that exists along most of the alignment from GT-1 to GT-15 was also encountered beneath the New Mikado and Old Mikado Mine Waste Piles in all four borings drilled through those piles. This low permeability glacial material will inhibit groundwater flow from the fractured rock mass into the base of mine waste piles. However, it is possible that the eastern limit of the Old Mikado pile was placed against a slope consisting of the fractured tuff. If this is the case, then there is potential to convey groundwater through the rock mass into the eastern side of the Old Mikado pile during seasonal wet periods. Therefore, the most likely location for conveyance of groundwater through the rock mass into mine waste is at the eastern limit of the Old Mikado pile.

Continued monitoring of the GT-17 piezometer will provide confirmation of whether groundwater flows through the rock mass during periods of seasonal snowmelt or continued rainfall. If groundwater is measured within GT-17, then the possibility that the Old Mikado pile receives groundwater from the rock mass exists. Should this prove to be the case, it may be necessary to evaluate seepage reduction techniques for this rock mass.

5.2.3 Mine Waste Geotechnical Conditions

Mine waste consists of a wide range of particle sizes from cobble to fine-grained material of varying plasticity. Mine waste piles are placed on glacial till consisting of low plasticity firm to stiff clay, and medium dense to dense sand and gravel.

A Greenback pile sample collected from depth of 5-7 ft was low plasticity clay (plasticity index = 18) with fines content of 51%. Samples were also collected from borings GB-1 and GB-2 at depths of 20-22 ft. These samples were classified as gravelly clay and clayey sand with fines

content of 25% and 18%. N values in the Greenback pile varied from a low of six in silty clay to a high of 53 in silty clayey gravel up to three inches in diameter. Groundwater was noted in GB-1 at a depth of 22 ft bgs.

The RAM pile samples collected in RB-1 at 5-7 ft and in RB-2 at 4-5.5 ft were classified as clayey sand with fines content of 37% and 38%. Samples collected in RB-1 and RB-2 at depths of 20-22 ft and 25-26.5 ft were classified as clayey sand with fines content of 46% and 35%, respectively. N values in the RAM pile ranged from six to 21 in soils. N values of 23 to 30 were recorded in zones containing significant rock fragments.

Laboratory tested samples from the New Mikado mine waste pile from NMB-1 at a depth of 4.5-6.5 ft, NMB-2 from 10-12 ft, and NMB-2 from 20-21 ft were classified as silty sand with 27% fines, clayey sand with 34% fines, and clayey sand with 23% fines, respectively. New Mikado borings encountered fewer rock fragments than did the Greenback and RAM pile borings. N values in the mine waste material were four to five in the upper 14 ft of NMB-1 and 17 to 14 from 14 to 20 ft. The underlying soil ranged from N values of 32 to refusal (50/5 inches). NMB-2 was drilled at an angle so blow counts were not recorded.

Samples collected from OMB-1 at 5-7 ft and OMB-2 at 5-7 ft was classified as clayey sand with 45% fines and silty sand with 26% fines. Samples from OMB-1 and OMB-2 taken from a depth of 20-22 ft were classified as gravelly silt with 37% fines and poorly graded gravel with sand and silt, respectively. N values from OMB-1 include five in the top five feet and values ranging from 26 to 36 in the bottom ten feet of the waste pile at depths of 22-32 ft. OMB-2 was drilled at a thirty-degree inclination from vertical and N values were not recorded.

5.2.4 Groundwater Conditions

Initial groundwater levels were measured as part of the falling head test evaluation discussed in Section 2.2.4. In addition, groundwater levels were measured in the mine waste piezometers. All piezometers along the proposed groundwater interceptor alignment were dry prior to the initiation of the falling head tests. Note that the 2011/12 total snow-water-equivalent was 5.5 inches, the lowest in 8 years (2003/2004 - 4.6 inches) and 2 inches lower than the 10 year average of 7.5 inches.

Piezometer GB-2 screened in mine waste had a groundwater elevation of 10,586.81 ft mean sea level (msl) on September 25, 2012. The mine waste/native soil interface at this location was encountered at 10,583.7 ft msl (See boring logs in Appendix B). Therefore, approximately three ft of saturated mine waste existed at the base of the Greenback pile in late September 2012. Water was measured in an adjacent piezometer GB-2 (soil) screened in the underlying alluvium at an elevation of 10,584.44 ft msl. This is slightly higher than the mine waste/soil interface and several feet lower than phreatic surface in the mine waste itself. Combined with geotechnical data suggesting relatively higher permeability in mine waste than in underlying alluvium (lower

percent fines and lower SPT N values) the water level data suggests that groundwater is perched to some extent on the mine waste/native soil interface. This perched water may be migrating within mine waste along the native soil slope and eventually discharge at the surface as seeps. Some vertical migration from mine waste into native soils is also expected

In September, saturated conditions existed in mine waste concurrent with dry conditions in all up-gradient boreholes advanced along the proposed groundwater cutoff alignment. This may indicate that groundwater is, in fact, perched on native soils and has a relatively long residence time within the mine waste as it migrates to the location of seeps where it discharges to surface water. This is consistent with reports of persistent seepage at the base of several waste piles long after snowmelt and spring runoff has ended (personal communication with SWC in 2012).

Given the limited permeability within alluvium and bedrock encountered along the proposed cutoff alignment, it seems likely that groundwater present in mine waste originates from infiltrating precipitation (rain or snowmelt) rather than via groundwater entering the mine waste area from locations up-gradient of the proposed cutoff alignment.

In addition to piezometers in the Greenback waste pile, one piezometer in the RAM pile (RB-2) also contained groundwater in September 2012 (at an elevation of 10,620.92 ft msl). However, the piezometer only contained 0.08 ft of water above the bottom of the 4-inch PVC screen end cap that acts as a sump. This may be water trapped in the sump and not representative of an actual groundwater elevation.

5.3 Summary of Findings and Recommendations

5.3.1 Mine Waste Geochemistry

Mine waste chemistry reveals that the aquatic COCs and acidity do not positively correlate. Rather, relatively high levels of zinc and cadmium tend to occur in association with relatively low levels of acidity. This suggests that individual mine waste piles cannot be ranked by ARD generating potential using acidity. Further complicating such ranking is the effect of hot spots influencing mean COC concentrations and the potential for dilution of mine wastes with native soils in samples collected at mine waste pile margins.

However, despite the inability to establish an obvious mine waste pile ranking based on ARD-generating potential, the RD will accommodate remedial action objectives stated in the ROD amendment by:

- Implementing capping strategies that target all mine wastes while giving consideration to public opposition to disturbing mine wastes visible from the Mineral Belt Trail.
- Excluding areas within individual waste piles that exhibit relatively low cadmium and zinc concentrations. However, such areas are expected to be limited.

The occurrence of lead, a human COC, does not track that of zinc and cadmium (similar to the situation with acidity). However, the mean concentration of lead in individual piles proximal to the Mineral Belt Trail (where the greatest human exposure might be expected) as well as across all surface samples is lower than the recreational land use action level of 16,000 mg/Kg.

5.3.2 Geotechnical

Soils in the area of the proposed groundwater interceptor are comprised of variable proportions of clay, silt, sand, and gravels. Of greatest importance is that soil samples contain an appreciable amount of fines and are medium dense to very dense (sands) and stiff to hard (clays). Only five samples contain less than 20% fines. Table 5-3 presents these five examples, their classification, fines content, and corresponding SPT N value.

Table 5-3 – Samples Containing Less Than 20% Fines

SAMPLE	Classification	% Passing No. 200 Sieve	N value	Relative Density/Consistency
GT-12, 15-17 ft.	Clayey sand	17	30	Dense
GT-16, 9-11 ft.	Silty gravel	16	43	N/A
GT-16, 19-21 ft.	Gravelly silt	12	66	N/A
GT-18, 23-25 ft.	Clayey gravel w/sand	16	71	N/A
GT-17, 4-6 ft.	Clayey sand	18	41	Dense

These five areas present the highest potential to convey groundwater to the base of mine waste piles. However, due to high relative density it is not likely that significant effective porosity exists. It is reasonable to assume that consolidation due to glacial loading is responsible for high N values due to the known presence of an alpine glacier covering the Site in the past and the fact that N values are consistently high across the site. In the process of consolidation due to glacial loading, pore spaced is reduced and particles are compressed in a matrix of clay to gravel sized particles. Classification of SPT samples in the field show this to be the case.

In addition, the falling head test performed in the screened interval in the clayey gravel with sand in GT-18 produced an average hydraulic conductivity of 1.3×10^{-6} as discussed in Section 5.2.2.

Therefore, based on the available laboratory, field classifications, N values, and hydraulic conductivities, it is reasonable to conclude that groundwater conveyed under the existing clean water diversion ditch from locations up-hill of mine wastes is a minor contributor to the total amount of ARD generated at OU6. In order to better define this conclusion, it would be useful to

compare water level data from piezometers installed by Sourcewater Consulting, LLC (SourceWater). These include PMW-2, PMW-3, PMW-4, PMW-5, PMW-6, and OMIK-1 as shown on Figure 2 of the "Draft California Gulch CERCLA Site Operable Unit 6 Strayhorse Gulch Catchment System" (SWC, 2010) prepared by SourceWater.

Also shown on Figure 2 of the SourceWater report is the historic mining water diversion system (SWC, 2010). Elements of this system were observed by HDR during the field investigation. The size and probable shallow depth (3 inch diameter pipes within two feet of the surface) as observed during field reconnaissance makes detection by resistivity surveys less probable than a large mine adit. The possibility of existing water conveyance pipes from this abandoned system conveying water to beneath mine waste piles does exist. This system should be properly abandoned so that possible contribution to water entering the mine waste piles is eliminated.

6.0 REFERENCES

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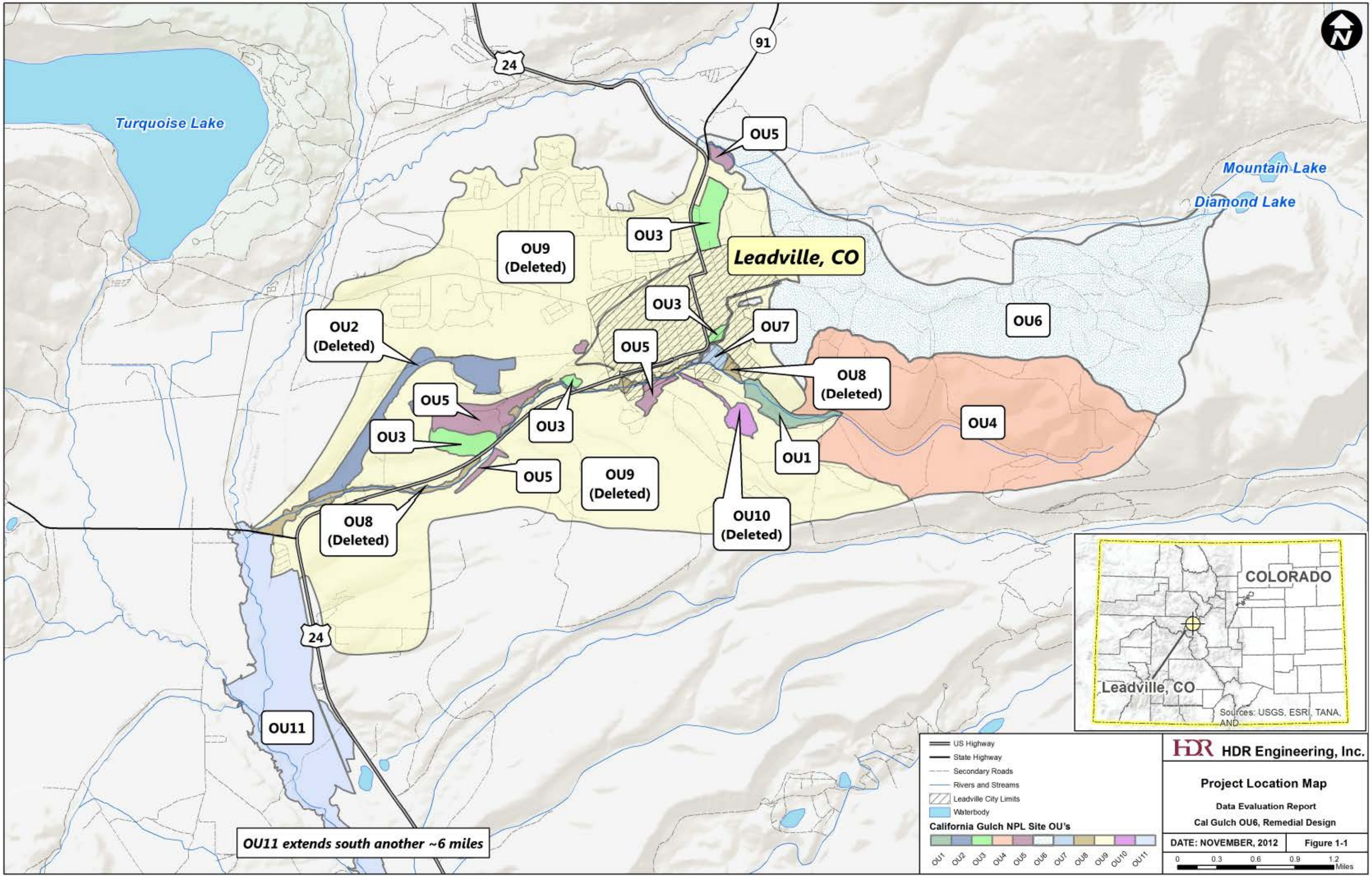
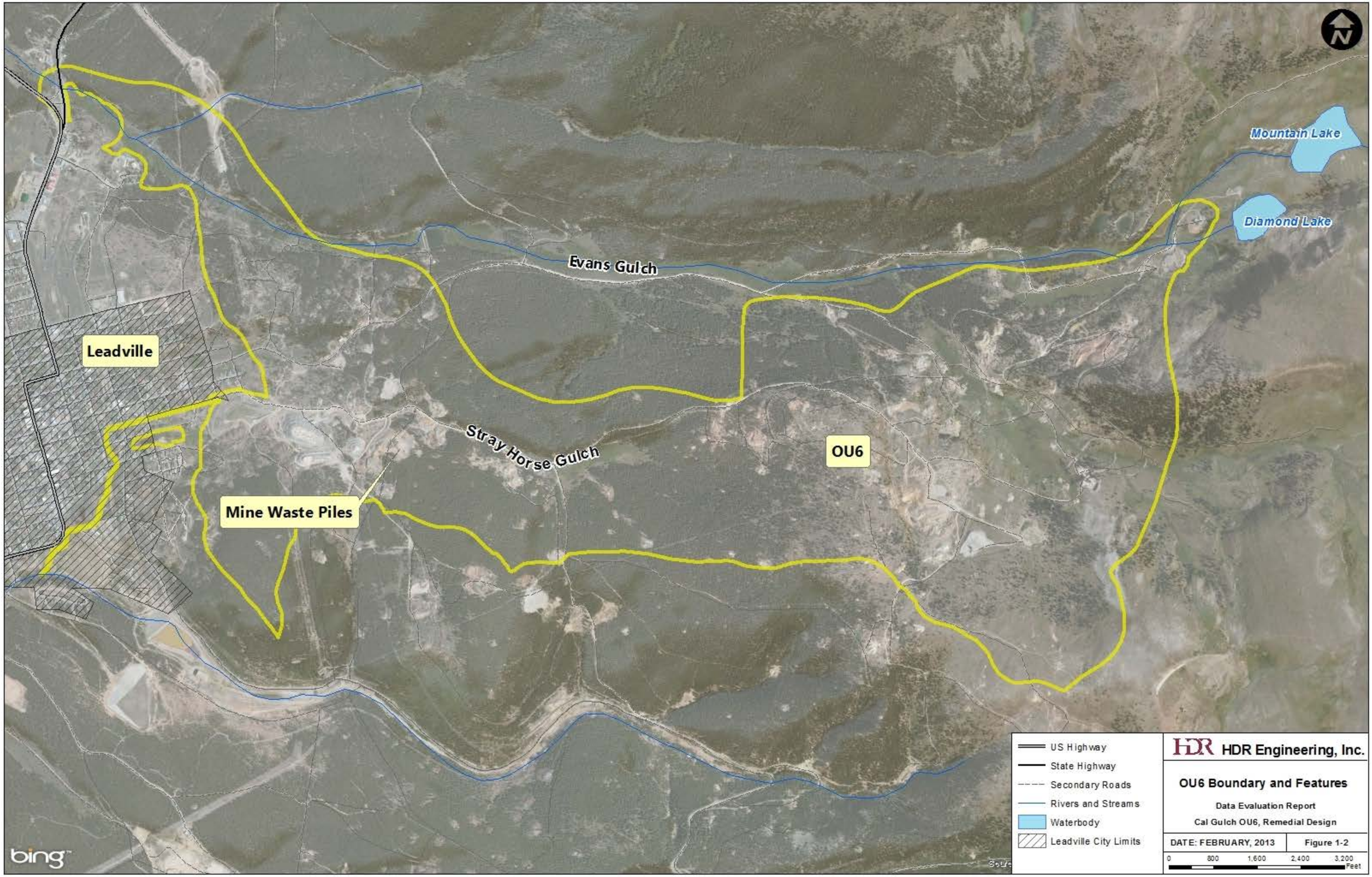
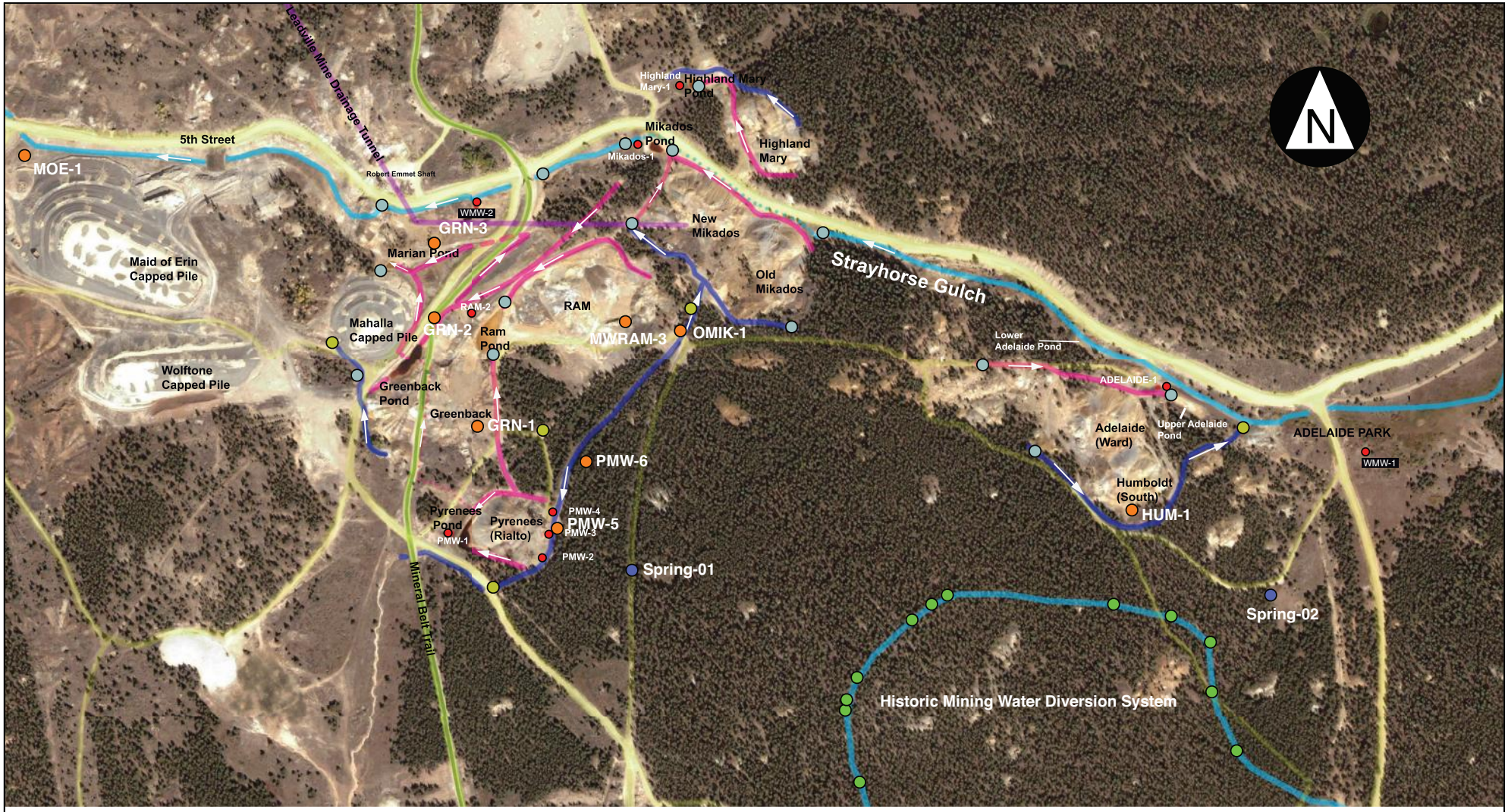
Weston,1996b. *Baseline Human Health Risk Assessment, California Gulch Superfund Site, Leadville, Colorado, Part B - Risks to Residents from Contaminants other than Lead*. Roy F. Weston, Inc. January 1996.

FIGURES


Turquoise Lake
24
91
OU5
Mountain Lake
Diamond Lake
OU3
Leadville, CO
OU9
(Deleted)
OU3
OU7
OU6
OU2
(Deleted)
OU5
OU8
(Deleted)
OU5
OU3
OU3
OU4
OU1
OU5
OU9
(Deleted)
OU10
(Deleted)
OU8
(Deleted)
24
OU11
OU11 extends south another ~6 miles
COLORADO
Leadville, CO
Sources: USGS, ESRI, TANA, AND
US Highway
State Highway
Secondary Roads
Rivers and Streams
Leadville City Limits
Waterbody
California Gulch NPL Site OU's
OU1
OU2
OU3
OU4
OU5
OU6
OU7
OU8
OU9
OU10
OU11
HDR Engineering, Inc.
Project Location Map
Data Evaluation Report
Cal Gulch OU6, Remedial Design
DATE: NOVEMBER, 2012
Figure 1-1
0
0.3
0.6
0.9
1.2
Miles


Mountain Lake
Diamond Lake
Evans Gulch
Leadville
Stray Horse Gulch
OU6
Mine Waste Piles
bing
US Highway
State Highway
Secondary Roads
Rivers and Streams
Waterbody
Leadville City Limits
HDR Engineering, Inc.
OU6 Boundary and Features
Data Evaluation Report
Cal Gulch OU6, Remedial Design
DATE: FEBRUARY, 2013
Figure 1-2
0
800
1,600
2,400
3,200
Feet

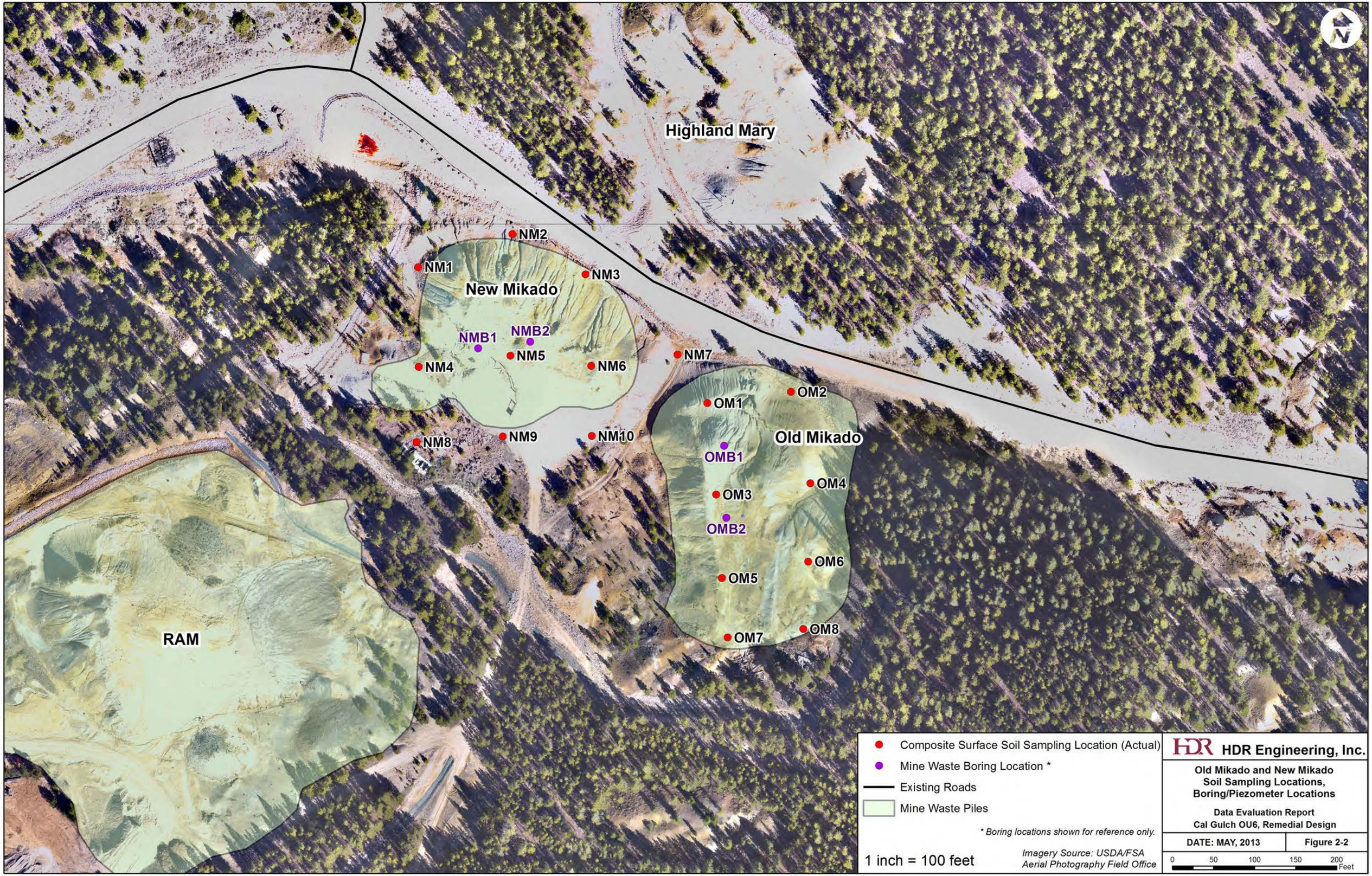


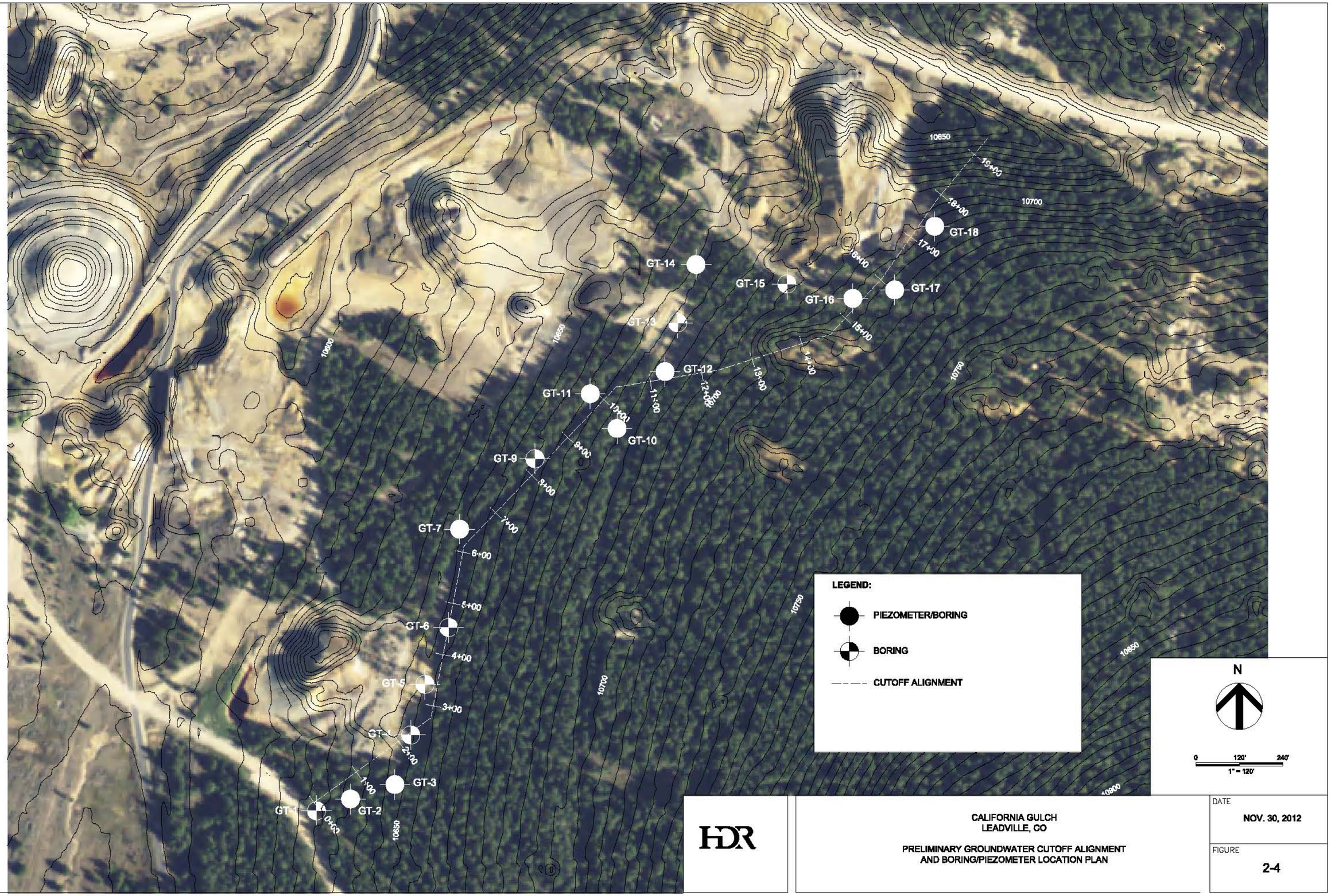
- Existing Monitoring Well (10)
- Installed Shallow Monitoring Well (9)
- Surface Water Monitoring (15)
- Weir & Recorder Installation (5)
- Existing Run-Off Collection System
- Existing Run-On Diversion System
- Mineral Belt Trail
- Existing Roads
- Underground Run-on Diversion Pipe
- Underground Run-off Diversion Pipe
- Historic Water Diversion Head Gates
- Springs

Not To Scale

OU6 Mine Waste Piles and Storm Water Diversion/Collection Structures
Figure 1-3
Data Evaluation Report, OU6 Remedial Design

R1
R2
R3
R4
R5
R6
R7
R8
R9
RB1
R10
R11
R12
RB2
R13
R14
R15
R16
RAM
R17
R18
R19
R20
R21
G1
G2
G3
G4
G5
GB1
G6
G7
G8
GB2
G9
G10
Greenback
G11
G12
G13
G14
G15
G16
G17
G18
G19
Composite Surface Soil Sample Locations (Actual)
Boring/Nested Piezometer Location
Mine Waste Boring Location *
Mine Waste Piles
* Boring locations shown for reference only
1 inch = 100 feet
Imagery Source: USDA/FSA
Aerial Photography Field Office
HDR Engineering, Inc.
Greenback and RAM Soil
Sampling Locations,
Boring/Piezometer Locations
Data Evaluation Report
Cal Gulch OU6, Remedial Design
DATE: MAY, 2013
Figure 2-1
0
50
100
150
200
Feet


Highland Mary
NM1
NM2
NM3
New Mikado
NMB1
NMB2
NM4
NM5
NM6
NM7
OM1
OM2
Old Mikado
NM8
NM9
NM10
OMB1
OM3
OM4
OMB2
OM5
OM6
OM7
OM8
RAM
Composite Surface Soil Sampling Location (Actual)
Mine Waste Boring Location *
Existing Roads
Mine Waste Piles
* Boring locations shown for reference only.
1 inch = 100 feet
Imagery Source: USDA/FSA
Aerial Photography Field Office
HDR Engineering, Inc.
Old Mikado and New Mikado
Soil Sampling Locations,
Boring/Piezometer Locations
Data Evaluation Report
Cal Gulch OU6, Remedial Design
DATE: MAY, 2013
Figure 2-2
0
50
100
150
200
Feet



HDR

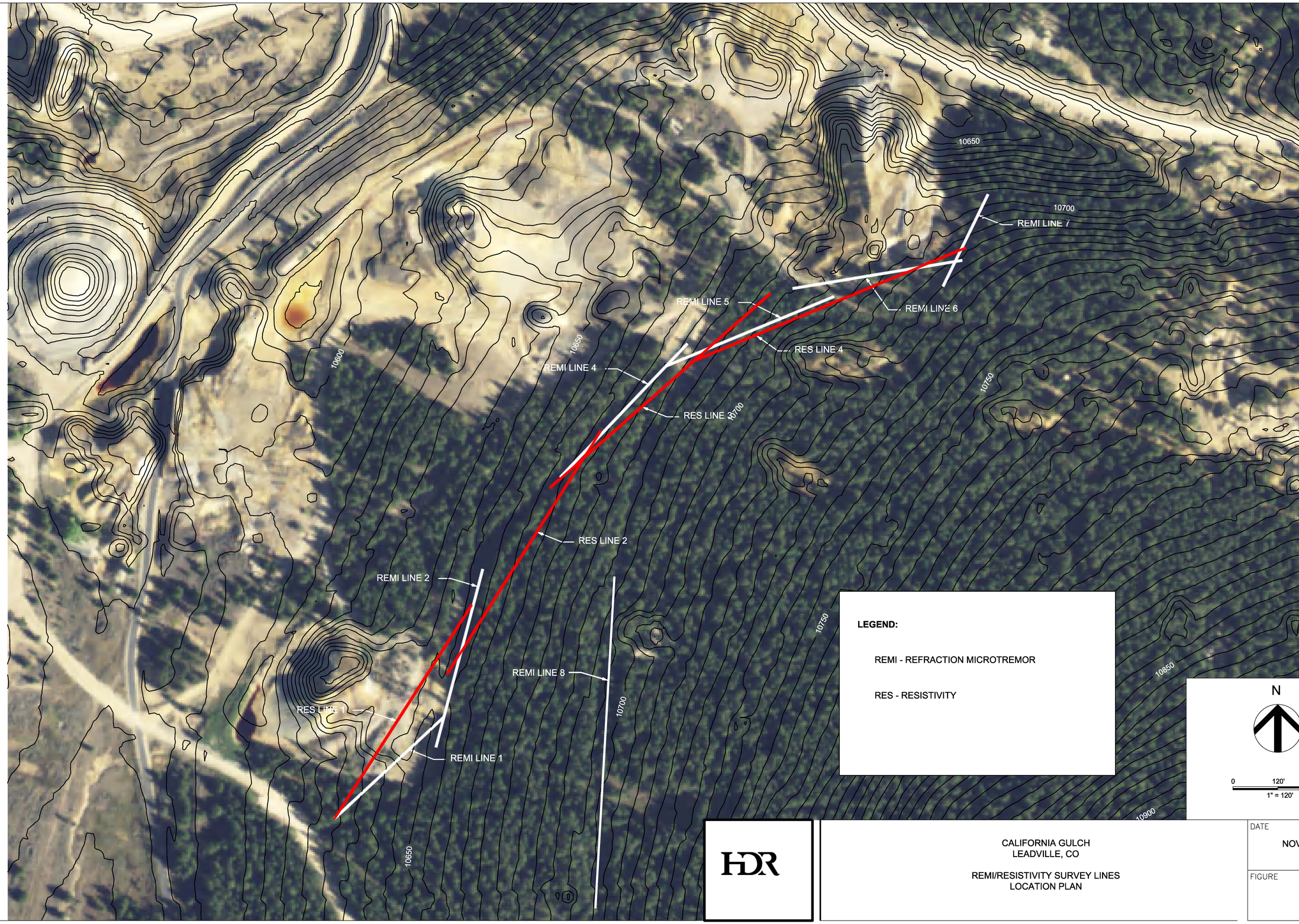
CALIFORNIA GULCH
LEADVILLE, CO

PRELIMINARY GROUNDWATER CUTOFF ALIGNMENT
AND BORING/PIEZOMETER LOCATION PLAN

DATE
NOV. 30, 2012

FIGURE
2-4

DesignFileCalGulch.dgn
DATE: 11/30/12
DRAWN BY: DJI



HDR

CALIFORNIA GULCH
LEADVILLE, CO

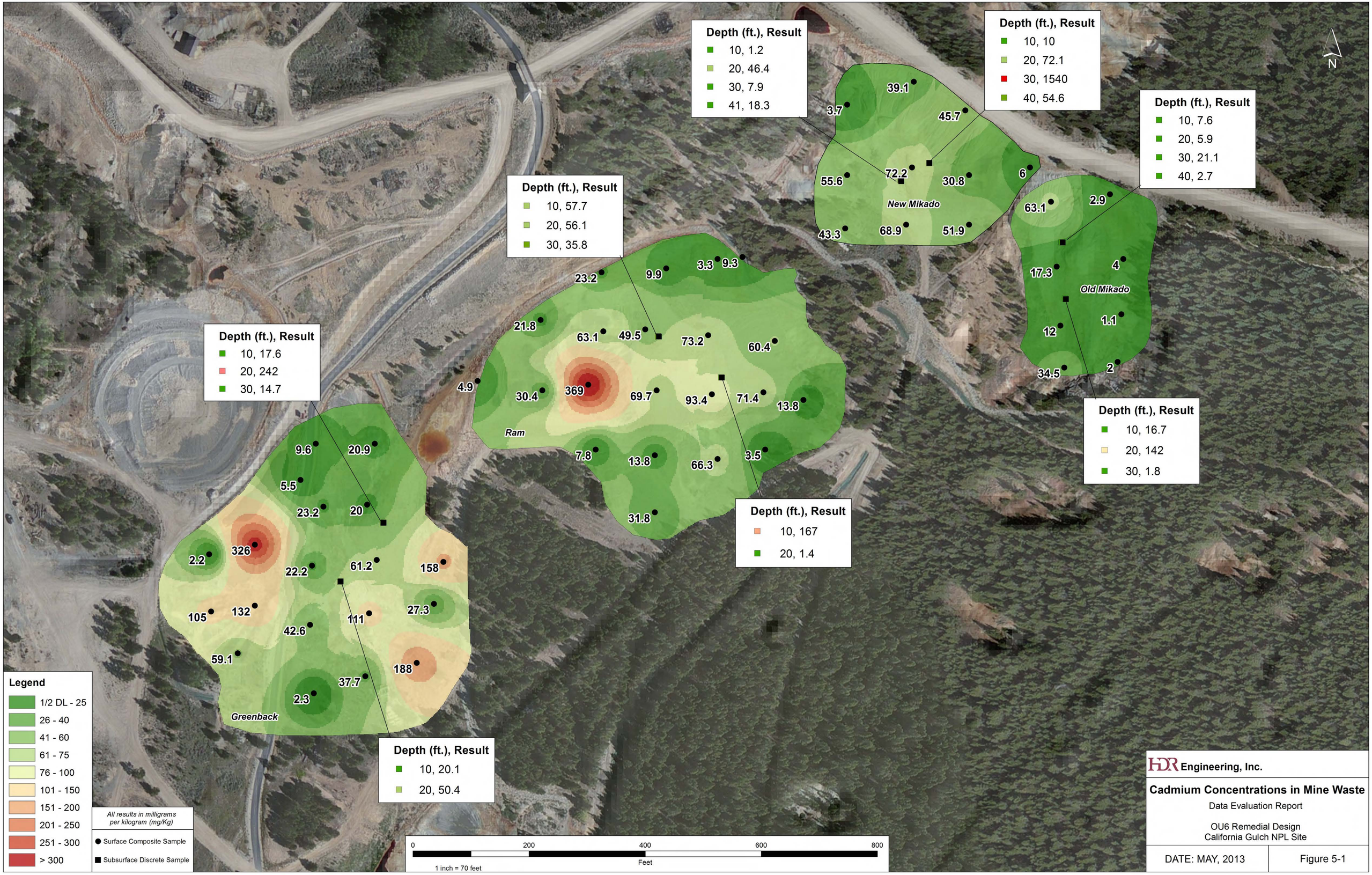
REMI/RESISTIVITY SURVEY LINES
LOCATION PLAN

DATE
NOV. 30, 2012

FIGURE
2-4

DRAWN BY: DJI

DesignFileCalGulch.dgn
DATE: 11/30/12


N
Depth (ft.), Result
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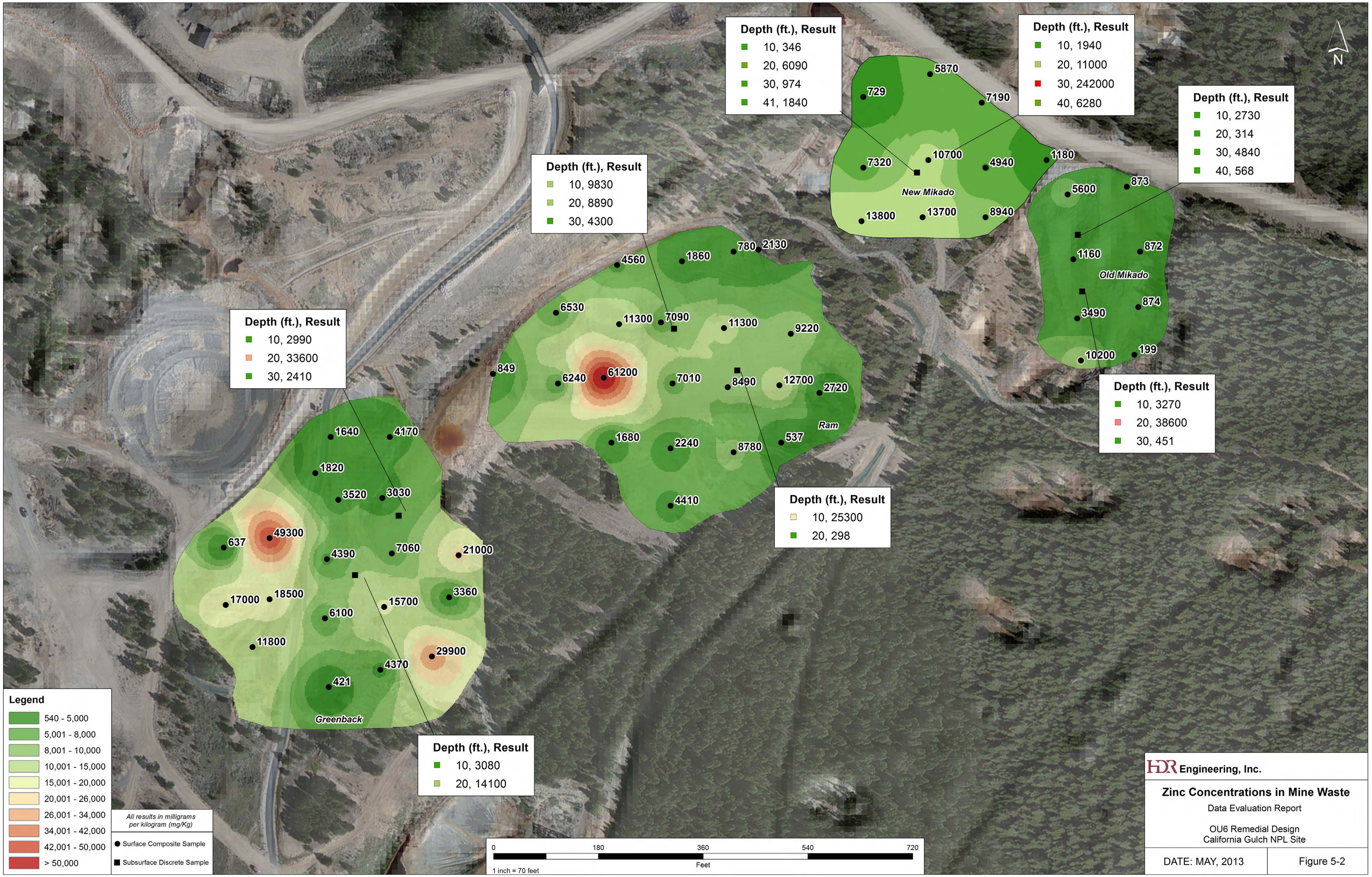
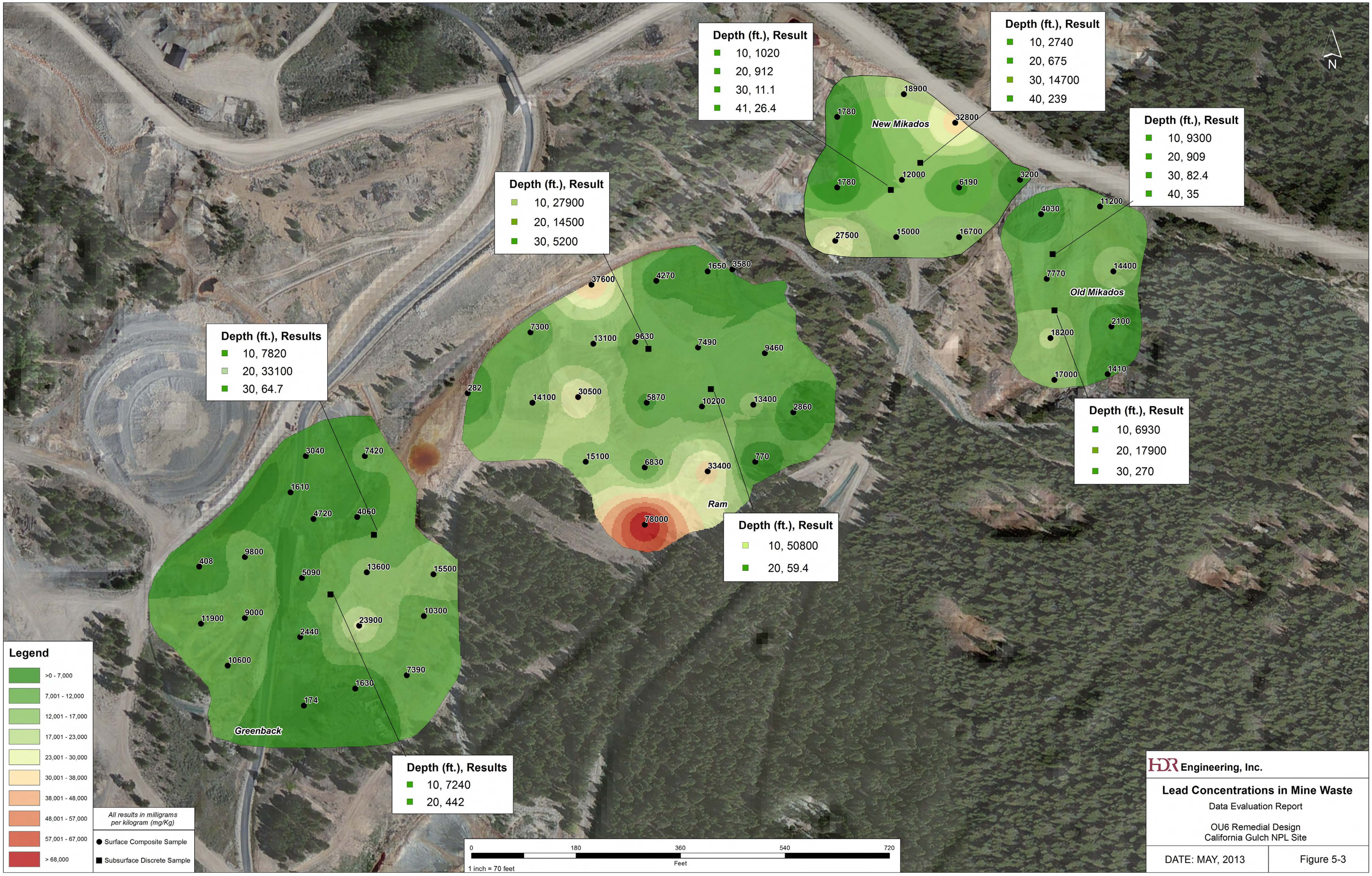
20, 46.4
30, 7.9
41, 18.3
Depth (ft.), Result
10, 10
20, 72.1
30, 1540
40, 54.6
Depth (ft.), Result
10, 7.6
20, 5.9
30, 21.1
40, 2.7
Depth (ft.), Result
10, 57.7
20, 56.1
30, 35.8
Depth (ft.), Result
10, 17.6
20, 242
30, 14.7
Depth (ft.), Result
10, 16.7
20, 142
30, 1.8
Depth (ft.), Result
10, 167
20, 1.4
Depth (ft.), Result
10, 20.1
20, 50.4
New Mikado
39.1
3.7
45.7
72.2
55.6
30.8
6
43.3
68.9
51.9
Old Mikado
63.1
2.9
17.3
4
1.1
12
34.5
2
Ram
23.2
9.9
3.3
9.3
21.8
63.1
49.5
73.2
60.4
4.9
30.4
369
69.7
93.4
71.4
13.8
7.8
13.8
66.3
3.5
31.8
Greenback
9.6
20.9
5.5
23.2
20
2.2
326
22.2
61.2
158
105
132
111
27.3
42.6
59.1
188
37.7
2.3
Legend
1/2 DL - 25
26 - 40
41 - 60
61 - 75
76 - 100
101 - 150
151 - 200
201 - 250
251 - 300
> 300
All results in milligrams per kilogram (mg/Kg)
Surface Composite Sample
Subsurface Discrete Sample
0
200
400
600
800
Feet
1 inch = 70 feet
HDR Engineering, Inc.
Cadmium Concentrations in Mine Waste
Data Evaluation Report
OU6 Remedial Design
California Gulch NPL Site
DATE: MAY, 2013
Figure 5-1


Depth (ft.), Result
10, 346
20, 6090
30, 974
41, 1840
Depth (ft.), Result
10, 1940
20, 11000
30, 242000
40, 6280
Depth (ft.), Result
10, 2730
20, 314
30, 4840
40, 568
Depth (ft.), Result
10, 9830
20, 8890
30, 4300
Depth (ft.), Result
10, 2990
20, 33600
30, 2410
Depth (ft.), Result
10, 3270
20, 38600
30, 451
Depth (ft.), Result
10, 25300
20, 298
Depth (ft.), Result
10, 3080
20, 14100
New Mikado
Old Mikado
Ram
Greenback
5870
729
7190
7320
10700
4940
1180
13800
13700
8940
5600
873
1160
872
874
3490
10200
199
4560
1860
780
2130
6530
11300
7090
11300
9220
849
6240
61200
7010
8490
12700
2720
1680
2240
8780
537
4410
1640
4170
1820
3520
3030
637
49300
4390
7060
21000
17000
18500
15700
3360
6100
11800
29900
4370
421
Legend
540 - 5,000
5,001 - 8,000
8,001 - 10,000
10,001 - 15,000
15,001 - 20,000
20,001 - 26,000
26,001 - 34,000
34,001 - 42,000
42,001 - 50,000
> 50,000
All results in milligrams per kilogram (mg/Kg)
Surface Composite Sample
Subsurface Discrete Sample
0
180
360
540
720
Feet
1 inch = 70 feet
N
HDR Engineering, Inc.
Zinc Concentrations in Mine Waste
Data Evaluation Report
OU6 Remedial Design
California Gulch NPL Site
DATE: MAY, 2013
Figure 5-2


N
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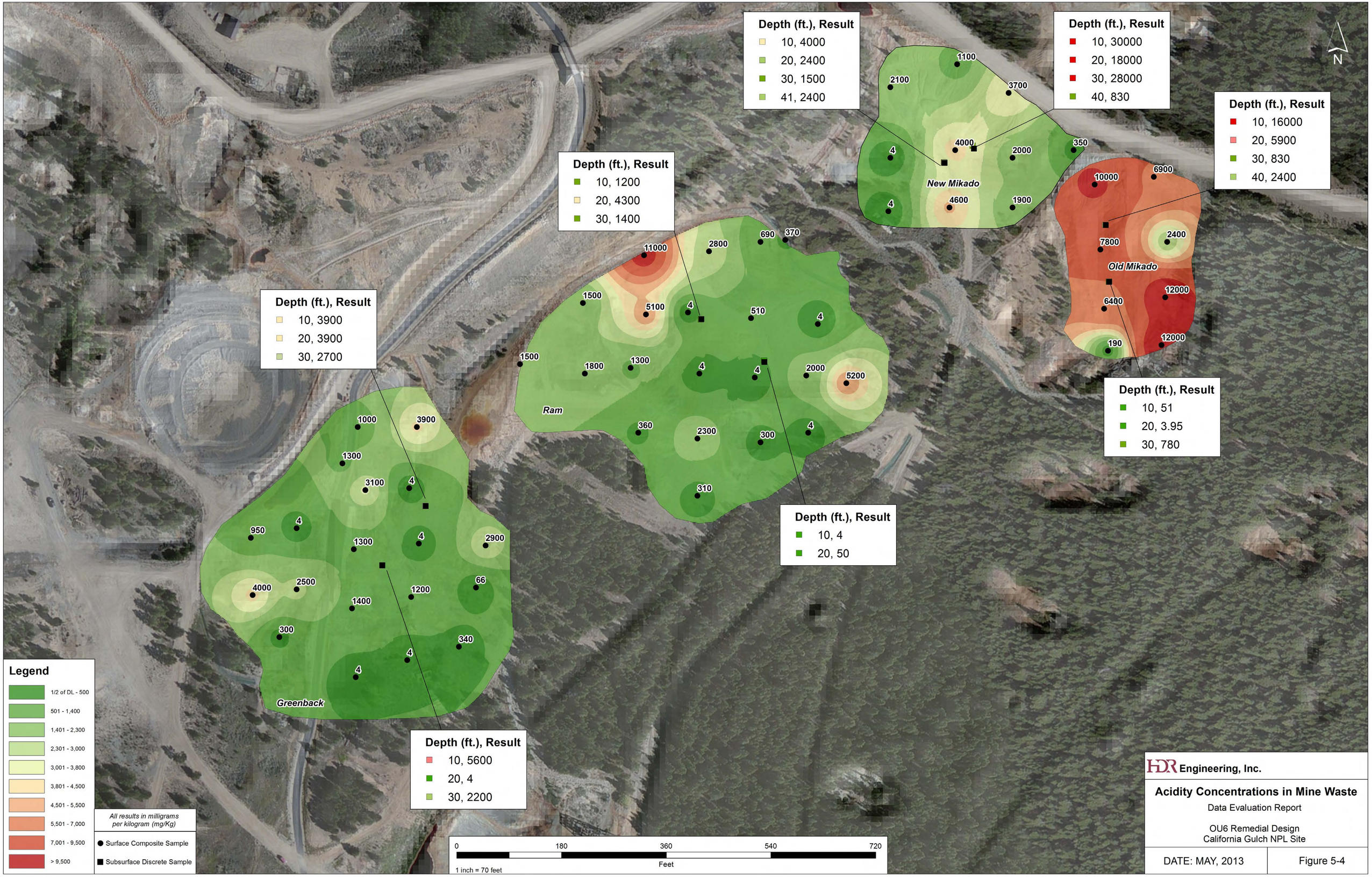
Depth (ft.), Result
10, 1020
20, 912
30, 11.1
41, 26.4
Depth (ft.), Result
10, 2740
20, 675
30, 14700
40, 239
Depth (ft.), Result
10, 9300
20, 909
30, 82.4
40, 35
Old Mikados
Depth (ft.), Result
10, 6930
20, 17900
30, 270
Ram
Depth (ft.), Result
10, 50800
20, 59.4
Depth (ft.), Results
10, 7820
20, 33100
30, 64.7
Greenback
Depth (ft.), Results
10, 7240
20, 442
Depth (ft.), Result
10, 27900
20, 14500
30, 5200
Legend
>0 - 7,000
7,001 - 12,000
12,001 - 17,000
17,001 - 23,000
23,001 - 30,000
30,001 - 38,000
38,001 - 48,000
48,001 - 57,000
57,001 - 67,000
> 68,000
All results in milligrams per kilogram (mg/Kg)
Surface Composite Sample
Subsurface Discrete Sample
0
180
360
540
720
Feet
1 inch = 70 feet
HDR Engineering, Inc.
Lead Concentrations in Mine Waste
Data Evaluation Report
OU6 Remedial Design
California Gulch NPL Site
DATE: MAY, 2013
Figure 5-3



HDR Engineering, Inc.

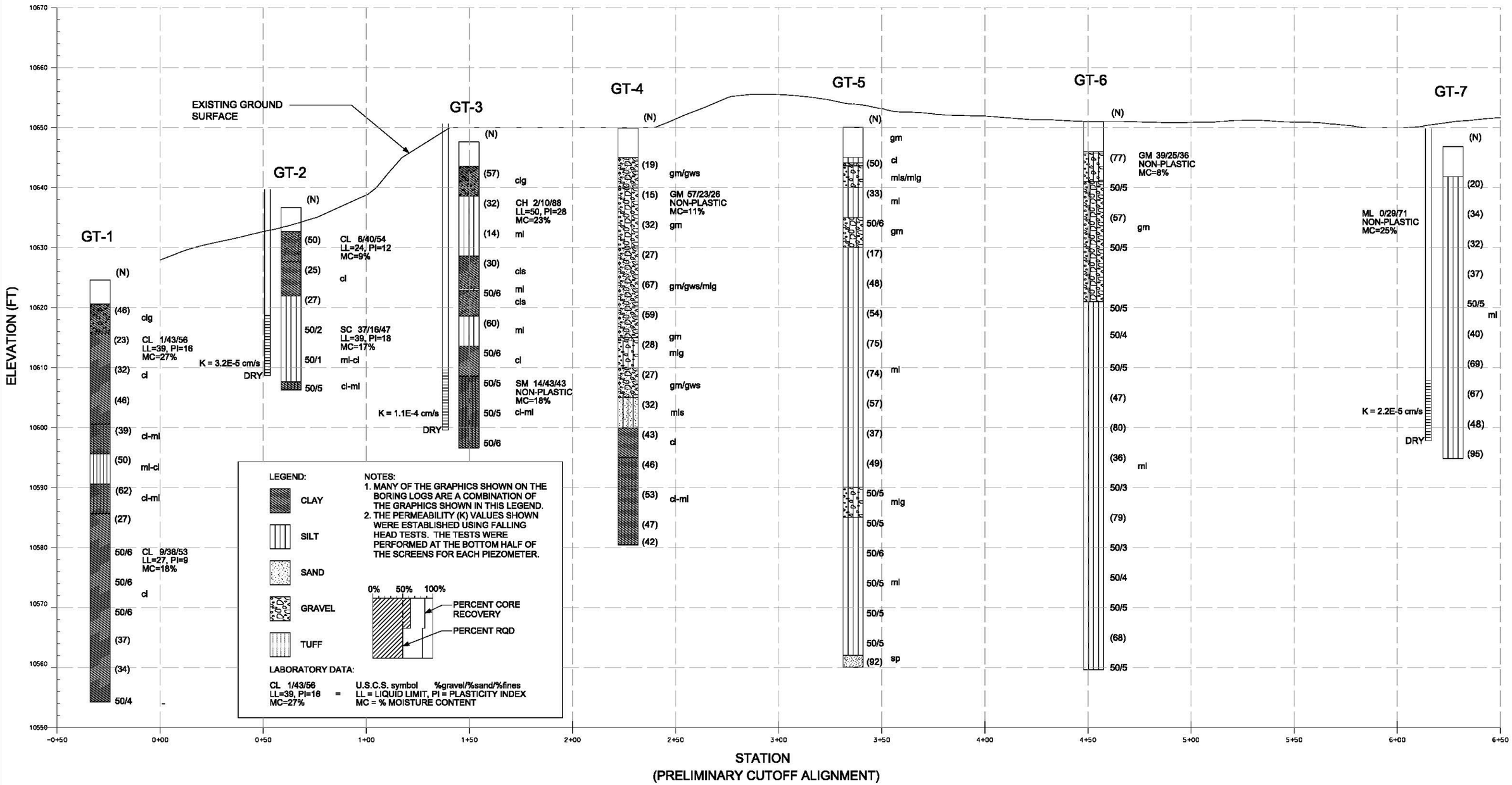
Acidity Concentrations in Mine Waste

Data Evaluation Report

OU6 Remedial Design
California Gulch NPL Site

DATE: MAY, 2013

Figure 5-4



DRAWN BY: DJI

DesignFileCalGulch.dgn
DATE: 11/20/12

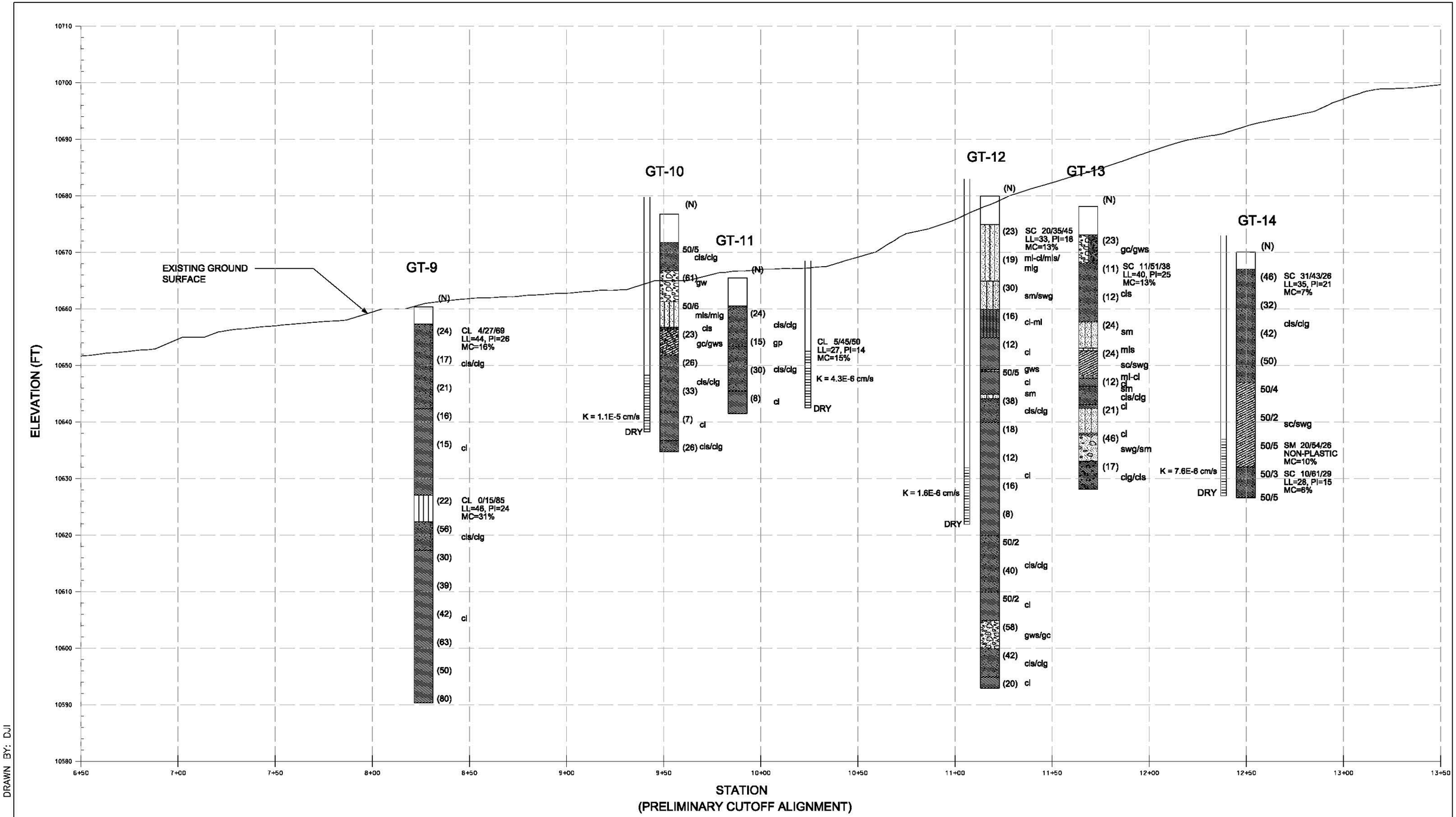
HDR

CALIFORNIA GULCH
LEADVILLE, CO

GEOLOGIC PROFILE
STA. 0+00 - STA. 6+50

DATE
NOV. 30, 2012

FIGURE
5-5



DRAWN BY: DJI

DesignFileCalGulch.dgn
DATE: 11/20/12

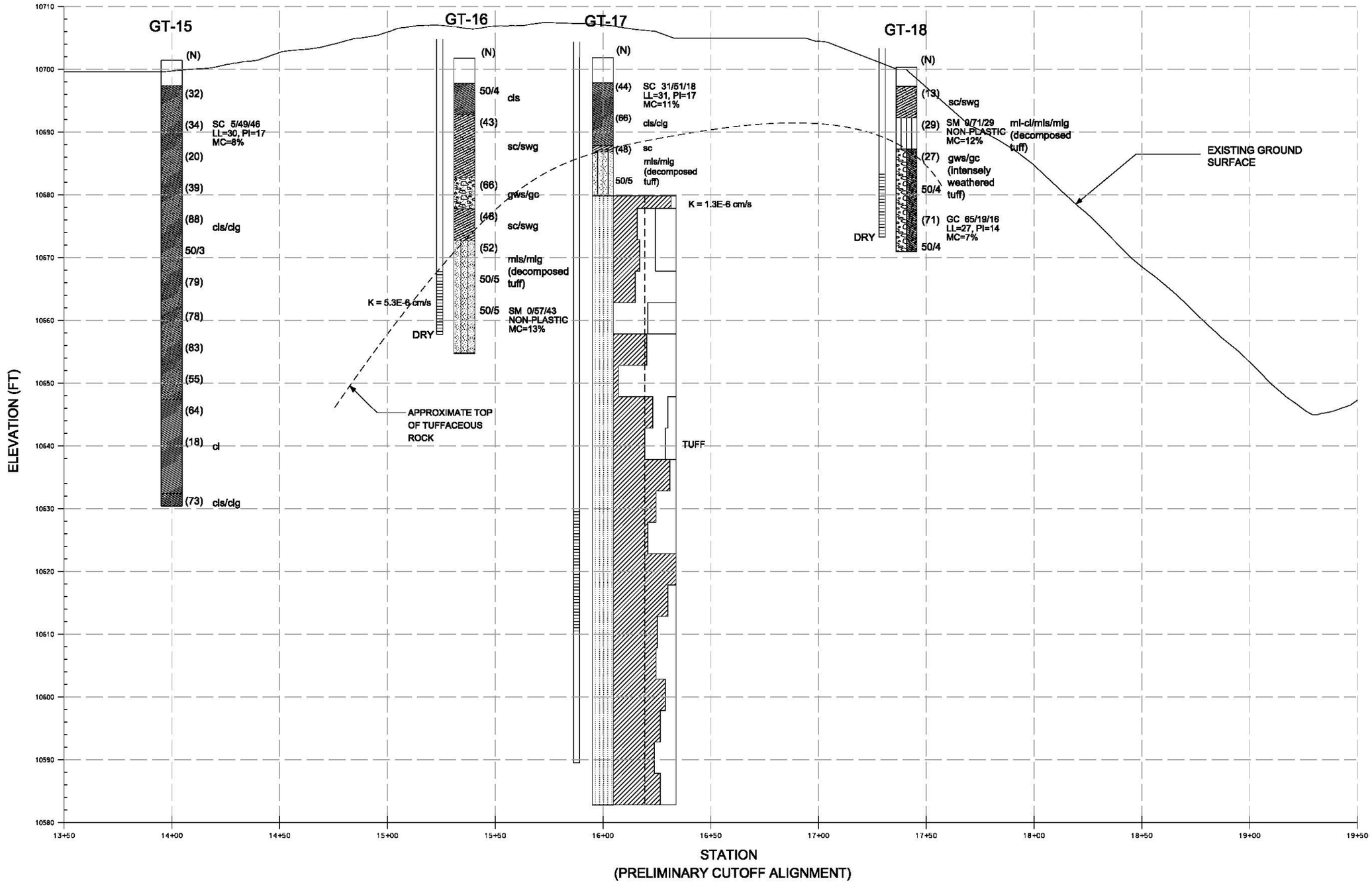
HDR

CALIFORNIA GULCH
LEADVILLE, CO

GEOLOGIC PROFILE
STA. 6+50 - STA. 13+50

DATE
NOV. 30, 2012

FIGURE
5-6



DRAWN BY: DJI

DesignFileCalGulch.dgn
DATE: 11/20/12

HDR

CALIFORNIA GULCH
LEADVILLE, CO

GEOLOGIC PROFILE
STA. 13+50 - STA. 19+50

DATE
NOV. 30, 2012

FIGURE
5-7

APPENDIX A - DAILY QUALITY CONTROL REPORTS

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: sunny ~70° / afternoon rain

WRITTEN BY: Todd Wickert

DATE: 8/6/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	PSI - Matt Saterfield	
Karen Phillips		
John Charlton		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

surface sampling supplies

Completed Work and Details

WORK COMPLETED (including description of samples collected):

marked surface sampling locations on Greenback p.k: G11, G12, G16, G6, G7, G3, G19, G15, G10, G9, G5, G1, G2, G4, G8, G18, G13, G17 G14 - all Greenback surface locations marked

Sampled: G5, G11, G10, G9, G12, G14, G15, G16, G19

processed samples

QC

QC ACTIVITIES COMPLETED (including calibration):

~~H&S meeting~~ n/a

H&S

HEALTH & SAFETY INFORMATION:

H&S meeting held 11:30 - cliffs drop offs, slips, trips, falls, sun, water hospital

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

- driller wants to be here until next monday.
- will collect surface samples this week

Other

SPECIAL NOTES/INSTRUCTIONS: n/a

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

finish sampling Greenback. Mark Ram surface locations

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Sunny ~70°

WRITTEN BY: Todd Wickert

DATE: 8/7/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert		Ken Napp (HDR)
Karen Phillips		Linda Reifer (EPA)

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

surface sampling supplies.

Completed Work and Details

WORK COMPLETED (including description of samples collected):

repackaged coolers, shipped samples.

sampled: G18, G13, G8, G4, G2, G17, G1, G20, G6, G7, G3

marked Ram locations: R10, R11, R5, R1, R2, R3, R4, R9, R15, R16, R20, R19, R18, R21, R17, R13, R14, R8, R7, R12, R6

sampled: R10, R11, R5, R21, R17, R12

processed samples

QC

QC ACTIVITIES COMPLETED (including calibration):

G1 MS/MSD & Dup (G20)

H&S

HEALTH & SAFETY INFORMATION:

same as 8/6/12

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

none

Other

SPECIAL NOTES/INSTRUCTIONS: n/a

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

sample rest of Ram, mark adelaide

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Sunny ~70°

WRITTEN BY: Todd Wickers

DATE: 8/8/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickers		Lynn Lutz (HDR)
Karen Phillips		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

surface sampling supplies

Completed Work and Details

WORK COMPLETED (including description of samples collected):

unpackaged & dropped off samples to be shipped

sampled: R1, R2, R3, R4, R6, R7, R9, R23, R8, R13, R14, R15, R16, R18, R19, R20

marked: A9, A10, A13, A8, A7, A1, A2, A3, A4, A5, A6, A14, A15, A17, A20, A21, A22, A18, A19, A16, A12, A11 (Adelaide pit)

sampled: A9, A10, A13

processed samples

QC

QC ACTIVITIES COMPLETED (including calibration):

Lynn Lutz performed a sampling audit.

R1 = MS/MSD & Dup (R23)

H&S

HEALTH & SAFETY INFORMATION:

H&S meeting 0940 - falls, weather

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

- visitor on Adelaide site wasn't happy with our presence "Bob Zach"?
- informed Linda Reifer, Ken Rapp, & Joe Shields.

Other

SPECIAL NOTES/INSTRUCTIONS: N/A

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

sample Adelaide

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch	LOCATION: Leadville, CO		
WEATHER CONDITIONS: sunny ~70°	WRITTEN BY: Todd Wickert	DATE: 8/9/12	

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert		
Karen Phillips		
John Chorlton		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):
surface sampling supplies

Completed Work and Details

WORK COMPLETED (including description of samples collected):
repackaged & dropped off samples to ship
sampled: A1, A2, A3, A4, A5, A6, A7, A8, A11, A12, A14, A15, A16, A20
A21, A22, A23 (dup of A11), A17, A18, A19
processed samples

QC

QC ACTIVITIES COMPLETED (including calibration):
A1 = MS/MSD + Dup (A23)

H&S

HEALTH & SAFETY INFORMATION:
same as 8/8/12

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:
rec'd email from Joe Shields - Adelaide drilling on hold.

Other

SPECIAL NOTES/INSTRUCTIONS: John showed us how to access Mikados piles
- all Testamerica samples will be hand delivered tomorrow
- all CLP samples will be iced until next morning when will get shipped.

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:
mark Mikados surface locations. Debrief. Deliver Testamerica samples

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: sunny ~70°

WRITTEN BY: Todd Wickert

DATE: 8/10/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert		
Karen Phillips		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

surface sampling supplies

Completed Work and Details

WORK COMPLETED (including description of samples collected):

repackaged samples, checked out of hotel.

marked Mikados surface locations: NM-9, NM-8, NM-10, NM-6, NM-5, NM-4, NM-1, NM-2, NM-3, NM-7, OM-7, OM-8, OM-6, OM-5, OM-3, OM-4, OM-2, OM-1

Demobed.

Hand delivered samples to test America

lab coordination for next week, photo download, paperwork, reiced ccp samples

QC

QC ACTIVITIES COMPLETED (including calibration):

N/A

H&S

HEALTH & SAFETY INFORMATION:

same as 8/9/12

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

NONE

Other

SPECIAL NOTES/INSTRUCTIONS: N/A

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

next monday drilling starts

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: cold, raining

WRITTEN BY: Todd Wickert

DATE: 8/13/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	Terracon Matt Duncan	
Raven Phillips	Terracon Bill Cameron	
John Charlton		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

Drill Rig, water, surface sampling supplies, Air monitor

Completed Work and Details

WORK COMPLETED (including description of samples collected):

- repacked & shipped CCP samples
- mobed to site, set up caution tape around drilling area
- set up drill rig at New Mikados Boring 1.

sampled: Borings: NB1-10 (9-11') NB1-20 (18-24'), NB1-30 (27-29'), NB1-41 (40-42')

surface: NM8, NM9, NM10, NM4, NM5, NM6, OM7, OM8

processed samples

QC

QC ACTIVITIES COMPLETED (including calibration):

air monitor self calibrates to ambient air away from site

all readings throughout day less than 1 mg/m³, high of 0.019 mg/m³

NB1-20 MS/MSD, dup (NB1-40)

H&S

HEALTH & SAFETY INFORMATION:

H&S meeting with HDR & Terracon. steep slopes, slip trips falls, driving, weather

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

- Drill rig cannot do angle drillings or get on top of Mikados piles
- will do Mikados 3 boreholes next week
- Heavy rain / cold rain stopped ~1½ hr

Other

SPECIAL NOTES/INSTRUCTIONS: native soil reached at Mikados Borehole #1 at 40'

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Greenback borings, & continue surface sampling at Mikados piles

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: sunny 70°

WRITTEN BY: Todd Wickert

DATE: 8/14/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	Matt Duncan (Terracon)	
Karen Phillips	Bill Cameron (Terracon)	
John Chesklen		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

Drill rig, water, surface sampling supplies, air monitor.

Completed Work and Details

WORK COMPLETED (including description of samples collected):

repackaged samples redropped off to be shipped

setup drill rig at Greenback Borehole 1 (see below) GB2-40 (dup of GB1-10)

samples collected - Borings = GB1-10 (7-10') GB1-20 (18-20'), GB1-30 (28-30'), RB14, FB14

moved to Borehole #2 (see below)

collected: GB2-10 (8-10') GB2-20 (18-20'), GB2-30 (28-30')

surface samples collected: OM3, OM4, OM5, OM6, NM1, NM2, NM3, NM7, OM1, OM2, NM4 (dup of NM1)

processed samples.

QC

QC ACTIVITIES COMPLETED (including calibration):

air monitor self calibrated to ambient air away from site. Highest reading all day = 0.027 mg/m³ (RB14)

field Blank collected, rinsate blank collected, GB1-10 MS/MSD + Dup (GB2-40), NM1 (MS/MSD) NM4 (dup of NM1) (FB14)

H&S

HEALTH & SAFETY INFORMATION:

H&S meeting held by John - steep slopes

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

late to night realized Greenback Borehole #1 samples were all labelled as Borehole #2 and vice versa. Told John & will switch the designations of the boreholes on the maps and notes to match the samples.

Other

SPECIAL NOTES/INSTRUCTIONS: N/A

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Borehole drilling and sampling at Iowa

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: sunny ~60'

WRITTEN BY: Todd Wickert

DATE: 8/15/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	Matt Duncan (Terracon)	
Karen Phillips	Bill Cameron (Terracon)	
John Charlton		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

Drill rig, water, air monitor

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Ram Borehole #2:

collected samples RB2-10 (8-10'), RB2-20 (18-20'), RB2-30 (28-30')

field Blank (FB15), risate blank (RB15)

Ram Borehole #1:

collected samples: RB1-10, RB1-20

hit native soil at ~15'

processed samples

QC

QC ACTIVITIES COMPLETED (including calibration):

air monitor self calibrated to ambient air. highest reading =

FB15, RB15

H&S

HEALTH & SAFETY INFORMATION:

John C held H&S meeting - steep slopes, sun

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

None

Other

SPECIAL NOTES/INSTRUCTIONS: N/A

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Todd W offsite - demob, drop samples off, pk supplies, ship clp samples, paperwork John C off-site. Karen P to oversee one geotech borehole

no environmental sampling

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch

LOCATION: Leadville CO → off site Demob

WEATHER CONDITIONS: 50° sunny

WRITTEN BY: Todd Wickert

DATE: 8/16/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Karen Phillips	Terracon Matt Duncan Terracon Bill Cameron	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

Drill rig, water

Completed Work and Details

WORK COMPLETED (including description of samples collected):

no environmental samples collected today. Todd W demob.
Karen P on-site ½ day to oversee geotech drilling.
Todd W - demob, deliver by hand samples to Test America Lab, deliver CLP samples to fed-ex drop off. Process expense receipts, scan, file, & email Daily Reports

QC

QC ACTIVITIES COMPLETED (including calibration):

N/A

H&S

HEALTH & SAFETY INFORMATION: N/A

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

N/A

Other

SPECIAL NOTES/INSTRUCTIONS: N/A

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Next monday will start to drill the remaining 3 boreholes at the Mikados Piles.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch	LOCATION: Leadville, CO	
WEATHER CONDITIONS: ~50° cloudy	WRITTEN BY: Todd Wickert	DATE: 8/20/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	Golin Murdock (Terracon)	Todd Hennig? (15 min)
Karen Phillips	Dan Westbrook (Terracon)	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):
Track drill rig, water, all boring equipment

Completed Work and Details

WORK COMPLETED (including description of samples collected):
mobbed to Leadville, met drillers (late at 10:20) mobbed semi 18 wheeler to within 1 mile of site. Tractor drill rig then driven to site & set up. Got water. Started drilling at ~1330. Set up at Mikados (New) Borehole #2, set to 20% angle to the SW. Collected the following samples:
field Blank (FB16), NB2-10 (8-10'), NB2-20 (18-20'), NB2-30 (28-30'), rinse blank (RB16), NB2-40 (38-40')

QC

QC ACTIVITIES COMPLETED (including calibration):
air monitor self calibrated - highest reading 0.036 mg/m³.

H&S

HEALTH & SAFETY INFORMATION:
H&S meeting held at 1325. Steep slopes! Lightening, slips/trips/falls, hospital location

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:
driller over 1 hr late. then took a long time to get rig to site & set-up due to remoteness of site.

Other

SPECIAL NOTES/INSTRUCTIONS: Todd H picked up soil samples & cuttings from New Mikados borehole #1.
- native soil encountered at ~36'. Took last sample at 38-40'

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:
move rig to old Mikados and collect samples from boring.

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch	LOCATION: Leadville, CO
WEATHER CONDITIONS: sunny ~70°	WRITTEN BY: Todd Wickers — DATE: 8/21/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickers	(Terracon) Colin Murdock	
Karen Phillips	(Terracon) Dan Weisbrook	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):
Truck drill rig, water, all associated drilling equipment

Completed Work and Details

WORK COMPLETED (including description of samples collected):
Grouted new Mikados borehole from yesterday. Filled up water. Spray washed drill bits. Moved drill rig to OK Mikados site. Held H&S meeting. Drilling started at Borehole 1 on Mikados 1315. Samples collected: FB17 (field blank), OB1-10 (8-10') MS/MSD, OB1-11 (dup of OB1-10), OB1-20 (18-20'), RB17 (rinse blank), OB1-30 (28-30'), & OB1-40 (38-40')

QC

QC ACTIVITIES COMPLETED (including calibration):
air monitor self calibrated to ambient air away from site. highest reading 0.024 mg/m³

H&S

HEALTH & SAFETY INFORMATION:
H&S meeting held 800 - sheepslopes, clinic, bike path, weather.

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:
None

Other

SPECIAL NOTES/INSTRUCTIONS: Native soil hit at ~33'. Last sample collected at 38-40'

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:
Drill and collect samples from old Mikados borehole #2

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch, Leadville, CO

LOCATION: Cal Gulch

WEATHER CONDITIONS: ~60° cloudy

WRITTEN BY: Todd Wickert

DATE: 8/22/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	Colin Murdoch Terracon	Todd Hennis
Karen Phillips	Dan Westbrook Terracon	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):
Track drill rig, water, air monitor, and all drilling and sampling supplies.

Completed Work and Details

WORK COMPLETED (including description of samples collected):
Old Mikados Borehole #2, 25% slant to SW.
The following samples were collected: OB2-10 (8-10'), FB06 (Field blank), RB06 (Rinse blank), OB2-20 (18-20'), OB2-30 (28-30')
processed samples, organized paperwork

QC

QC ACTIVITIES COMPLETED (including calibration):
air monitor self calibrated to ambient air. Rinse blank and field blank collected. Highest air monitor reading 0.01 mg/m³.

H&S

HEALTH & SAFETY INFORMATION:
H&S meeting held at 0940

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:
when dropped samples off to ship at CMC - noticed our cooler from yesterday was not picked up. Apparently they forgot about it. will be picked up today.

Other

SPECIAL NOTES/INSTRUCTIONS: Todd Hennis on site collecting soil from tarps and bags from old and New Mikados piles.

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:
off-site, demob, deliver samples to Test America, ship CLP samples

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch	LOCATION: Leadville, CO	
WEATHER CONDITIONS: ~50° raining	WRITTEN BY: Todd Vickers	DATE: 8/23/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Karen Phillips	Galin Murdock (Terracon)	
	Terracon Dan Westbrook	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

Drill rig + supplies

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Todd demobed, dropped samples off at TestAmerica, dropped CLP samples at fed-ex p/u center. Download photos. Scan DQCRs email, 2 week trip report, expense reports, paperwork organization

All environmental samples have been collected

Karen onsite performing geotech borings

QC

QC ACTIVITIES COMPLETED (including calibration):

N/A

H&S

HEALTH & SAFETY INFORMATION:

N/A

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

N/A

Other

SPECIAL NOTES/INSTRUCTIONS: field work finished

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

field work finished

HDR | ONE COMPANY *Many Solutions*℠

Daily Report

To: Joe Shields

From: (Name, Company) Karen Phillips, HDR EOC

Project: California Gulch, Leadville, Colorado

Date: (Drilled Date, Weekday) 8-24-12 (Friday)

HDR Job No: Dept. 228 Project 189118

VDOT Job No:

Weather: Cloudy Breezy 50°-70°F

Hours Onsite:

Logger Onsite:	0730	to 1400	Driller Onsite:	0730	to 1400
Lunch/Breaks:	NONE	to	Logger Travel to Site:		to
Down Time, Reason: (i.e., Rig down, etc.)	NONE		Standby Time, Reason:	none	

Daily Progress:

Boring No.	Completed Drilling	Backfilled	Depth Drilled (ft)	Rock Cored (ft)	Drilling Type (HSA, Mud Rotary, etc.)	Casing Depth (ft)
GT-6	Yes No	Yes No	90 ft		HSA	
	Yes No	Yes No				
	Yes No	Yes No				
	Yes No	Yes No				
	Yes No	Yes No				
	Yes No	Yes No				
	Yes No	Yes No				
	Yes No	Yes No				

Samples Collected:

Boring No.	Shelby (Undisturbed) Tube		Bulk Sample		Core Boxes		Piezometer Installed
	Depth (ft)	Recovery (ft)	Depth (ft)	# of Bags	# of Boxes	Photo Taken	
GT-6			Samples collected every 5' in Plastic Bags			Yes No	Yes No
						Yes No	Yes No
						Yes No	Yes No
						Yes No	Yes No

Other Notes:

Covered hole will backfill w/ grout on Monday 8/27/12

Boring Logs Attached (list): See boring log GT-6

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: CALIFORNIA GULCH

LOCATION: LEADVILLE, CO

WEATHER CONDITIONS: AM: SUNNY ~1450 LIGHTNING

WRITTEN BY: JEC

DATE: 8-27-2012

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
JOHN CHARLTON	TERRACON	
DAVE ISLEY		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME-550X DRILL RIG + SUPPORT TRUCK

Completed Work and Details

WORK COMPLETED (including description of samples collected):

GROUT BORING GT-6
DRILL GT-7 to 30 ft. SPT SAMPLING 5 ft.
WORK CEASED AT 1455 DUE TO LIGHTNING.

QC

QC ACTIVITIES COMPLETED (including calibration):

DRILLING OVERSIGHT, SAMPLE LOGGING

H&S

HEALTH & SAFETY INFORMATION:

SAFETY MEETING COMPLETED AT 0935

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

SAFETY HAZARD - LIGHTNING. WORK WAS STOPPED

Other

SPECIAL NOTES/INSTRUCTIONS: NONE

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

DRILL GT-7 TO DEPTH, INSTALL PIEZOMETER

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: CALIFORNIA GULCH

LOCATION: LEADVILLE, CO

WEATHER CONDITIONS: AM: SUNNY/COOL PM: CLOUDY

WRITTEN BY: JEC

DATE: 8-28-2012

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
JOHN CHARLTON	TERRACON	
DAVE ISLEY		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME-850X DRILL RIG & SUPPORT TRUCK

Completed Work and Details

WORK COMPLETED (including description of samples collected):

DRILL GT-7 TO DEPTH OF 50 FT. SPT SAMPLING
INSTALL GT-7 PIEZOMETER
DRILL GT-12 TO 90 FT. SPT-SAMPLING.
SHELBY TUBE AT 20-22 FT

QC

QC ACTIVITIES COMPLETED (including calibration):

OVERSIGHT OF DRILLING & PIEZOMETER INSTALLATION.

H&S

HEALTH & SAFETY INFORMATION:

SAFETY MEETING CONDUCTED AT 0635

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

NONE

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

INSTALL GT-12 PIEZOMETER, DRILL GT-10

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: CALIFORNIA GULCH

LOCATION: LEADVILLE, CO

WEATHER CONDITIONS: AM: SUNNY & COOL PM: SUNNY/CLOUDS ~75°

WRITTEN BY: JEC

DATE: 8-29-2012

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
JOHN CHARLTON	TERRACON	
DAVE ISLEY		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME-850X SUPPORT TRUCK, PIEZOMETER MATERIALS

Completed Work and Details

WORK COMPLETED (including description of samples collected):

INSTALL GT-12 PIEZOMETER
DRILL GT-10 TO 40 FT. SPT SAMPLING AT 5 FT. INTERVALS.

QC

QC ACTIVITIES COMPLETED (including calibration):

DRILLING AND PIEZOMETER INSTALLATION OVERSIGHT.
LOG BOREHOLES

H&S

HEALTH & SAFETY INFORMATION:

SAFETY MEETING COMPLETED.

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

NONE NOTED

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

DRILL AND INSTALL GT-11.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: CALIFORNIA GULCH

LOCATION: LEADVILLE, CO

WEATHER CONDITIONS: AM: SUNNY, COOL PM: VARIABLE SUN & CLOUDS TOP

WRITTEN BY: JEC

DATE: 8-30-2012

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
JOHN CHARLTON	TERRACON	COLORADO MOUNTAIN
DAVE ISLEY		COLLEGE SOILS CLASS
		FROM 1320-1410

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 850X, PIEZOMETER MATERIALS, SUPPORT TRUCK.

Completed Work and Details

WORK COMPLETED (including description of samples collected):

DRILL & INSTALL GT-11. SPT SAMPLING AT 5 FT. INTERVALS. SHELBY TUBE AT 22-24 FT. IN GT-11. DRILL & INSTALL GT-16. SPT SAMPLING AT 5 FT INTERVALS.

TOP OF GT-16 NOT GROUTED DUE TO LIGHTNING @ 1650.

QC

QC ACTIVITIES COMPLETED (including calibration):

DRILLING & PIEZOMETER INSTALLATION OVERSIGHT. LOGGING SAMPLES.

H&S

HEALTH & SAFETY INFORMATION:

SAFETY MEETING CONDUCTED.

WORK STOPPED AT 1650 DUE TO LIGHTNING.

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

SPT BARREL BROKE OFF IN GT-16 AT ~50 FT. SPT BARREL COULD NOT BE RETRIEVED AND WAS LEFT IN BOREHOLE BENEATH PIEZOMETER.

Other

SPECIAL NOTES/INSTRUCTIONS: NONE

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

DRILL GT-13. SET UP AT GT-17. CLEAN UP SITE, MOBILIZE TO DENVER. GROUT TOP OF GT-16 PIEZOMETER.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: CALIFORNIA GULCH

LOCATION: LEADVILLE, CO

WEATHER CONDITIONS: SUNNY / COOL

WRITTEN BY: JEC

DATE: 8-31-2012

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
JOHN CHARLTON	TERRACON	
DAVE ISLEY		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 850X, SUPPORT TRUCK, PIEZOMETER SUPPLIES

Completed Work and Details

WORK COMPLETED (including description of samples collected):

GROUT TOP ANNULUS OF GT-16.
DRILL GT-13 SPT SAMPLING AT 5 FT. INTERVALS. SHELBY TUBE AT 50-52 FT.
GROUT GT-13. CLEAN UP SITE AND SECURE MATERIALS FOR STORAGE OVER WEEKEND

QC

QC ACTIVITIES COMPLETED (including calibration):

DRILLING OVERSIGHT. SPT SAMPLE LOGGING.

H&S

HEALTH & SAFETY INFORMATION:

SAFETY MEETING CONDUCTED AT 0710.

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

NONE

Other

SPECIAL NOTES/INSTRUCTIONS:

NONE

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

NONE

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Sunny

WRITTEN BY: David Isley

DATE: 9/4/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Dan Westbrook	
	Chris Patton	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 80, Water Truck, 8" Hollow Stem Augers, 3" Split Spoon, Materials for Rock Coring

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Drillers picked up materials for rock coring in Denver. Mobilization to site. Drilled down to 21' using hollow stem augers, sampling every 5'. Rock coring started at 22' with continuous sampling. Coring ended at 44' for the day.
(See drill logs for description of samples)

QC

QC ACTIVITIES COMPLETED (including calibration):

Drilling and coring oversite, collection and logging of soil samples, collection, logging, and photographing of rock core samples.

H&S

HEALTH & SAFETY INFORMATION:

See attached 'Daily Safety Meeting'

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

None

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Finish coring GT-17 down to 120' and install piezometer into GT-17.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch
LOCATION: Leadville, CO
WEATHER CONDITIONS: Sunny
WRITTEN BY: David Isley
DATE: 9/5/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Dan Westbrook	
	Chris Patton	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):
CME 80, Water Truck, Materials for Rock Coring

Completed Work and Details

WORK COMPLETED (including description of samples collected):
Rock coring of GT-17 down to 119' (See drill logs for description of samples)

QC

QC ACTIVITIES COMPLETED (including calibration):
~~Drilling~~ Rock coring oversite/collecting, logging, and photographing rock core samples

H&S

HEALTH & SAFETY INFORMATION:
See attached 'Daily Safety Meeting'

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:
After we removed the core steel to place the 2" I.D. Piezometer, we got stuck at 42' and couldn't advance the piezometer further. Used drill bit and rods to try to move the obstruction but were unsuccessful. We ~~were~~ are going to replace core steel and go to Denver to pick up 1" I.D. pipe tomorrow.

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:
Dave will drive to Denver in the morning while the drill crew replaces the core steel down to 119'. Install 1" I.D. piezometer in GT-17. Start drilling for GT-18

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Sunny

WRITTEN BY: David Isley

DATE: 9/6/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Dan Westbrook	
	Chris Patton	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 80, Water Truck, Materials for Rock Coring, 8" Hollow stem Augers, 3" Split Spoon, 1" I.D. and 2" I.D. screens and risers, sand, Bentonite Pellets, Grouting Materials.

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Dave drove to Denver in the morning to pick up 1" I.D. piezometer materials while the drill crew replace the core steel in GT-17. Placed piezometer in GT-17 w/ screen from 92' to 72'. Placed sand, bentonite, and grout to close hole. Drilled GT-18 down to 30', sampling every 5' (see drill logs for a description of samples). Placed piezometer in GT-18 with the screen from 27' to 17'. Placed sand, bentonite, and grout to close the hole. Installed bollards at GT-16, 17, + 18.

QC

QC ACTIVITIES COMPLETED (including calibration):

Oversite of piezometer installation. Drilling oversite. Collecting and logging soil samples.

H&S

HEALTH & SAFETY INFORMATION:

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

We were unable to advance sound around the screen past the 42' we had had trouble with the previous day. The space around the piezometer below 42' is open. We placed 10' of bentonite pellets above 42' to ensure the hole is sealed.

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Drill GT-15 down to 70'.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Sunny

WRITTEN BY: David Isley

DATE: 9/7/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Dan Westbrook	
	Chris Patton	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 80, Water Truck, 4" Augers, 3" Split Spoon, Grouting Materials

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Drilled down to 70' on GT-15, sampling every 5'
See drilling logs for description of samples

QC

QC ACTIVITIES COMPLETED (including calibration):

Drilling oversite, collecting and logging samples

H&S

HEALTH & SAFETY INFORMATION:

See attached "Daily Safety Meeting"

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

The Water Truck got a flat tire Friday morning. Terracon called in a repair man to come out to the site. The tire was replaced that afternoon.

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Activities for Monday should include drilling, sampling, and installing a piezometer in GT-14. Depth should be 50'. Should start drilling and sampling GT-9. Expected depth for GT-9 is 70'

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Sunny

WRITTEN BY: David Isley

DATE: 9/10/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Dan Westbrook	
	Chris Patton	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 80, Water Truck, 8" Hollow Stem Augers, 3" Split Spoon, 4" Augers, 2" I.D. Screen and Riser, Sand, Bentonite Pellets, Grout, Bollards

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Drilled GT-14 down to 43'5", sampling every 5' (See drilling logs for description of samples). Installed piezometer into GT14 with a 10' screen at 43' base. Drilled GT-9 down to 40', sampling every 5' (See drilling log for description of samples)

QC

QC ACTIVITIES COMPLETED (including calibration):

Drilling oversite/collecting and logging samples/oversite of piezometer installation, including depth measurments for TD, top of sand, bottom of screen, and top of bentonite seal.

H&S

HEALTH & SAFETY INFORMATION:

See attached 'Daily Safety Meeting'

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

Expected drilling depth for GT-14 was 50' but we were unable to advance past 43'5" due to what the drillers thought to be a boulder.

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Finish drilling GT-9 down to 70', sampling every 5'. Start drilling and sampling GT-3 down to 50'.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Cloudy ~~Sunny~~, Rain in Evening

WRITTEN BY: David Isley

DATE: 9/11/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Dan Westbrook	
	Chris Patton	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 80, Water Truck, 4" Augers, 8" Hollow stem Augers, 3" split Spoon, 2" I.D. Screen and Riser, Bollards, Sand, Bentonite Pellets, Grouting Materials

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Finished drilling GT-9 down to 70', sampling every 5' (see drilling logs for description of samples). Drilled GT-3 down to 50', sampling every 5' (see drilling logs). Installed piezometer into GT-3 with 10' screen with base at 49'. Placed 3 bollards around riser. Grouted in the hole.

QC

QC ACTIVITIES COMPLETED (including calibration):

Drilling oversite/collecting and logging samples/oversite of piezometer installation with depth measurements for TD, bottom of screen, and top of sand

H&S

HEALTH & SAFETY INFORMATION:

See attached 'Daily Safety Meeting'

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

While drilling GT-9, the drillers had complications with one of their cables. It took approximately 1 hour to fix.

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Drill, sample, and install piezometer in GT-2. Expected depth is 30'. Drill and sample GT-1 down to 70'.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Rainy

WRITTEN BY: David Isley

DATE: 9/12/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Dan Westbrook	
	Chris Patton	
	Eric Zetwick	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 80, Water Truck, 8" Hollow Stem Augers, 4" Auger, 3" Split Spoon, 2" I.D. Screen and Riser, Sand, Bentonite Pellets, Grouting Materials, Bollards

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Drilled GT-2 down to 30', sampling every 5' (see drilling logs for description of samples). Installed piezometer into GT-2. Placed bollards around riser. Grouted in GT-2. Drilled GT-1 down to 70', sampling every 5' (see drilling logs). Grouted in GT-1.

QC

QC ACTIVITIES COMPLETED (including calibration):

Drilling oversite / collecting and logging samples / ~~oversite~~ oversight of piezometer installation, including depth measurements for TD, bottom of screen, and top of sand + bentonite

H&S

HEALTH & SAFETY INFORMATION:

See attached 'Daily Safety Meeting'

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

None

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Drill two wells next to GB-2 solely for piezometer installation

Drill two holes next to RB-2 for piezometer installation

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Sunny

WRITTEN BY: David Isley

DATE: 9/13/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley	Eric Zetwick	
	Chris Patton	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

CME 80, Water Truck, 8" Hollow Stem Augers, 3" Split Spoon, 2" I.D. Screen and Risers, Sand, Bentonite Pellets, Grouting Materials, Bollards

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Drilled 2 holes ~~nex~~ on either side of GB-2, about 3' away from GB-2. One at a depth of 25' and the other at 37'. Installed piezometers with 5' screens with bases at 24' and 36', respectively. Grouted in the two holes. Drilled 2 holes on either side of RB-2, about 3' away from RB-2. One at a depth of 31' and the other at 49'. Installed piezometers with 5' screens with bases at 30' and 42', respectively. Grouted in the 2 holes.

QC

QC ACTIVITIES COMPLETED (including calibration):

H&S

HEALTH & SAFETY INFORMATION:

See attached 'Daily Safety Meeting'

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

The drillers dropped one of the Arrods in the hole. ~~Hard~~ Had to drill down an additional 5' from the objective to retrieve it. This took a couple hours extra to finish this hole.

Other

SPECIAL NOTES/INSTRUCTIONS:

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Activities for Monday should including installing any missing bollards, particularly at the 2 holes by RB-2. Also, Terracon will place concrete and casings around all of the piezometers.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, Colorado

WEATHER CONDITIONS: Sunny - 40-60°

WRITTEN BY: Karen Phillips

DATE: 9-18-12

Personnel Onsite

HDR ~~person~~	SUBCONTRACTORS	VISITORS
Karen Phillips / HDR EOC	Eric Zetwick	
	D.J. Peterson	
	(High Plains Drilling - Terracon)	

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

Truck, concrete, supplies for completion of piezometer surface pads

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Completed concrete work on 5 piezometer surface pads and steel protective poles. Began preparation and placement of 3 additional forms around 3 piezometers - Located remaining piezometers (except one) to assess work for tomorrow at these locations.

QC

QC ACTIVITIES COMPLETED (including calibration):

NONE

H&S

HEALTH & SAFETY INFORMATION:

No health and safety issues

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

NONE

Other

SPECIAL NOTES/INSTRUCTIONS: —

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

Complete concrete surface pads of all 14 piezometers (9 remaining) and begin painting activities of steel protective poles.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch out

LOCATION: Lenoville, CO

WEATHER CONDITIONS: sunny ~60°

WRITTEN BY: Todd Wickert

DATE: 9/19/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	Terracon Erickstrick DJ Peterson	NONE

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

concrete mix, water, tools

Completed Work and Details

WORK COMPLETED (including description of samples collected):

completing concrete boxes around piezometer wells. 14 wells total, 8 previously completed finished remaining wells located on dirt roads in the forest.
completed 2 wells on Greenback pile.
Ram pile - bollards were not in yet - Dug post holes and set 6 bollards around 2 wells next to eachother.
All wells completed with concrete - except Ram bollards need to be cut down & filled with concrete.
All well casings & bollards need to be painted.

QC

QC ACTIVITIES COMPLETED (including calibration):

N/A —

H&S

HEALTH & SAFETY INFORMATION:

followed previous plan

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

NONE —

Other

SPECIAL NOTES/INSTRUCTIONS:

N/A —

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

finish bollards at Ram Pile.
Paint all 14 well casings & associated bollards in yellow paint.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: Cal Gulch OU6

LOCATION: Leadville, CO

WEATHER CONDITIONS: sunny ~60°

WRITTEN BY: Todd Wickert

DATE: 9/20/12

Personnel Onsite

HDR|OBG JV	SUBCONTRACTORS	VISITORS
Todd Wickert	Terracon Eric Zetwick DT Peterson	None

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

concrete mix, yellow paint, tools

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Ram bollards - cut down

Painted in yellow - well casings & bollards.

1y total: (2) Ram, (3) near old Mikados, (1) (3) south of New Mikados

wells located SE of Ram (1) well, (1) well

well located off main road south of pyrenees (1) well, (1) well SE of Pyrenees

(2) wells east of Greenback & Ram

finished concrete completion of bollards on Rampile. Added more concrete inside bollards at a well SE of Ram. (2) last wells at Greenback, - done - off site

QC

QC ACTIVITIES COMPLETED (including calibration):

N/A

H&S

HEALTH & SAFETY INFORMATION:

followed HASP

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

None

Other

SPECIAL NOTES/INSTRUCTIONS: N/A

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

None, Keys/locks will be installed next week

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: CALIFORNIA GULCH ~~[illegible]~~

LOCATION: LEADVILLE, CO

WEATHER CONDITIONS: Partly Sunny, PM RAIN

WRITTEN BY: JEC

DATE: 9-25-12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
DAVE ISLEY	NONE	NONE
JOHN CHARLTON		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

300' HERON "M" SCOPE, WATER

Completed Work and Details

WORK COMPLETED (including description of samples collected):

INITIATED FALLING HEAD TESTS FOR GT-2, GT-3, GT-7, GT-10, GT-11, and GT-12

MEASURED INITIAL WATER LEVELS & SOUNDED ALL DEPTHS.

QC

QC ACTIVITIES COMPLETED (including calibration):

CONFIRMED (TESTED) THAT "M" SCOPE SIGNALS WHEN TIP IS IMMERSED IN WATER, DATA COLLECTION ON FALLING HEAD TEST FORMS & COMPUTER FILE

H&S

HEALTH & SAFETY INFORMATION:

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

NONE

Other

SPECIAL NOTES/INSTRUCTIONS: NONE

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

COMPLETE WATER LEVEL MEASUREMENTS FOR TESTS BEGUN TODAY, INITIATE FALLING HEAD TESTS FOR GT-14, GT-16, GT-17 AND GT-18.

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: CALIFORNIA GULCH
LOCATION: LEADVILLE, CO
WEATHER CONDITIONS: MOSTLY SUNNY
WRITTEN BY: JEE
DATE: 9-26-2012

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
DAVE ISLEY	NONE	NONE
JOHN CHARLTON		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):
300' HERON "M" SCOPE, WATER.

Completed Work and Details

WORK COMPLETED (including description of samples collected):
INITIATED FALLING HEAD TESTS FOR GT-14, GT-16, GT-17, & GT-18.
COMPLETED FALLING HEAD TESTS FOR GT-2, GT-3, GT-7, GT-11, GT-12, & GT-10.
RECORDED INITIAL WATER LEVELS AND SOUNDED ALL PIEZOMETERS INCLUDING PIEZOMETERS IN GREENBACK & RAM PILES

QC

QC ACTIVITIES COMPLETED (including calibration):
DATA COLLECTION ON APPROPRIATE FORMS & COMPUTER FILES.

H&S

HEALTH & SAFETY INFORMATION:
NO INCIDENTS.

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:
BAILER DROPPED INTO GT-10. MUST FISH OUT.
BAILING DID NOT REMOVE WATER FROM 4" SUMP AT BOTTOM OF WELL. WELLS MUST BE EVACUATED WITH AIR PRESSURE.

Other

SPECIAL NOTES/INSTRUCTIONS: NONE

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:
COMPLETE FALLING HEAD TESTS FOR GT-14, GT-16, GT-17, & GT-18

HDR

DAILY QUALITY CONTROL REPORT

General

PROJECT: California Gulch

LOCATION: Leadville, CO

WEATHER CONDITIONS: Cloudy 45°

WRITTEN BY: David Isley

DATE: 9/27/12

Personnel Onsite

HDR	SUBCONTRACTORS	VISITORS
David Isley		

Materials, Etc.

MATERIALS, SUPPLIES, EQUIPMENT ONSITE AND BEING USED (note acceptability):

M-Scope

Completed Work and Details

WORK COMPLETED (including description of samples collected):

Took water-level measurements for piezometers at GT-12, GT-14, GT-16, GT-17, and GT-18.

QC

QC ACTIVITIES COMPLETED (including calibration):

None

H&S

HEALTH & SAFETY INFORMATION:

None

Prob./Corr. Actions

PROBLEMS ENCOUNTERED/CORRECTIVE ACTIONS TAKEN:

None

Other

SPECIAL NOTES/INSTRUCTIONS: None

Next Day

EXPECTED ACTIVITIES FOR TOMORROW:

No activities scheduled.

APPENDIX B – BORING LOGS

HDR

BORING NUMBER GB-1

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/14/12 **COMPLETED** 8/14/12
GROUND ELEVATION **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 3" Split Spoon/2" Split Spoon
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5							
	SS	92	3-3-5-5 (8)				Sandy silt, few gravels, reddish brown Whitw silty gravel with white and yellow clay, medium gravels
10	SS	100	3-6-10-14 (16)				Gravelly clay with silt, fine to coarse gravels, white yellow, red
	SS	79	7-7-14-12 (21)				SIlty clayey gravel, red brown, fine to coarse gravels, little sand, white gravels near base
15							
	SS	25	4-3-5-5 (8)				Gravelly dolomite, white gray, coarse gravels
	SS	79	8-9-5-7 (14)				Silty clayey gravel, fine to coarse angular gravels, dark brown, moist
20				LL=31, PI=13	GC		CLAYEY GRAVEL, (GC) 68 % gravel, 14 % sand, 18 % fines Gravelly silt, wet, gray
	SS	58	1-19-34-9 (53)				Clayey silty gravel, oxidized, red brown, white, fine to coarse angular gravels
25							
	SS	89	12-10-12 (22)				Silty sand with gravel, brown, wet near top 14", fine grained near base (Native Soil)
30	SS	100	6-13-17-26 (30)	LL=35, PI=20	CL		LEAN CLAY, (CL) 0 % gravel, 38 % sand, 62 % fines

Bottom of borehole at 30.0 feet.

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HDR

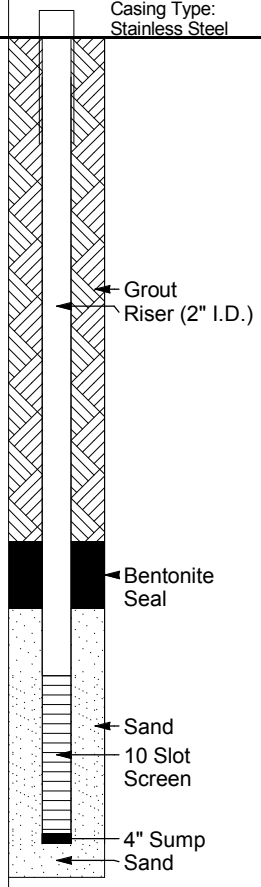
WELL NUMBER GB-2 (Mine Waste)

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/14/12 **COMPLETED** 8/14/12
GROUND ELEVATION 10611.17 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 3" Split Spoon/2" Split Spoon
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5				LL=39, PI=18	CL		LEAN CLAY, (CL) 7 % gravel, 42 % sand, 51 % fines
	SS	58	3-3-4-3 (7)				Silty gravel with clay, fine to coarse gravels, yellow brown, moist, angular gravels, dolomite fragments
10	SS	54	5-7-6-5 (13)				Sandy silty gravel, fine to coarse gravels and sands, reddish brown, white, wood, large cobbles and yellow red/brown clay in shoe, angular sands and gravels
	SS	75	3-9-14-9 (23)				Sandy silty clayey gravel, reddish brown, white, yellow brown, slag
15							
	SS	75	2-3-3-4 (6)				Silty clay, black, red, pyrite thoughout, few coarse gravels
20	SS	100	5-6-10-9 (16)	MC = 8% LL=18, PI=7			Clayey silty gravel, gray, brown, brown red, yellow, dark brown, pyrite throughout, fine to coarse gravels
					SC		CLAYEY SAND, (SC) 15 % gravel, 60 % sand, 25 % fines
	SS	100	3-3-4 (7)				Clayey silty gravel, gray, brown, brown red, yellow, dark brown, pyrite throughout, fine to coarse gravels, wood fragments from 22-24'
25	SS	83	3-10-18 (28)				Silty clay with some gravel, medium brown, gravel layer near bottom (2" thick), angular gravels
30	SS	100	16-34-36-44 (70)				Sandy gravel, weathered rock, a few quartz, mafic, igneous fragments, large rounded cobbles, (Native Soil)

Bottom of borehole at 30.0 feet.

WELL DIAGRAM



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HDR

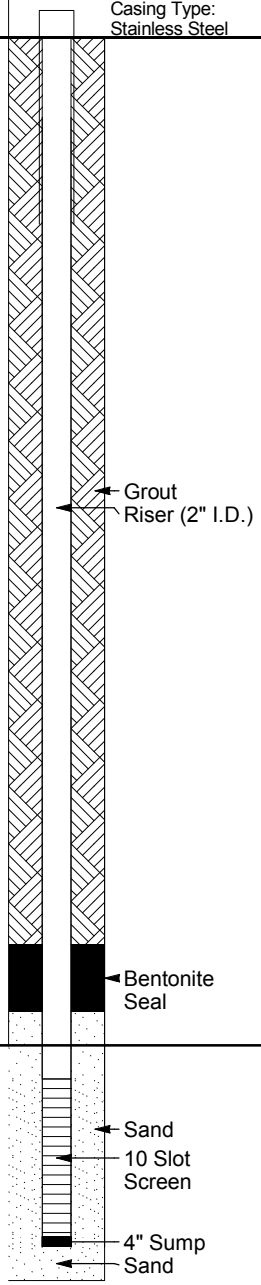
WELL NUMBER GB-2 (Soil)

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/14/12 **COMPLETED** 8/14/12
GROUND ELEVATION 10611.17 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 3" Split Spoon/2" Split Spoon
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5				LL=39, PI=18	CL		LEAN CLAY, (CL) 7 % gravel, 42 % sand, 51 % fines
	SS	58	3-3-4-3 (7)				Silty gravel with clay, fine to coarse gravels, yellow brown, moist, angular gravels, dolomite fragments
10	SS	54	5-7-6-5 (13)				Sandy silty gravel, fine to coarse gravels and sands, reddish brown, white, wood, large cobbles and yellow red/brown clay in shoe, angular sands and gravels
	SS	75	3-9-14-9 (23)				Sandy silty clayey gravel, reddish brown, white, yellow brown, slag
15							
	SS	75	2-3-3-4 (6)				Silty clay, black, red, pyrite thoughout, few coarse gravels
20	SS	100	5-6-10-9 (16)	MC = 8% LL=18, PI=7			Clayey silty gravel, gray, brown, brown red, yellow, dark brown, pyrite throughout, fine to coarse gravels
					SC		CLAYEY SAND, (SC) 15 % gravel, 60 % sand, 25 % fines
	SS	100	3-3-4 (7)				Clayey silty gravel, gray, brown, brown red, yellow, dark brown, pyrite throughout, fine to coarse gravels, wood fragments from 22-24'
25	SS	83	3-10-18 (28)				Silty clay with some gravel, medium brown, gravel layer near bottom (2" thick), angular gravels
30	SS	100	16-34-36-44 (70)				Sandy gravel, weathered rock, a few quartz, mafic, igneous fragments, large rounded cobbles, (Native Soil)

Bottom of borehole at 30.0 feet.

WELL DIAGRAM



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HDR

BORING NUMBER GT-1

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/12/12 **COMPLETED** 9/12/12
GROUND ELEVATION 10624.68 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 4" Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	50	10-24-22-26 (46)				Orangeish brown clay with gravel, slightly moist
10	SS	100	4-11-12-14 (23)	MC = 27% LL=39, PI=16	CL		LEAN CLAY, (CL) 1 % gravel, 43 % sand, 56 % fines
							Hard orangeish brown clay, slightly moist
15	SS	83	9-13-19-23 (32)				Hard orangeish brown clay with trace gravel, slightly moist
20	SS	92	6-14-32-35 (46)				Hard orangeish brown clay with trace gravel, slightly moist
25	SS	88	6-12-27-33 (39)				Hard orangeish brown silty clay with trace gravel, slightly moist
30	SS	100	7-20-30-50/3"				Pinkish tan clayey silt with trace gravel, slightly moist
35	SS	100	25-30-32-44 (62)				Orangeish brown silty clay with gravel, dry

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HDR

BORING NUMBER GT-1

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40	SS	100	7-13-14-22 (27)				Hard orangeish brown clay with trace gravel
45	SS	100	15-50	MC = 18% LL=27, PI=9	CL		LEAN CLAY, (CL) 9 % gravel, 38 % sand, 53 % fines
							Brown clay, slightly moist
50	SS	100	10-50				Brown clay with trace sand and gravel, slightly moist
55	SS	100	5-23-50/2"				Brown clay with trace sand and gravel, slightyly moist
60	SS	100	9-17-20-23 (37)				Orangeish brown clay, dry
65	SS	100	7-12-22-24 (34)				Orangeish brown clay, dry
70	SS	100	9-24-50/4"				Orangeish brown clay, dry

Bottom of borehole at 70.3 feet.

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HDR

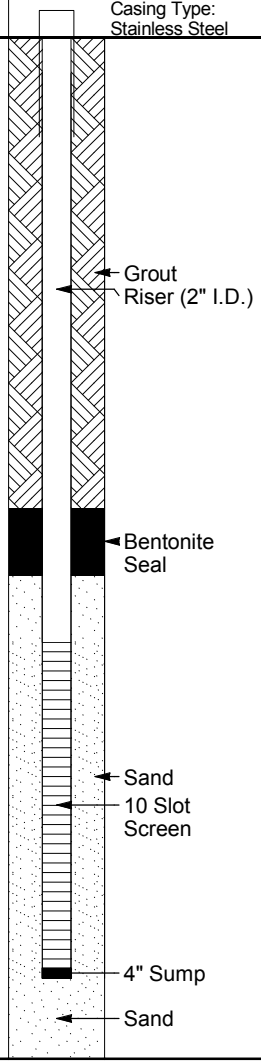
WELL NUMBER GT-2

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/12/12 **COMPLETED** 9/12/12
GROUND ELEVATION 10636.65 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	67	24-23-27-22 (50)	MC = 9% LL=24, PI=12	CL		LEAN CLAY, (CL) 6 % gravel, 40 % sand, 54 % fines
							Hard orangeish brown clay with sand and gravel, slightly moist
10	SS	83	10-12-13-22 (25)				Orangeish brown clay with trace gravel, dry
15	SS	50	4-9-18-19 (27)				Orangeish brown clay with trace gravel, slightly moist
							Pinkish tan clayey silt, slightly moist
20	SS	100	8-30-50/2"	MC = 17% LL=39, PI=18	SC		CLAYEY SAND, (SC) 37 % gravel, 16 % sand, 47 % fines
							Pinkish tan clayey silt with trace gravel, slightly moist
25	SS	100	19-50/1"				Pinkish tan clayey silt with trace gravel, slightly moist
30	SS	100	10-25-50/5"				Orangeish brown silty clay with trace gravel, slightly moist

Bottom of borehole at 30.4 feet.

WELL DIAGRAM



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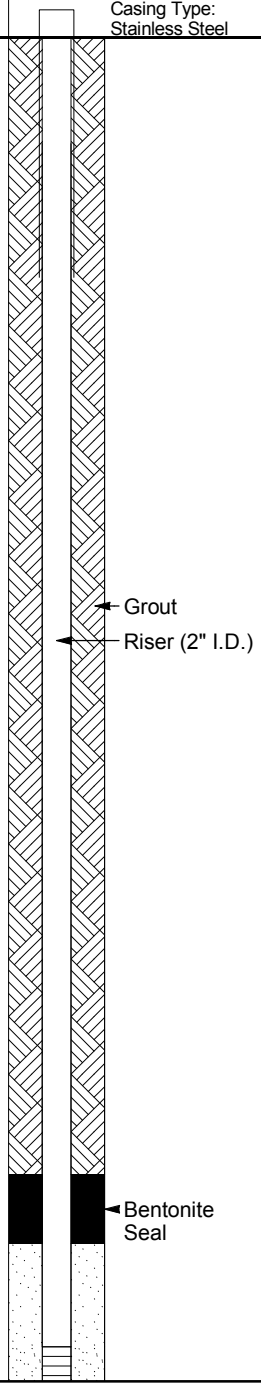
HDR

WELL NUMBER GT-3

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/11/12 **COMPLETED** 9/11/12
GROUND ELEVATION 10647.59 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	58	15-21-36-20 (57)				Orangeish brown gravelly clay with sand, slightly moist
10	SS	100	6-12-20-17 (32)	MC = 23% LL=50. PI=28	CH		FAT CLAY, (CH) 2 % gravel, 10 % sand, 88 % fines
							Hard tan silt with trace gravel
15	SS	100	5-6-8-10 (14)				Pinkish tan silt
20	SS	100	8-12-18-19 (30)				Hard orangeish brown clay with sand and gravel, slightly moist
25	SS	83	16-50				Orangeish brown clay with sand and gravel, slightly moist
							Pinkish tan silt
							Orangeish brown clay with sand and gravel, slightly moist
30	SS	100	22-25-35-44 (60)				Pinkish tan silt, dry
35	SS	100	50				Orangeish brown clay, dry

WELL DIAGRAM



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HDR

WELL NUMBER GT-3

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
40	SS	100	15-19-50/5"	MC = 18% NP	SM		SILTY SAND, (SM) 14 % gravel, 43 % sand, 43 % fines	
							Orangeish brown silty clay with trace gravel, dry	Sand; 10 Slot Screen
45	SS	100	50/5"				Orangeish brown silty clay with trace gravel, dry	4" Sump; Sand
50	SS	100	10-50				Orangeish brown silty clay with trace gravel, dry	

Bottom of borehole at 51.0 feet.

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HDR

BORING NUMBER GT-4

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/16/12 **COMPLETED** 8/16/12
GROUND ELEVATION 10650.5 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 4" Auger/2" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	39	9-12-7 (19)				White silty sandy gravel with some brown clay, fine to coarse gravel and sands, large rocks
10	SS	67	8-9-6 (15)	MC = 11% NP	GM		SILTY GRAVEL, (GM) 57 % gravel, 23 % sand, 26 % fines White/brown slity gravel, medium to coarse, subangular to subrounded, increase in gravels near base
15	SS	67	20-22-10 (32)				White/brown slity gravel, medium to coars, subangular to subrounded
20	SS	100	7-15-12 (27)				Sandy silty gravel/gravelly sandy silt, white, pinkish tan, light brown, fine to very coarse gravels, rocks, very fine to fine sand (subrounded)
25	SS	44	12-35-32 (67)				Same as above, rock fragment rhyolite? glassy
30	SS	94	17-26-33 (59)				Same as above
35	SS	56	27-18-10 (28)				White silty gravel Gravelly silt with sand, gravels (glassy bluish color) subangular medium to very coarse grained
40							

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HDR

BORING NUMBER GT-4

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40	SS	89	12-13-14 (27)				Brownish pink/white sandy silty gravel, fine to coarse gravels, very fine to fine grained sands
45	SS	94	8-14-18 (32)				White/brownish pink sandy silt
50	SS	100	11-17-26 (43)				Brown clay (top of spoon), wet near top, brown silty clay
55	SS	11	25-23-23 (46)				Brown silty clay to clayey silt
60	SS	89	13-17-36 (53)				Brown silty clay to clayey silt
65	SS	100	19-21-26 (47)				Brown silty clay to clayey silt, dry
	SS	100	13-19-23 (42)				Brown silty clay to clayey silt

Bottom of borehole at 69.5 feet.

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HDR

BORING NUMBER GT-5

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/22/12 **COMPLETED** 8/23/12
GROUND ELEVATION 10650.47 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 4" Auger/2" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	100	10-22-28-26 (50)				Brown clay with few gravels Gray silty cobbly gravel Light brown gravelly sandy silt, fine to coarse gravel, fine sand
10	SS	71	5-16-17-19 (33)	NP	SM		SILTY SAND, (SM) 1 % gravel, 50 % sand, 49 % fines Gray silt, dry, little oxide staining, light brown near base
15	SS	42	23-50				Light tan silty cobbly gravel, fine to coarse gravels, subrounded gravels
20	SS	75	6-8-9-18 (17)	NP	SM		SILTY SAND, (SM) 24 % gravel, 39 % sand, 37 % fines Silt with some fine sand, alternating layer of white and reddish brown, dry, hard
25	SS	100	11-23-25-25 (48)				Light brown silt with white patches/streaks, few gravels (1%)
30	SS	100	11-22-32-35 (54)				Same as above
35	SS	100	6-25-50 (75)				Same as above
40							

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HDR

BORING NUMBER GT-5

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40							
	SS	100	20-34-40-47 (74)				Hard brown silt, dry, concretionary balls of silt in a silt matrix
45							
	SS	92	14-25-32-41 (57)				Brown silt
							Brown/white silt, mottled
50							
	SS	100	8-17-20-44 (37)				Brown silt, slightly moist to dry
55							
	SS	100	12-18-31-46 (49)				Brown silt, slightly moist to dry
							Whiteish brown silt, slightly moist to dry
							Hard layer of whiteish clacareous silt, appears gravel like
60							
	SS	100	34-50/5"				Brown with some white gravelly silt, coarse angular gravels (gravels 10%)
65							
	SS	100	15-32-50/5"				Brown silt, slightly moist
70							
	SS	100	25-50				Brown silt, dry
75							
	SS	78	14-28-38-50/5"				Brown silt, dry
80							
	SS	100	20-37-50/5"				Brown silt, slightly moist
85							
	SS	100	21-50/5"				Brown silt, slightly moist

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HDR

BORING NUMBER GT-5

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
							Brown silt, slightly moist *(continued)*
90	SS	67	16-42-50 (92)				Sand with some silt, fine to medium grained, predominantly quartz, feldspar, some mafic, subangular to subrounded gravels, well sorted, brown, dry to slightly moist

Bottom of borehole at 90.0 feet.

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HDR

BORING NUMBER GT-6

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/23/12 **COMPLETED** 8/24/12
GROUND ELEVATION 10648.9 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 4" Auger/2" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	78	14-27-50 (77)	MC = 8% NP	GM		SILTY GRAVEL, (GM) 39 % gravel, 25 % sand, 36 % fines Gravelly cobbly silt, fine to coarse angular gravels
10	SS	40	50/5"				Light brown silty to cobbly gravels, dry, fine to coarse gravels, angular gravels, subrounded cobbles
15	SS	71	15-28-29-27 (57)				Light tan silty cobbly gravels, dry, fine to coarse gravels, subangular
20	SS	100	50/5"				
25							
30	SS	100	40-45-50/5"				Brown silt, dry
35	SS	0	50/4"				
40							

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CLIENT EPA **PROJECT NAME** California Gulch
PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40							
	SS	82	14-35-50/5"				Brown silt, dry *(continued)*
45							
	SS	100	16-20-27-34 (47)				Brown/white calcareous silt
50							
	SS	94	14-30-50 (80)				
55							
	SS	100	11-16-20-27 (36)				Brown silt, dry
60							
	SS	100	50/3"				Brown silt, dry, hard consolidated silt layer in shoe
							Brown silt, dry
65							
	SS	100	19-29-50 (79)				Brown silt, dry, silt concretionary masses (gravel like), hard
70							
	SS	100	22-50/3"				Brown silt, dry to slightly moist
75							
	SS	88	14-28-50/4"				
80							
	SS	100	18-14-50/5"				
85							
							Brown silt, dry, hard layers, slightly calcareous

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CLIENT EPA **PROJECT NAME** California Gulch
PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
	SS	91	16-29-39-50/4"				Brown silt, dry, hard layers, slightly calcareous *(continued)*
90							
	SS	100	20-37-50/5"				

Bottom of borehole at 91.4 feet.

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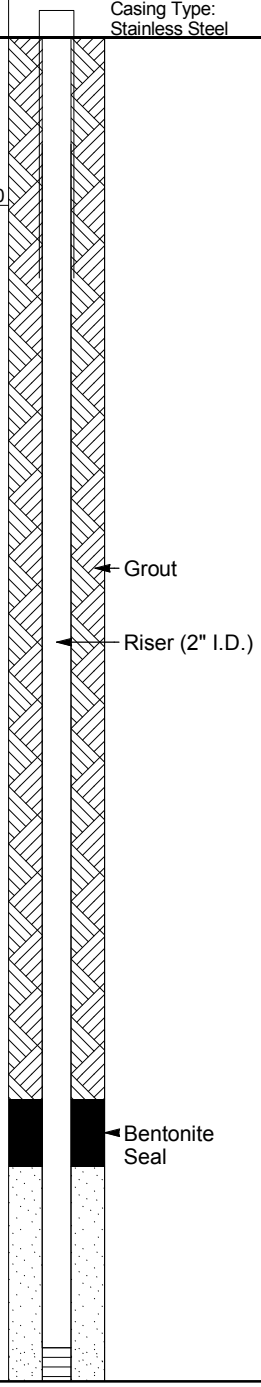
HDR

WELL NUMBER GT-7

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/27/12 **COMPLETED** 8/28/12
GROUND ELEVATION 10646.97 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5							5.0 10642.0
	SS	83	7-11-9-10 (20)				Silt with sand and gravel, some moisture Silt with sand and gravel, dry
10	SS	75	5-12-22-20 (34)	MC = 25% NP	ML		SILT WITH SAND, (ML) 0 % gravel, 29 % sand, 71 % fines Orangish brown silt, slightly moist
15	ST						
	SS	100	12-13-19-20 (32)				tan silt with trace gravel, slighlty moist
20	SS	75	10-16-21-24 (37)	NP	ML		SANDY SILT, (ML) 0 % gravel, 39 % sand, 61 % fines light grey silt, slightly moist
25	SS	60	50/5"				Orangeish brown silt with trace gravel, slightly moist
30	SS	92	9-15-25-30 (40)				Orangeish brown silt with trace gravel, slightly moist
35	SS	100	14-24-45-40 (69)				
40							

WELL DIAGRAM



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HDR

WELL NUMBER GT-7

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
40	SS	88	15-24-43-50 (67)	NP	ML		SANDY SILT, (ML) 0 % gravel, 48 % sand, 52 % fines	Sand
							Orangeish brown silt, dry	10 Slot Screen
45	SS	100	10-21-27-50 (48)				Orangeish brown silt, dry	4" Sump
50	SS	100	8-45-50-50 (95)				Orangeish brown silt, dry	Sand

Bottom of borehole at 52.0 feet.

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HDR

BORING NUMBER GT-9

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/10/12 **COMPLETED** 9/11/12
GROUND ELEVATION 10660.08 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 4" Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	75	12-13-11-16 (24)	MC = 16% LL=44, PI=26	CL		LEAN CLAY, (CL) 4 % gravel, 27 % sand, 69 % fines
							Hard orangeish brown clay with sand and gravel, slightly moist
10	SS	100	6-10-7-7 (17)				Hard orangeish brown clay with sand and gravel, slightly mosit
15	SS	100	4-9-12-12 (21)				Firm orangeish brown clay with sand and gravel, dry
20	SS	100	3-4-12-14 (16)				Hard orangeish brown clay with trace sand and gravel, moist
25	SS	100	3-7-8-8 (15)				Hard orangeish brown clay with trace sand and gravel, moist
30	ST						
35	SS	100	6-9-13-13 (22)	MC = 31% LL=46, PI=24	CL		LEAN CLAY, (CL) 0 % gravel, 15 % sand, 85 % fines
							Light tan silt, slightly moist
40	SS	92	10-18-38-33 (56)				Hard orangeish brown clay with sand and gravel, slightly moist

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HDR

BORING NUMBER GT-9

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40							Hard orangeish brown clay with sand and gravel, slightly moist *(continued)*
45	SS	100	7-13-17-19 (30)				Hard orangeish brown clay with trace gravel, slightly moist
50	SS	58	6-14-25-26 (39)				Hard orangeish brown clay with trace gravel, slightly moist, cobble at bottom of barrel
55	SS	100	14-22-20-24 (42)				Hard orangeish brown clay with trace gravel, slightly moist
60	SS	100	10-28-35-40 (63)				Orangeish brown clay, dry
65	SS	100	11-20-30-35 (50)				Orangeish brown clay, dry
70	SS	100	22-42-38-50 (80)				Orangeish brown clay, dry

Bottom of borehole at 70.0 feet.

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HDR

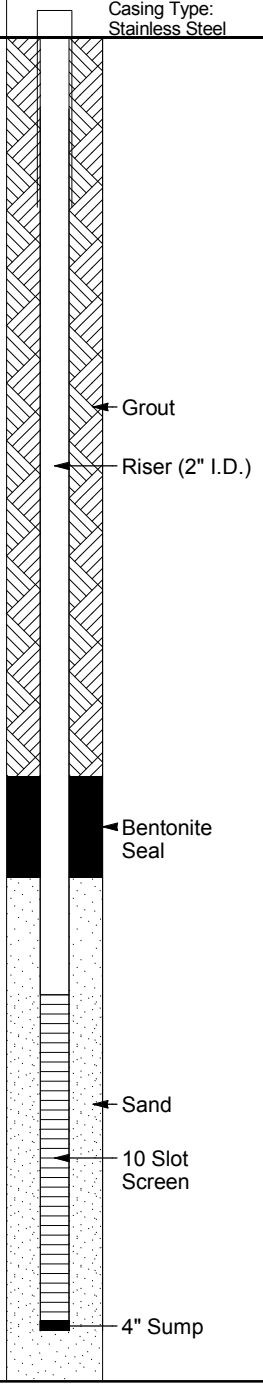
WELL NUMBER GT-10

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/30/12 **COMPLETED** 8/30/12
GROUND ELEVATION 10676.76 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	MATERIAL DESCRIPTION
0						Undefined
5	SS	71	5-11-50/5"			Hard orngeish brown sandy clay with gravel, slightly moist
10	SS	13	22-38-23-38 (61)			Lightly reddish brown gravel, dry
15	SS	100	27-50			Light brown gravel, dry Orangeish brown silt with sand and gravel, dry
20	SS	67	10-10-13-18 (23)			Orangeish brown clay with sand, slightly moist Tan gravel with orangeish brown clay and sand
25	SS	100	12-10-16-19 (26)	MC = 28% LL=62, PI=41	CH	SANDY FAT CLAY, (CH) 20 % gravel, 22 % sand, 58 % fines Hard orangeish brown clay with sand and gravel, slightly moist
30	SS	4	11-18-15-16 (33)			Orangeish brown clay with sand and gravel, slightly moist
35	SS	100	2-3-4-7 (7)	MC = 66% LL=73, PI=31	MH	ELASTIC SILT, (MH) 0 % gravel, 3 % sand, 97 % fines Firm tan clay with trace sand, moist
40						

GRAPHIC LOG

WELL DIAGRAM



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HDR

WELL NUMBER GT-10

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
40	SS	100	13-14-12-14 (26)				Firm orangeish brown clay with sand and gravel, slightly moist	Sand

Bottom of borehole at 42.0 feet.

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HDR

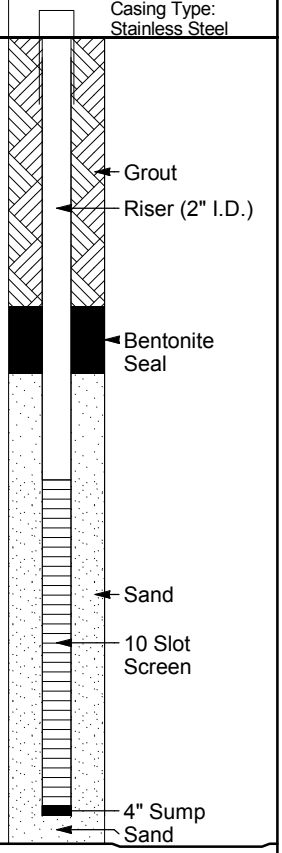
WELL NUMBER GT-11

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/30/12 **COMPLETED** 8/30/12
GROUND ELEVATION 10665.49 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	100	6-11-13-21 (24)				Hard orangeish brown clay with sand and gravel, slightly moist
10	SS	88	3-8-7-24 (15)	MC = 15% LL=27, PI=14	CL		LEAN CLAY, (CL) 5 % gravel, 45 % sand, 50 % fines Firm orangeish brown clay with sand, slightly moist
							Coarse gravel
							Firm orangeish brown clay with sand, slightly moist
15	SS	46	10-15-15-11 (30)	LL=40, PI=24	SC		CLAYEY SAND, (SC) 32 % gravel, 42 % sand, 26 % fines
							Firm orangeish brown clay with sand and gravel, slightly moist
20	SS	100	2-3-5-5 (8)	MC = 29% LL=39, PI=21			Firm oranegish brown clay with trace sand, moist
					CL		SANDY LEAN CLAY, (CL) 3 % gravel, 20 % sand, 77 % fines

Bottom of borehole at 24.0 feet.

WELL DIAGRAM



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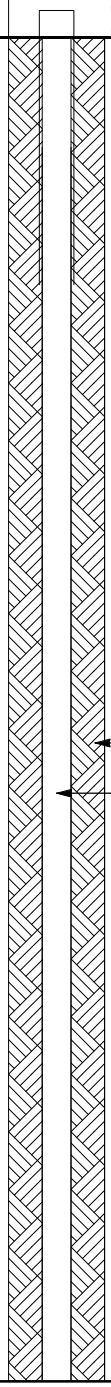
HDR

WELL NUMBER GT-12

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/28/12 **COMPLETED** 8/29/12
GROUND ELEVATION 10680.68 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	100	6-9-14-14 (23)	MC = 13% LL=33, PI=18	SC		CLAYEY SAND, (SC) 20 % gravel, 35 % sand, 45 % fines
							Orangeish brown clayey silt with sand and gravel, slightly moist
10	SS	38	6-9-10-10 (19)				Orangeish brown clayey silt with sand and gravel, slightly moist
15	SS	100	8-14-16-16 (30)	LL=43, PI=28	SC		CLAYEY SAND, (SC) 34 % gravel, 49 % sand, 17 % fines
							Brown silty sand with gravel, slightly moist
20	SS	88	5-5-11-11 (16)				Orangeish brown silty clay with trace sand and gravel, slightly moist
25	SS	100	3-6-6-5 (12)				Orangeish brown clay with trace sand and gravel, slightly moist
30	SS	71	22-33-50/5"				Orangeish brown clay with trace sand and gravel, slightly moist
							Light brown gravel with sand, dry
							Orangeish brown clay with trace sand and gravel, slightly moist
35	SS	100	27-16-22-32 (38)	NP	SM		SILTY SAND, (SM) 18 % gravel, 59 % sand, 23 % fines
							Orangeish brown clay with sand and gravel, slightly moist
40							

WELL DIAGRAM



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HDR

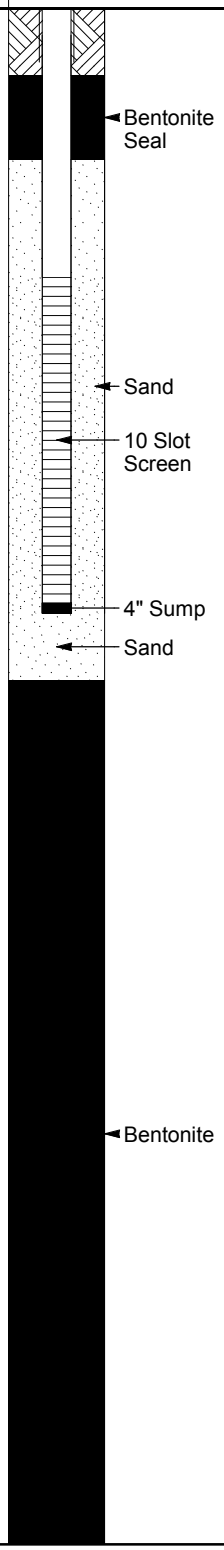
WELL NUMBER GT-12

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40	SS	100	6-6-12-13 (18)				Firm orangish brown clay with trace sand and gravel, slightly moist
45	SS	100	3-6-6-5 (12)	MC = 31% LL=44, PI=24	CL		LEAN CLAY, (CL) 0 % gravel, 6 % sand, 94 % fines Soft to firm orangeish brown clay with trace sand and gravel, moist
50	SS	100	7-7-9-12 (16)				Firm orangeish brown clay with trace sand, moist
55	SS	100	2-3-5-7 (8)				Firm orangeish brown clay with trace sand, moist
60	SS	100	12-25-50/2"				Orangeish brown clay with sand and gravel, significant amount of white completely weathered rock, slightly moist
65	SS	100	6-17-23-45 (40)				Hard orangeish brown clay with sand and gravel, with white completely weathered rock, slightly moist
70	SS	100	50/2"				Hard orangeish brown clay with trace sand and gravel, slightly moist
75	SS	50	21-23-35-40 (58)				Brown gravel with sand and clay, some white completely weathered rock, slightly moist
80	SS	100	18-21-21-30 (42)				Firm orangeish brown clay with sand and gravel, some completely weathered white rock, slightly moist
85							Hard orangeish brown clay, slightly moist

WELL DIAGRAM



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HDR

CLIENT EPA **PROJECT NAME** California Gulch
PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
	SS	100	7-10-10-10 (20)				Hard orangeish brown clay, slightly moist *(continued)*	

Bottom of borehole at 87.0 feet.

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HDR

BORING NUMBER GT-13

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/31/12 **COMPLETED** 8/31/12
GROUND ELEVATION 10678.56 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY JEC **CHECKED BY**
AT END OF DRILLING ---
NOTES 4" Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	71	10-12-9-9 (21)				White gravel with clay and sand, reddish brown clay, slightly moist, firm
10	SS	100	3-5-6-8 (11)	MC = 13% LL=40, PI=25	SC		CLAYEY SAND, (SC) 11 % gravel, 51 % sand, 38 % fines Firm reddish brown sandy clay with trace gravel, moist
15	SS	71	5-7-5-6 (12)				Firm reddish brown clay with sand and trace gravel, moist
20	SS	100	8-10-14-15 (24)				Soft to firm reddish brown sandy clay, slightly moist Orangeish tan silty sand with clay and gravel, slightly moist
25	SS	92	8-12-12-15 (24)				Light tannish brown silt with sand, dry Sand with clay and gravel, medium to fine grained, angular
30	SS	100	3-5-7-9 (12)				Silt with clay Soft reddish brown clay, moist Clay with sand and gravel
35	SS	100	3-6-15-16 (21)				Soft to firm reddish brown clay with trace sand, moist Tannish brown silty sand, dry, coarse to fine grained, well graded
40							

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HDR

BORING NUMBER GT-13

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40							
	SS	78	8-21-25 (46)				Soft dark reddish brown clay, moist Sand with gravel and silt, medium to fine grained, angular sand particles
45							
	SS	100	4-8-9-11 (17)				Firm dark reddish brown clay with gravel and sand, slightly moist
50							
	ST						
52.0							10626.6

Bottom of borehole at 52.0 feet.

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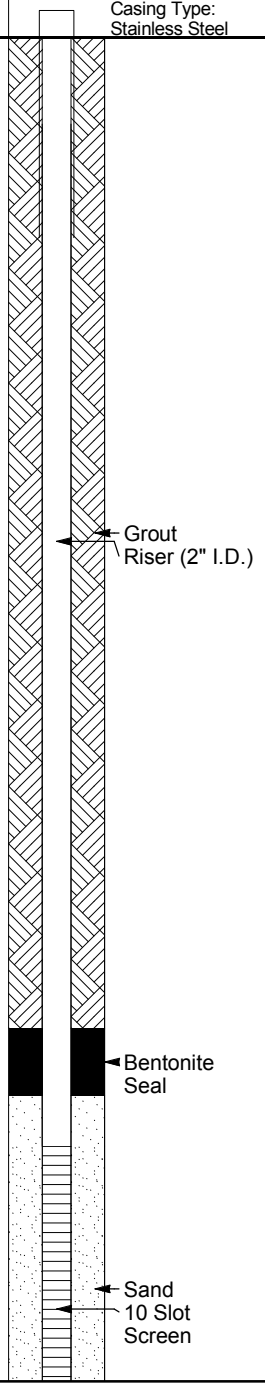
HDR

WELL NUMBER GT-14

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/10/12 **COMPLETED** 9/10/12
GROUND ELEVATION 10669.04 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	63	22-22-24-50 (46)	MC = 7% LL=35, PI=21	SC		CLAYEY SAND, (SC) 31 % gravel, 43 % sand, 26 % fines
							Orangeish brown clay with sand and gravel, slightly moist
10	SS	71	10-12-20-20 (32)				Orangeish brown clay with sand and gravel, slgithly moist
15	SS	83	13-26-16-12 (42)				Hard orangeish brown clay with sand and gravel, slightly moist
20	SS	100	13-20-30-33 (50)				Hard orangeish brown clay with sand and gravel, slightly moist
25	SS	100	23-35-50/4"				Orangeish brown clayey sand with gravel, slightly moist
30	SS	100	13-37-50/2"				Orangeish brown clayey sand with gravel, slightly moist
35	SS	100	41-50/5"	MC = 10% NP	SM		SILTY SAND, (SM) 20 % gravel, 54 % sand, 26 % fines
							Orangeish brown clayey sand with gravel, slightly moist
40	SS	100	16-50/3"	MC = 6% LL=28, PI=15	SC		CLAYEY SAND, (SC) 10 % gravel, 61 % sand, 29 % fines

WELL DIAGRAM



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HDR

WELL NUMBER GT-14

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
40							Orangeish brown clay with sand and gravel, slightly moist	
	SS	91	40-50/5"				Firm orangeish brown clay with sand and gravel, moist, unable to drill past 43.4'	4" Sump Sand

Refusal at 43.4 feet.
Bottom of borehole at 43.4 feet.

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HDR

BORING NUMBER GT-15

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/7/12 **COMPLETED** 9/7/12
GROUND ELEVATION 10710.36 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 4" Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	100	17-15-17-17 (32)				Hard orangeish brown clay with sand and gravel, dry
10	SS	67	13-14-20-22 (34)	MC = 8% LL=30, PI=17	SC		CLAYEY SAND, (SC) 5 % gravel, 49 % sand, 46 % fines
							Hard light brown clay with sand and gravel
15	SS	100	7-8-12-12 (20)				Hard orangeish brown clay with sand and gravel, dry
20	SS	50	4-13-26-22 (39)				Hard orangeish brown clay with sand and gravel, slightly moist
25	SS	100	10-38-50 (88)				Hard orangeish brown clay with sand and gravel, slightly moist
30	SS	100	16-33-50/3"				Hard orangeish brown clay with sand and gravel, slightly moist
35	SS	100	30-40-39-23 (79)				Hard orangeish brown clay with sand and gravel, slightly moist

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HDR

BORING NUMBER GT-15

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40	SS	88	5-41-37-33 (78)				Hard orangeish brown clay with sand and gravel, slightly moist
45	SS	100	14-33-50 (83)				Hard orangeish brown clay with sand and gravel, slightly moist
50	SS	100	7-24-31-30 (55)				Hard orangeish to reddish brown clay with sand and gravel, slightly moist
55	SS	100	7-14-50 (64)				Hard reddish brown clay with trace sand and gravel, slightly moist
60	SS	100	4-8-10-15 (18)				Hard reddish brown clay with trace sand, moist
65	SS	0					
70	SS	100	19-29-44-50/4"				Orangeish brown clay with sand and gravel, slightly moist

Bottom of borehole at 71.0 feet.

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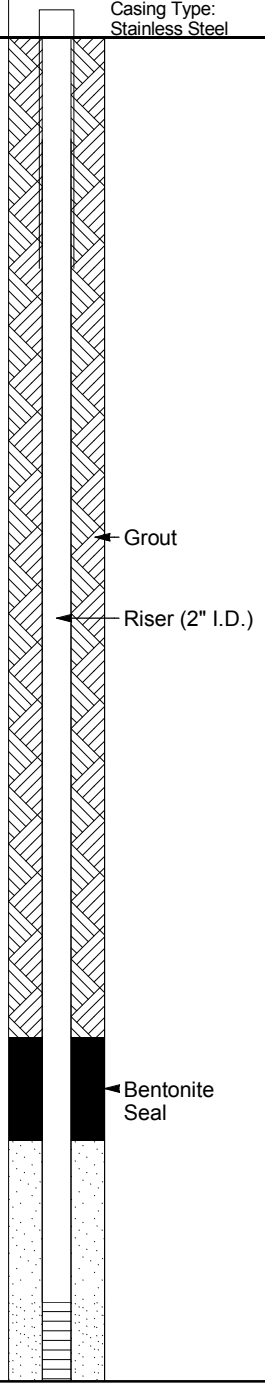
HDR

WELL NUMBER GT-16

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/30/12 **COMPLETED** 8/30/12
GROUND ELEVATION 10713.14 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	100	10-15-50/4"				Hard orangeish brown clay with sand, dry
10	SS	100	7-10-33-33 (43)	NP	GM		SILTY GRAVEL, (GM) 47 % gravel, 37 % sand, 16 % fines
							Orangeish brown clayey sand with gravel, slightly moist
15	SS	0					
20	SS	100	17-35-31-33 (66)	NP	GM		SILTY GRAVEL, (GM) 73 % gravel, 15 % sand, 12 % fines
							Sandy coarse grained gravel with clay, slightly moist
25	SS	100	10-22-26-35 (48)				Clayey sand with gravel, slightly moist
30	SS	100	11-23-29-50/5"				Silt with sand and gravel, slightly moist, appears as decomposed rock
35	SS	100	20-50/5"				Silt with sand and gravel, slightly moist, appears as decomposed rock

WELL DIAGRAM



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HDR

WELL NUMBER GT-16

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
40	SS	100	16-32-50/5"	MC = 13% NP	SM		SILTY SAND, (SM) 0 % gravel, 57 % sand, 43 % fines	Sand
							dense light gray to white silt with sand and gravel, dry, some sub vertical discontinuities with thin clay coating, possibly tuff, refrusal at 44.6, split spoon barrel broke off at 44.6. Augered to 50' barrel could not be retreived, hole open to 47'	10 Slot Screen
45	SS	0						4" Sump

Refusal at 44.6 feet.
Bottom of borehole at 47.0 feet.

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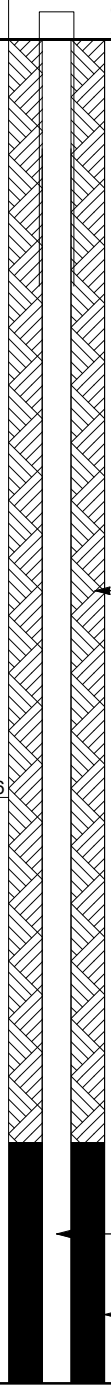
HDR

WELL NUMBER GT-17

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/4/12 **COMPLETED** 9/6/12
GROUND ELEVATION 10713.56 ft **HOLE SIZE** 3 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon/NQ Wireline/2", 5' Core Barrel
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	100	10-14-27-19 (41)	MC = 11% LL=31, PI=17	SC		CLAYEY SAND, (SC) 31 % gravel, 51 % sand, 18 % fines
							Hard orangeish brown clay with sand and gravel, dry
10	SS	100	16-16-50 (66)				Hard orangeish brown clay with sand and gravel, slightly moist
15	SS	100	13-24-24-38 (48)				Orangeish brown clayey sand with gravel, slightly moist White silt with sand and gravel, decomposed rock, dry
20	SS	100	50/5"				
							22.0 10691.6
	RC 1	100 (92)					TUFF, white, fine-grained, texture not discernable, hard, no reaction to HCL - 22-24, slightly weathered, sub horizontal fractures, closely to moderately spaced, slightly rough, partially covered with think black mineral (possibly manganese), Fe staining at fractures - 22.7, 60 degree fracture
25	RC 2	67 (38)		25.5-27, Water pressure spiked, assumed soft material, drilling was easier			- 24-25.5, fractures closely spaced, from 45-60 degrees, smooth to slightly rough, partially covered with very to moderately thin black mineral, Fe staining
30	RC 3	67 (42)		Water pressure spikes were sporatic			- 28.1-29, moderately weathered, 75 degree fracture, covered with very thin black mineral, some Fe staining - 29-34, 0.6-ft section, intensely weathered, 0.4-ft section, decomposed, brown and black with a little dark green, 1.2-ft section, tight 75 degree fracture, moderately thin brown clay filling, Fe oxide staining, some vertical and some sub-horizontal to 15 degree fractures, 1.5-ft section, intensely fractured, moderately thin brown clay filling, Fe staining, some sub-horizontal to 15 degree fractures
35	RC 4	100 (35)					

WELL DIAGRAM



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CLIENT EPA **PROJECT NAME** California Gulch
PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
40	RC 5	55 (0)					- 34-39, intensely to moderately weathered, Fe oxide staining continues, moderately to intensely fractured, fractures vary from 15 degrees to vertical, slightly rough, very thin black mineral filling - 39-44, fractures vary from 35 degrees to subvertical	Sand
45	RC 6	100 (53)					- 44-47.4, slightly to moderately weathered, closely to moderately spaced fractures, range from sub-horizontal to sub-vertical, smooth to slightly rough - 47.4 to 52, intensely to moderately weathered, very intensely fractured	
50	RC 7	100 (8)					- 52-54, very intensely to intensely fractured	
55	RC 8	87 (63)					- 54-55.5, slightly to moderately weathered, moderately spaced fractures, 25-40 degrees, Fe oxide staining reduced (may be clay from decomposed rock) - 55.5-59, moderately to intensely weathered, intensely to very intensely fractured, slight Fe staining, 25-40 degrees	Riser (1" I.D.) (No Sand Pack)
60	RC 9	83 (50)					- 59-62, very intensely fractured - 62-64, moderately fractured, slightly weathered - 62.8, 25 degree fracture, very thin black filling	
65	RC 10	100 (90)					- 63.2, 20 degree fracture, clean - 63.7, 85 degree fracture, moderately thin black mineral filling - 64-74, slightly to moderately weathered, intensely to moderately fractured, subset of fractures 50-75 degrees, a few sub-horizontal fractures, slightly rough, very to moderately thin black mineral filling, some Fe staining	
70	RC 11	100 (68)					- 67-69, sub-vertical fracture	
75	RC 12	100 (55)					- 74-79, subset of fractures 25-40 degrees - 74.5-75.4, sub-vertical fracture - 77.4-78.6, sub-vertical fracture	
80	RC 13	100 (100)						10 Slot Screen (No

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HDR

CLIENT EPA **PROJECT NAME** California Gulch
PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	TESTS AND REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
85	RC 14	100 (87)					- 79-84, slightly weathered, moderately to slightly fractured, slightly rough - 80.1, 50 degree fracture - 81.5, 10 degree fracture - 81.9, 60 degree fracture - 82.8, 50 degree fracture - 83.5, 10 degree fracture *(continued)*	Sand Pack)
90	RC 15	100 (70)					- 84-93, slightly to moderately weathered, moderately fractured, Fe staining continues, subset of fractures sub-horizontal to 15 degrees. - 84-89, sub-vertical fracture, very thin black mineral filling, moderately thin Fe stained clay filling - 84.7, 60 degree fracture, very thin black mineral filling	
95	RC 16	100 (68)					- 93-94, intensely weathered, heavy Fe oxide staining, very intensely fractured - 94-99, slightly weathered, intensely to moderately fractured, minimal Fe staining, subset of 60-70 degree fractures, subset of sub-horizontal to 20 degree fractures, very thin to moderately thin black mineral filling	
100	RC 17	100 (83)					- 99-104, subset of sub-horizontal fractures - 102.3-103.5, sub-vertical fracture - 103.5-103.7, very intensely fractured	Sump (1" I.D.) (No Sand Pack)
105	RC 18	100 (75)					- 104-109, Intensely to moderately fractured, subset of horizontal to 25 degree fractures, subset of 40-60 degree fractures - 105.2-106.7, sub-vertical fracture	
110	RC 19	100 (65)					- 109-113, intensely to moderately fractured, subset of 15-25 degree fractures, subset of 60-70 degree fractures, Fe staining continues - 110.4-111.2, sub-vertical fracture - 113-114, moderately to intensely weathered, very intensely fractured	
115	RC 20	100 (75)					- 114-116.5, slightly weathered, intensely fractured, fractures vary from sub-horizontal to sub-vertical - 116.5-117.3, intensely weathered - 117.3-119, slightly weathered, fractures from 25-45 degrees, slight Fe oxide staining	Collapsed Material

Bottom of borehole at 119.0 feet.

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HDR

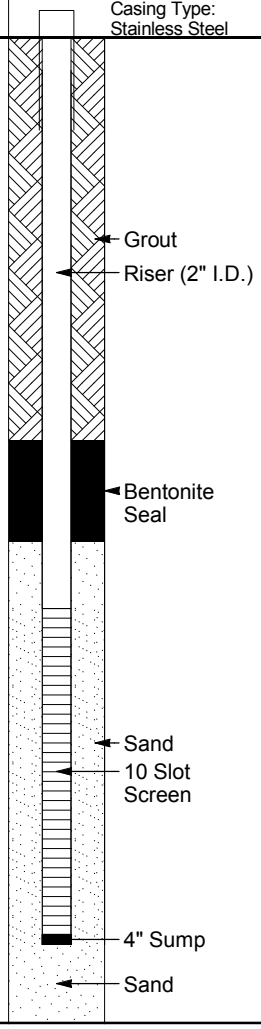
WELL NUMBER GT-18

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 9/6/12 **COMPLETED** 9/6/12
GROUND ELEVATION 10705.99 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY DJI **CHECKED BY**
AT END OF DRILLING ---
NOTES 8" Hollow Stem Auger/3" Split Spoon SPT
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	100	8-5-8-16 (13)				Hard orangeish brown clayey sand with gravel, slightly moist
10	SS	100	12-17-12-12 (29)	MC = 12% NP	SM		SILTY SAND, (SM) 0 % gravel, 71 % sand, 29 % fines
							White and orangeish brown clayey silt with sand and gravel, slightly moist, appears as decomposed rock
15	SS	100	7-11-16-15 (27)				White gravel with sand and orangeish brown clay, slightly moist, appears as intensely weathered rock with clay intermixed
20	SS	100	26-50/4"				White gravel with sand and orangeish brown clay, slightly moist, appears as intensely weathered rock with clay intermixed
25	SS	100	14-30-41-40 (71)	MC = 7% LL=27, PI=14	GC		CLAYEY GRAVEL WITH SAND, (GC) 65 % gravel, 19 % sand, 16 % fines
							White gravel with sand and orangeish brown clay, slightly moist, appears as intensely weathered rock with clay intermixed
	SS	100	25-37-50/4"				White gravel with sand and orangeish brown clay, slightly moist, appears as intensely weathered rock with clay intermixed

Bottom of borehole at 29.3 feet.

WELL DIAGRAM



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HDR

BORING NUMBER NMB-1

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/13/12 **COMPLETED** 8/13/12
GROUND ELEVATION 10653.82 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 3" Split Spoon/2" Split Spoon
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION
0					Undefined
5					
	SS	50	2-3-2-2 (5)		Gravelly clayey silt to gravelly clay, yellow orange brown, fine to medium grained gravels, moist
10	SS	50	1-2-2-3 (4)		
	SS	88	2-2-2-2 (4)		Gravelly clay, black, gray, yellow orange to white, pyrite, fine to coarse gravel
15	SS	17	1-2-2-3 (4)		Gravelly clay, clayey gravel, brown yellow orange, moist to wet, wood fragments
	SS	100	2-8-9-7 (17)		Gravelly clayey silt, white orange brown, large gravels
20	SS	17	5-8-6-5 (14)		Gravelly silt, silty gravel, light tan, yellow, angular gravels, slag at 21.5, black, dark brown, orange, large rocks
	SS	83	4-4-7-4 (11)		Gravelly clay, fine to coarse gravels, yellow orange
25	SS	63	21-14-16-14 (30)		Silty sandy gravel, medium to fine sands, fine to coarse angular gravel, light to medium tan
	SS	100	19-19-50/2"		
30	SS	75	5-13-19-15 (32)		Clayey gravel, fine to coarse gravel, dark brown, angular gravels, large rocks
35	SS	100	7-15-50 (65)		Silty gravel with sand, large rocks, medium to coarse gravels, light brown
40	SS	73	15-50/5"		Gravelly silty sand, mottled, light tan, brown, white, iron oxide staining, trace quartz, igneous

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HDR

BORING NUMBER NMB-1

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	GRAPHIC LOG	MATERIAL DESCRIPTION
					sedimentary rocks

Bottom of borehole at 40.9 feet.

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HDR

BORING NUMBER NMB-2

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/20/12 **COMPLETED** 8/21/12
GROUND ELEVATION **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD 5' Split Barrel Core Samplers
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						Clayey silty sand with some gravel, fine to medium sands and gravels, grayish color (top 2'2"), yellow gray, white near bottom, subrounded to subangular sands, gravels, quartz, mica, poorly sorted
5		63				
		81				Silty clayey gravelly sand, yellow, gray, white, some pyrite Silty clayey gravelly sand, dark brown orange, some pyrite
10			MC = 15% LL=20, LL=7			SIlty clayey gravelly sand, light yellow, dark orange, quartz, subrounded to subangular gravel and sands, fine to coarse gravels, cobbles, large rocks, iron oxide staining
				SC		CLAYEY SAND, (SC) 5 % gravel, 61 % sand, 34 % fines
		69				SIlty clayey gravelly sand, light yellow, dark orange, quartz, subrounded to subangular gravel and sands, fine to coarse gravels, cobbles, large rocks, iron oxide staining Silty clayey gravelly sand, medium to dark brown, light and dark orange, white, wood fragments, pyrite in upper 6" and lower 6" of core, subangular to angular sands and gravels, poorly sorted, fine to very coarse sands and gravels, few rocks and cobbles
15						
		52				Gravelly sand, some silt and clay, reddish brown, cobble size gravels, wood fragments, mica, quartz, subangular fine to very coarse sands
20						Sandy gravel, cobbles, whiteish gray, iron oxide staining, subangular sands and gravels, dolomite?
				SC		CLAYEY SAND, (SC) 13 % gravel, 64 % sand, 23 % fines
		27	MC = 8% LL=17, PI=10			Silty sandy gravel, mottled, light and dark gray, reddish brown, pyrite throughout, fine to coarse, subangular to angular gravels and sands, rock near 24'
25						
		97				Sandy gravel, black, fine to coarse gravels, pyrite, quartz
30						Sandy gravel, reddish brown, dark black (slag), whiteish near base, poorly sorted, pyrite throughout
		103				Sandy gravel, light brown near top, white tan near base, fine to coarse gravels and sands, subrounded to subangular, wood at base
35						Sandy gravel, light brown, white
		120				
						Sandy silt with gravel, dark brown (Native?)
40						Sandy gravel, fine to coarse, subangular to angular gravels, sands, poorly sorted, white

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HDR

BORING NUMBER NMB-2

CLIENT EPA **PROJECT NAME** California Gulch

PROJECT NUMBER 175423 **PROJECT LOCATION** Leadville, CO

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
40						(Native?)
		107				Gravelly sand with some large cobbles, silt, fine to coarse gravels, subrounded gravels and sands, poorly sorted (Native)
45						Brown medium plastic clay, hard (Native)

Bottom of borehole at 45.0 feet.

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HDR

BORING NUMBER OMB-1

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/21/12 **COMPLETED** 8/21/12
GROUND ELEVATION 10696.82 ft **HOLE SIZE** 4 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD 5' Dry Core Sampler
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5	SS	21	5-3-2-2 (5)				Gravelly silty sand with little clay, gray, brown, iron oxide staining, pyrite throughout, cobble in shoe, fine to coarse gravels and sands, poorly graded, angular grains
		186		LL=41, PI=23	SC		CLAYEY SAND, (SC) 17 % gravel, 38 % sand, 45 % fines
		240					Gravelly silty sand with little clay, gray, brown, iron oxide staining, pyrite throughout, cobble in shoe, fine to coarse gravels and sands, poorly graded, angular grains
10							Gravelly silty clay, gray yellow, pyrite
							Gravelly clay, mottled, dark brown orange, yellow, fine to coarse gravels
15		115					Gravelly sandy silty clay, yellow orange, tan, pyrite throughout
20				MC = 10% NP			Silty sand with gravel, black, pyrite 30%
					GM		SILTY GRAVEL, (GM) 39 % gravel, 24 % sand, 37 % fines
	SS	67	12-15-11-9 (26)				Clayey silty cobbly gravel, yellow clay
25							Gravelly silty clayey sand, yellow, yellow brown, angular to subangular sands, quartz, little iron oxide staining
30	SS	79	12-28-8-10 (36)				Sandy gravel, fine to coarse angular gravels, gray (dolomite?)
							Sandy silty clay, tan, orange brown, coarsing downward into silty sand with little clay, tan, yellow brown, subrounded to subangular sands, quartz, some black slag?
35	SS	100	13-26-50/4"				Sandy clay, reddish brown, white, black, iron oxide staining, mottled, hard (Native)
40	SS	100	14-28-29-25 (57)				Gravelly sand, trace clay, coarse gravels, subrounded (mica), igneous gravels, light tan to brown fine to coarse sand (Native)

Bottom of borehole at 40.0 feet.

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HDR

BORING NUMBER OMB-2

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/22/12 **COMPLETED** 8/22/12
GROUND ELEVATION 10699.59 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD 5' Dry Core Sampler
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0						
		40				Silty sandy gravel, alternating layers of red and gray, gray intervals contain pyrite, fine to coarse gravels and sand, quartz, subangular gravels
5						
		42	NP	SM		SILTY SAND, (SM) 25 % gravel, 49 % sand, 26 % fines
		28				Sandy silty gravel, with cobbles, light tan, brown, gray, yellow brown, pyrite, quartz, fine to very coarse, subangular to angular sands and gravels, angular cobbles
10						
		72				Silty gravel, some clay, mottled, yellow orange, dark brown, black, white, iron oxide staining, fine to coarse gravels and sands, subangular gravels and sands, poorly graded
15						
		48				
20						
		38	NP	GP		POORLY GRADED GRAVEL, (GP) 84 % gravel, 11 % sand, 5 % fines
		100				Same as above, cobbles, wood Silty sand, light tan orange (Native?)
25						Sandy silty clay, hard, medium plasticity, medium brown, fine sand
		78				Silty clay, some gravels near top and bottom, brown, white, (clay section 1'2" in center)
30						
		60				Gravelly cobbly silty clayey sand, clayey gravel, brown, subrounded gravel, fine to medium sand, iron oxide staining (Native)
35						

Bottom of borehole at 35.0 feet.

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HDR

BORING NUMBER RB-1

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/15/12 **COMPLETED** 8/15/12
GROUND ELEVATION 10649.28 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 3" Split Spoon
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5				LL=31, PI=15	SC		CLAYEY SAND, (SC) 23 % gravel, 40 % sand, 37 % fines
	SS	67	5-7-10 (17)				Silty sandy clayey gravel, brown, yellow brown, reddish, white, tan, green, mottled
10	SS	75	8-13-16-14 (29)				Same as above, little pyrite, fine to coarse gravels and sands, angular to subangular, gray clay near 10' - pyrite noted
	SS	100	5-9-12 (21)				
15	SS	50	18-28-34 (62)				Silty sand with few gravels, light brown, fine to coarse grained (maybe Native Soil)
20	SS	100	15-10-18-23 (28)				Silty sand with some clay and gravel, fine to coarse sand, fine to medium gravels, brownish reddish tan, subrounded gravels, (Native glacial till)
	SS	38	6-9-10 (19)	LL=37, PI=21	SC		CLAYEY SAND, (SC) 12 % gravel, 53 % sand, 35 % fines

Bottom of borehole at 22.0 feet.

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HDR

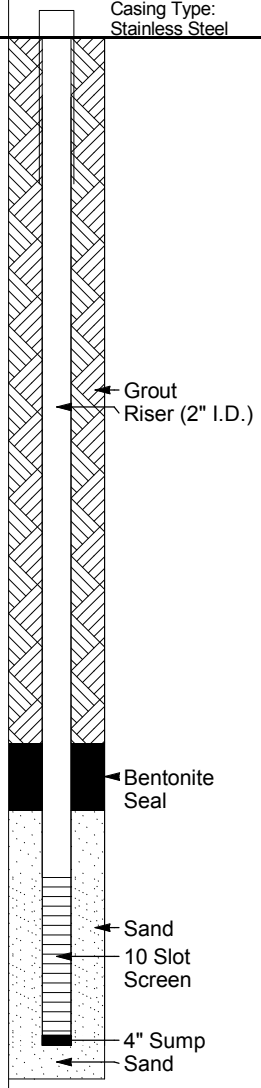
WELL NUMBER RB-2 (Mine Waste)

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/15/12 **COMPLETED** 8/15/12
GROUND ELEVATION 10651.94 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 3" Split Spoon
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5				LL=35, PI=19	SC		CLAYEY SAND, (SC) 23 % gravel, 39 % sand, 38 % fines
	SS	39	8-5-8 (13)				SIlty gravel, trace of sand and clay, fine to very coarse gravels (dolomite) dark brown (gravels-gray)
10	SS	100	5-6-8-18 (14)				Sandy silty clayey gravel, fine to coarse gravels and sands, brown (slag present at ~') reds, yellows
	SS	21	3-10-9-7 (19)				Sandy gravel near base, large cobbles/rocks, fine sand, light brown, angular grains
15	SS	89	3-4-5 (9)				Clayey gravel with some sand, medium to very coarse gravels, medium sands, dark brown, trace pyrite, angular to subrounded gravels
20	SS	67	9-26-44-36 (70)				Clayey gravel with some sand (pyrite fine to coarse), subrounded to angular gravels, igneous/metamorphic rocks, orange brown, moist, 3" of white rock, (quartzite, hard) around 20'
	SS	0	19-10-9 (19)				
25	SS	56	2-3-3 (6)	LL=40, PI=18	SC		CLAYEY SAND, (SC) 2 % gravel, 52 % sand, 46 % fines
							Silty clay with some sand, black, yellow, wood, moist
30	SS	83	3-4-5-6 (9)				Silty sandy gravel, pyrite throughout (odor-sulfur?), fine to coarse gravels, fine to medium sands, gray, yellow, white, moist, reddish angular to subangular grains
	SS	63	3-2-4-4 (6)				
35	SS	100	10-10-13 (23)				Clay with trace of sand, silt and gravel, brown to light orange brown, yellow, white, slightly moist

Bottom of borehole at 35.5 feet.

WELL DIAGRAM



GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 12/4/12 12:07 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\CALIFORNIAGULCH.GPJ

HDR

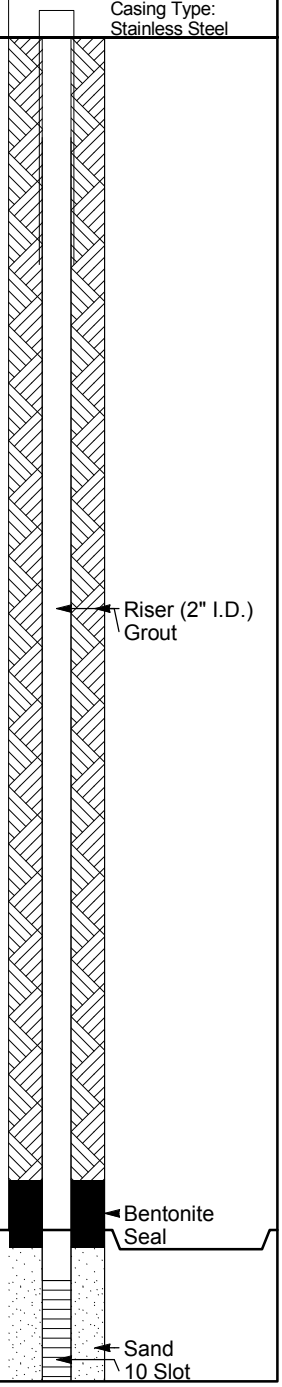
WELL NUMBER RB-2 (Soil)

CLIENT EPA
PROJECT NAME California Gulch
PROJECT NUMBER 175423
PROJECT LOCATION Leadville, CO
DATE STARTED 8/15/12 **COMPLETED** 8/15/12
GROUND ELEVATION 10651.94 ft **HOLE SIZE** 8 inches
DRILLING CONTRACTOR Terracon
GROUND WATER LEVELS:
DRILLING METHOD
AT TIME OF DRILLING ---
LOGGED BY KP **CHECKED BY**
AT END OF DRILLING ---
NOTES 3" Split Spoon
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION
0							Undefined
5				LL=35, PI=19	SC		CLAYEY SAND, (SC) 23 % gravel, 39 % sand, 38 % fines
	SS	39	8-5-8 (13)				SIlty gravel, trace of sand and clay, fine to very coarse gravels (dolomite) dark brown (gravels-gray)
10	SS	100	5-6-8-18 (14)				Sandy silty clayey gravel, fine to coarse gravels and sands, brown (slag present at ~') reds, yellows
	SS	21	3-10-9-7 (19)				Sandy gravel near base, large cobbles/rocks, fine sand, light brown, angular grains
15	SS	89	3-4-5 (9)				Clayey gravel with some sand, medium to very coarse gravels, medium sands, dark brown, trace pyrite, angular to subrounded gravels
20	SS	67	9-26-44-36 (70)				Clayey gravel with some sand (pyrite fine to coarse), subrounded to angular gravels, igneous/metamorphic rocks, orange brown, moist, 3" of white rock, (quartzite, hard) around 20'
	SS	0	19-10-9 (19)				
25	SS	56	2-3-3 (6)	LL=40, PI=18	SC		CLAYEY SAND, (SC) 2 % gravel, 52 % sand, 46 % fines
							Silty clay with some sand, black, yellow, wood, moist
30	SS	83	3-4-5-6 (9)				Silty sandy gravel, pyrite throughout (odor-sulfur?), fine to coarse gravels, fine to medium sands, gray, yellow, white, moist, reddish angular to subangular grains
	SS	63	3-2-4-4 (6)				
35	SS	100	10-10-13 (23)				Clay with trace of sand, silt and gravel, brown to light orange brown, yellow, white, slightly moist

Bottom of borehole at 35.5 feet.

WELL DIAGRAM



(Continued Next Page)

GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 12/4/12 12:07 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\CALIFORNIAGULCH.GPJ

HDR

WELL NUMBER RB-2 (Soil)

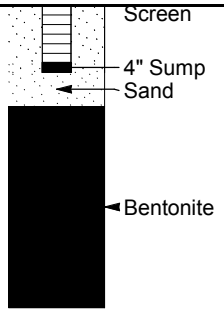
CLIENT EPA

PROJECT NAME California Gulch

PROJECT NUMBER 175423

PROJECT LOCATION Leadville, CO

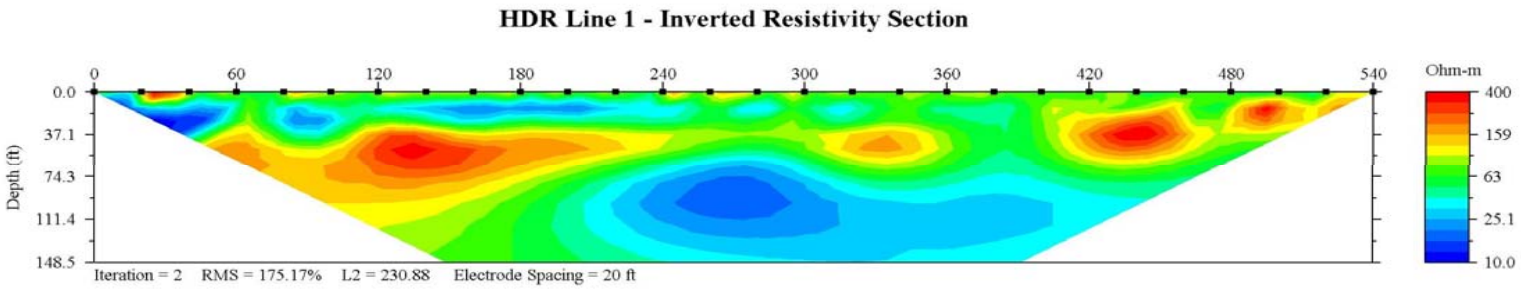
DEPTH (ft)	SAMPLE TYPE NUMBER	RECOVERY %	BLOW COUNTS (N VALUE)	REMARKS	U.S.C.S.	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM

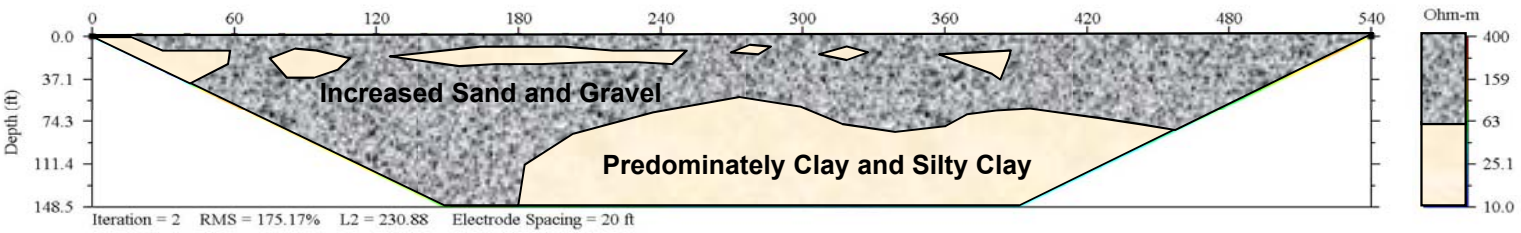


GENERAL BH / TP / WELL - GINT STD US LAB.GDT - 12/4/12 12:07 - C:\USERS\PUBLIC\DOCUMENTS\BENTLEY\GINT\PROJECTS\CALIFORNIAGULCH.GPJ

APPENDIX C - GEOPHYSICAL DATA

2-Dimensional Profile Resistivity Line 1

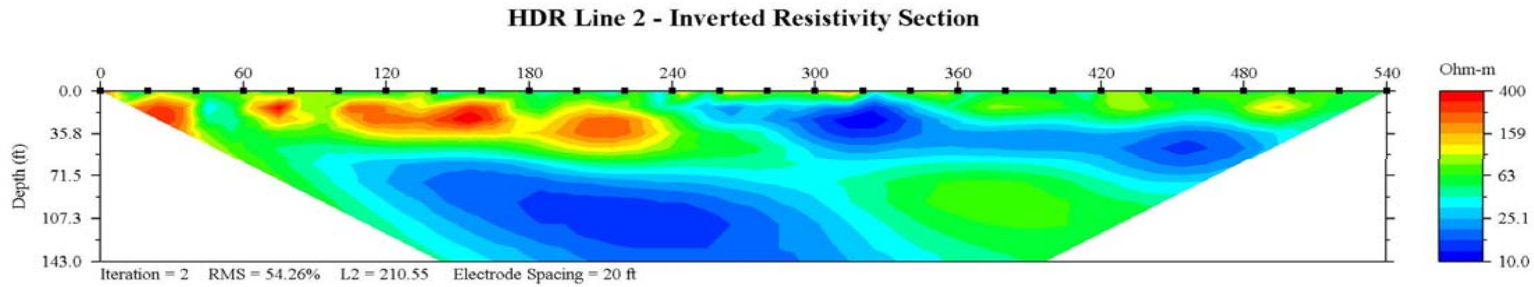


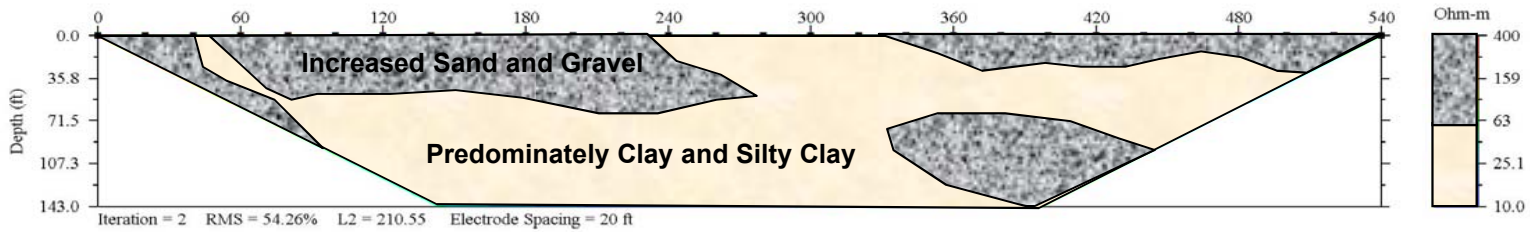


psi Information To Build On
Engineering • Consulting • Testing

Line Number	Resistivity Line 1
Project Number	0532511
Project Name	Leadville - HDR
Location	Leadville, Colorado

2-Dimensional Profile Resistivity Line 2





psi Information To Build On
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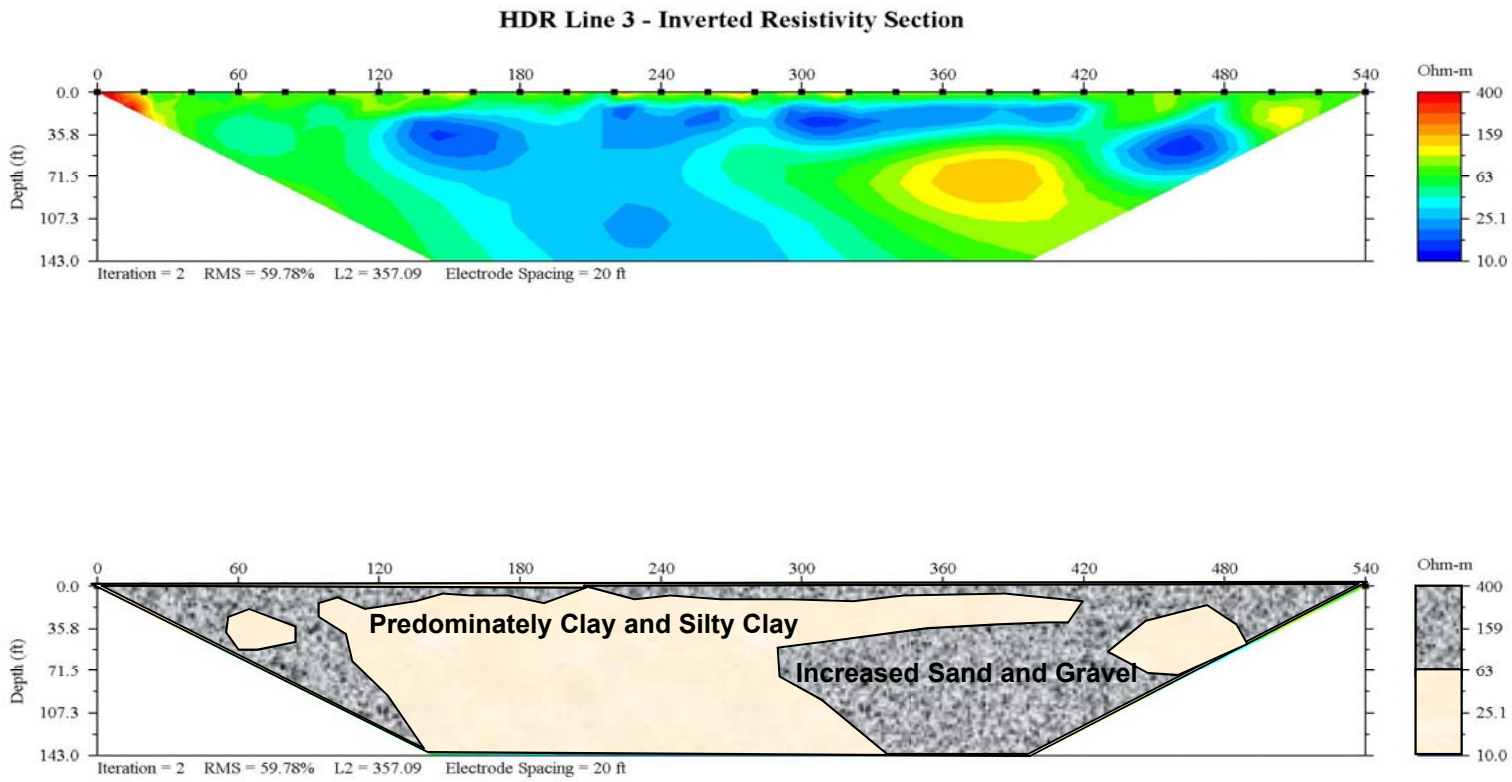
Line Number	Resistivity Line 2
Project Number	0532511
Project Name	Leadville - HDR
Location	Leadville, Colorado

2-Dimensional Profile Resistivity Line 3



Information To Build On

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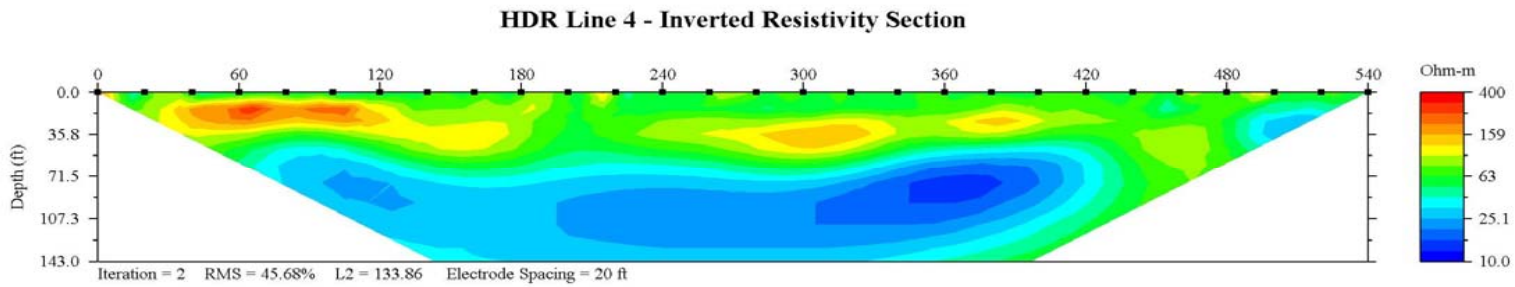
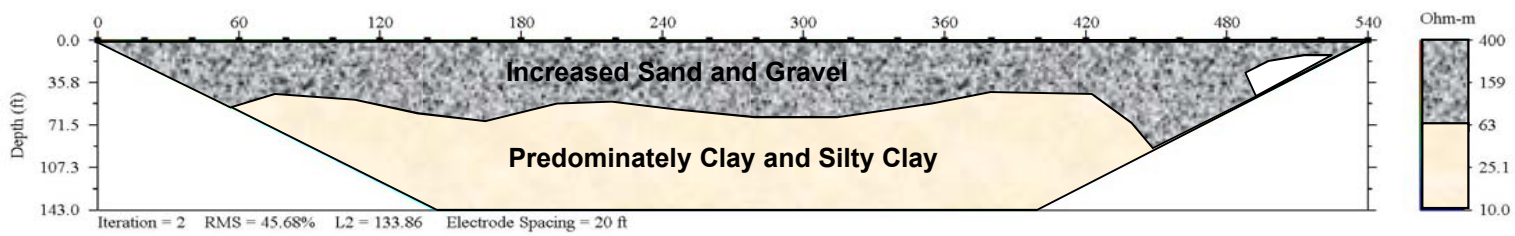
Line Number	Resistivity Line 3
Project Number	0532511
Project Name	Leadville - HDR
Location	Leadville, Colorado

2-Dimensional Profile Resistivity Line 4

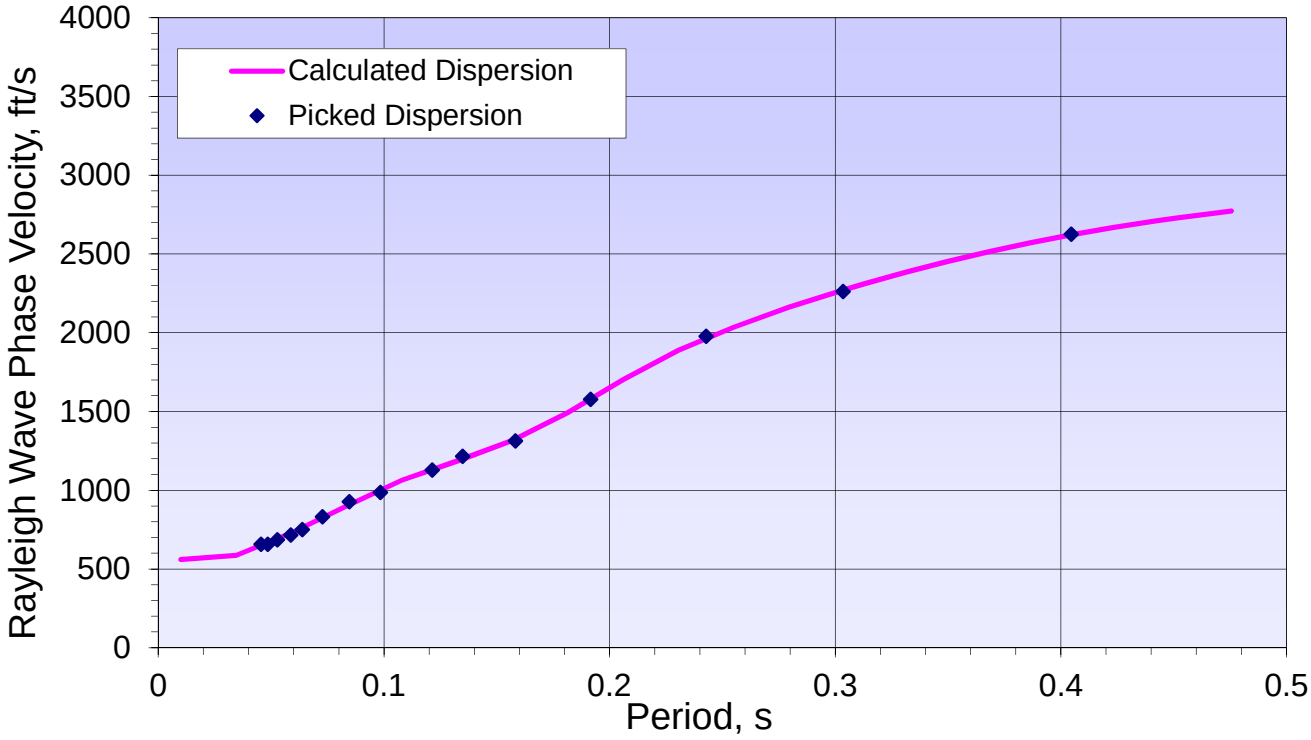




psi Information To Build On
Engineering • Consulting • Testing

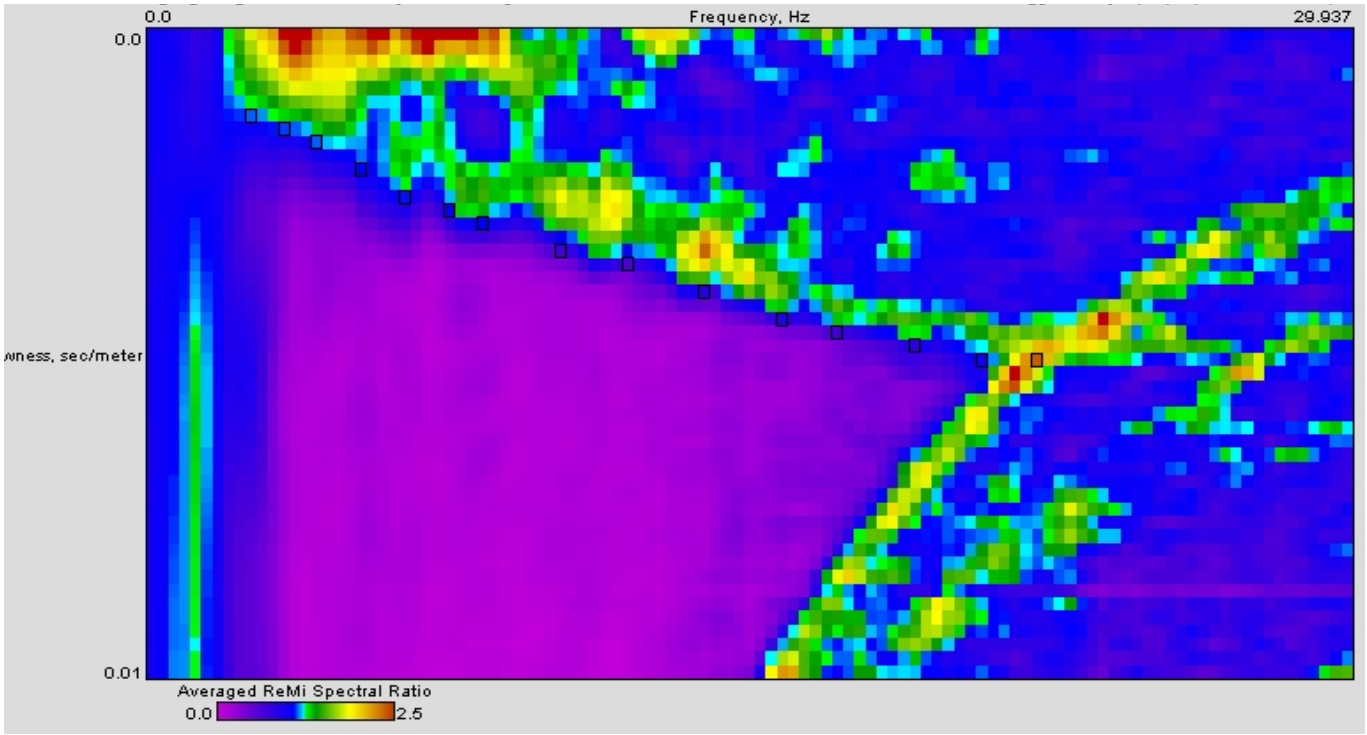
Line Number	Resistivity Line 4
Project Number	0532511
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 15 Sampling Interval (ms) 2

p-f Image with Dispersion Modeling Picks

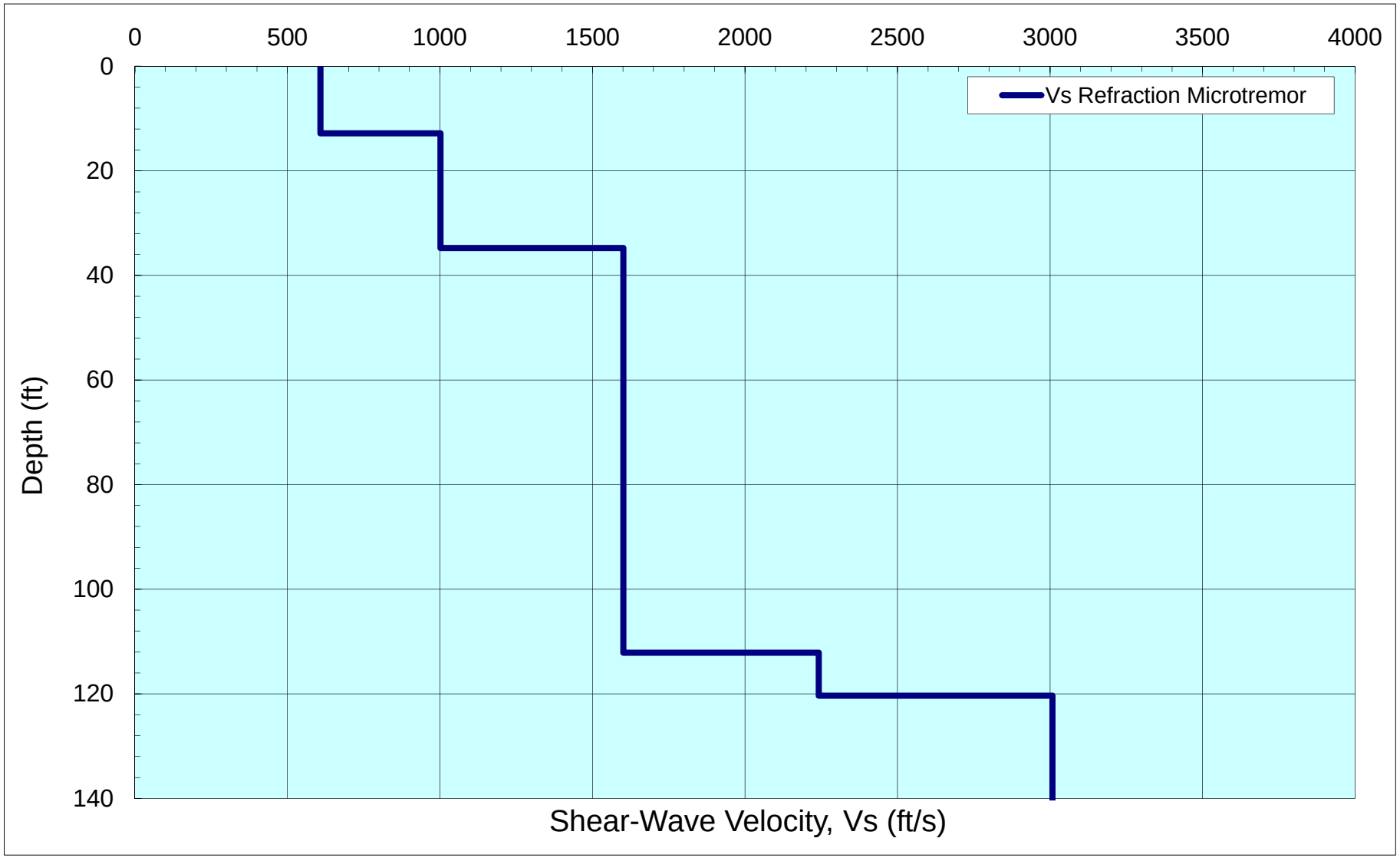


Information To Build On

Engineering • Consulting • Testing

Line Number	Array 1 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

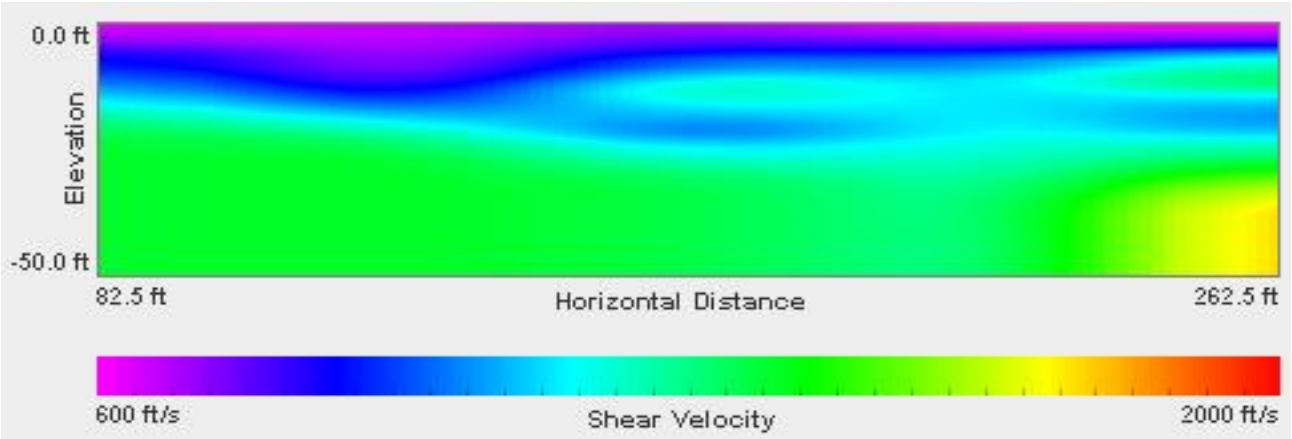


psi Information To Build On
Engineering • Consulting • Testing

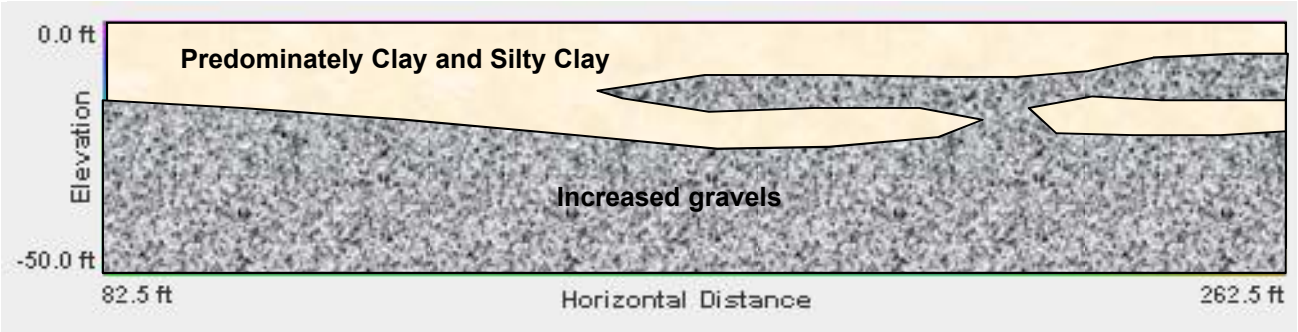
IBC Site Class	**D**
Average Shearwave Velocity within 100 feet, V_s (ft/s)	**1,195**

Line Number	**Array 1 (Geophones 1-24)**
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

2-Dimensional Profile Line 1



2-Dimensional Interpretation Profile Line 1

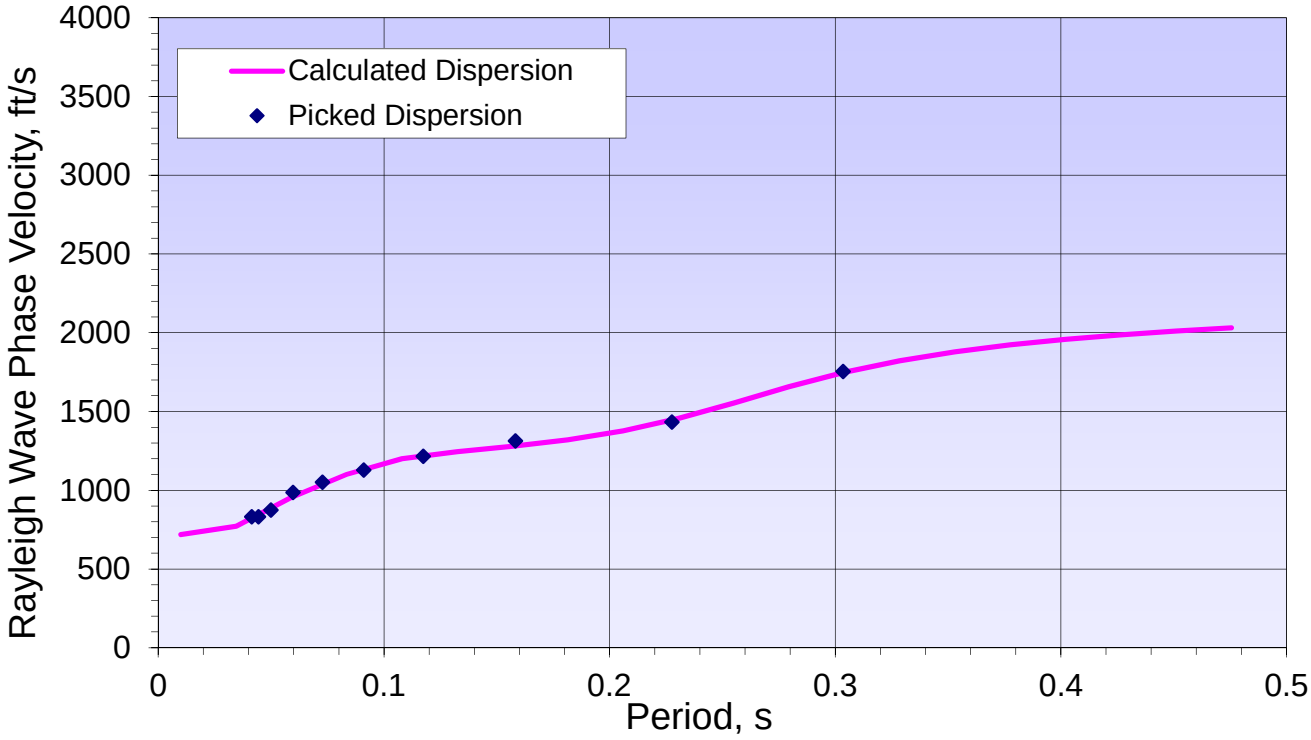


Information To Build On

Engineering • Consulting • Testing

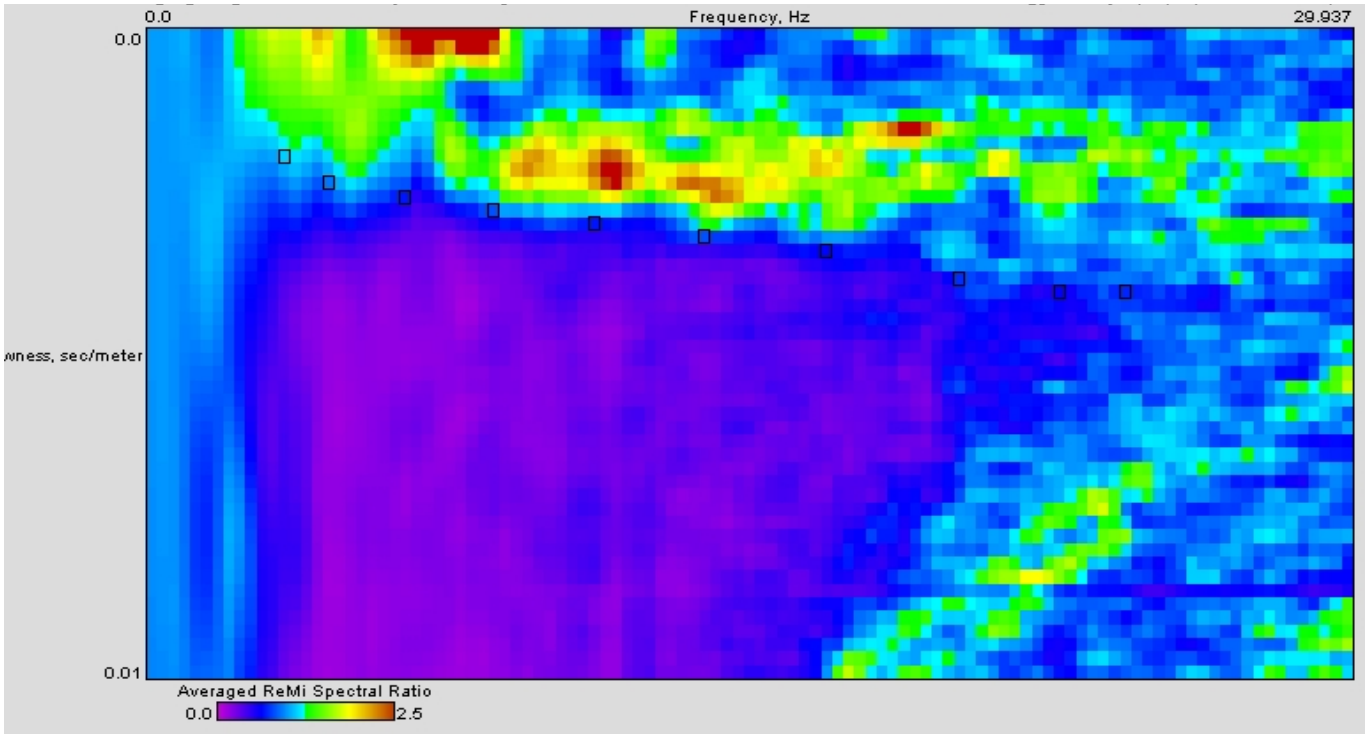
Line Number	Array 1
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 15 Sampling Interval (ms) 2

p-f Image with Dispersion Modeling Picks

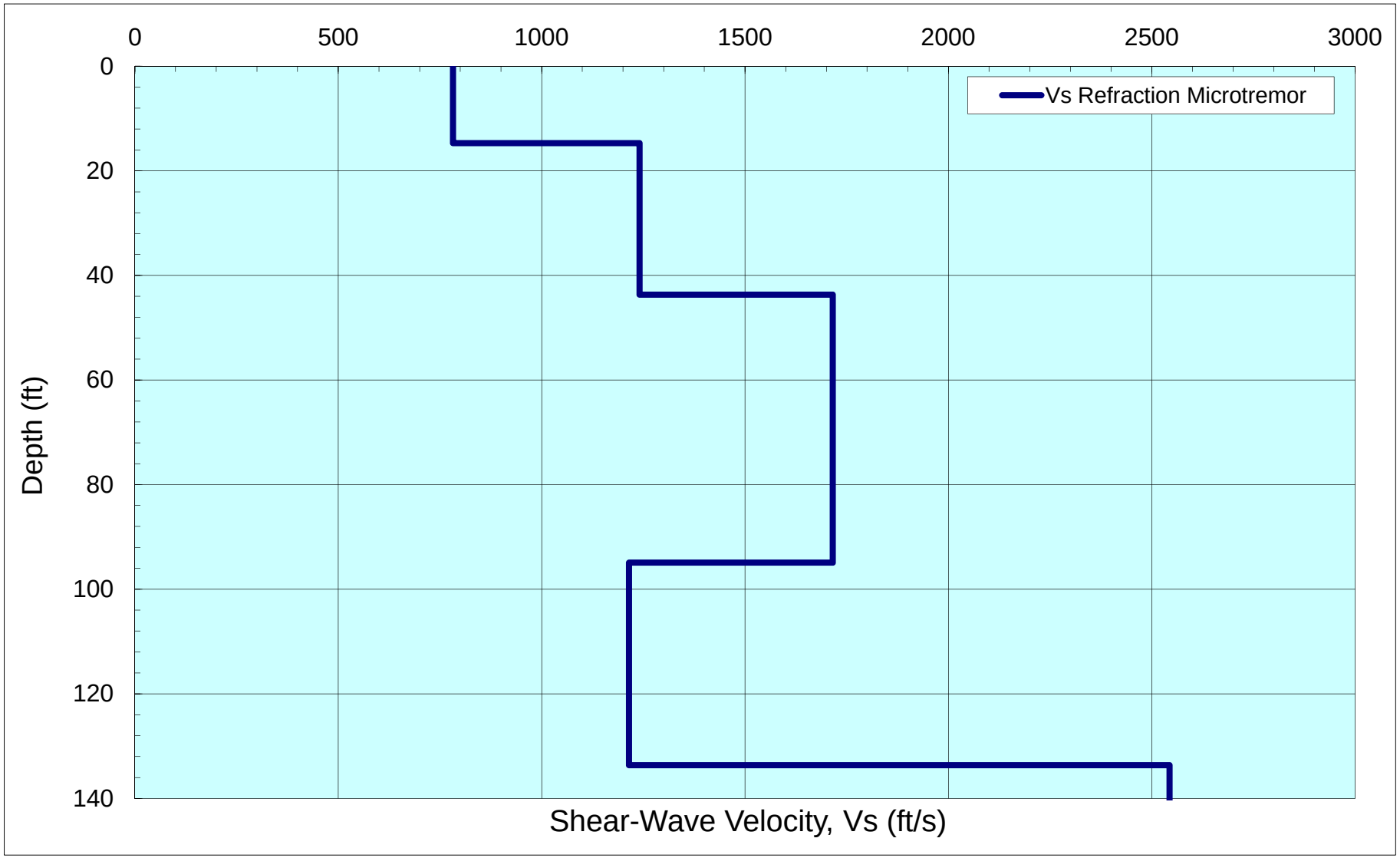


Information To Build On

Engineering • Consulting • Testing

Line Number	Array 2 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

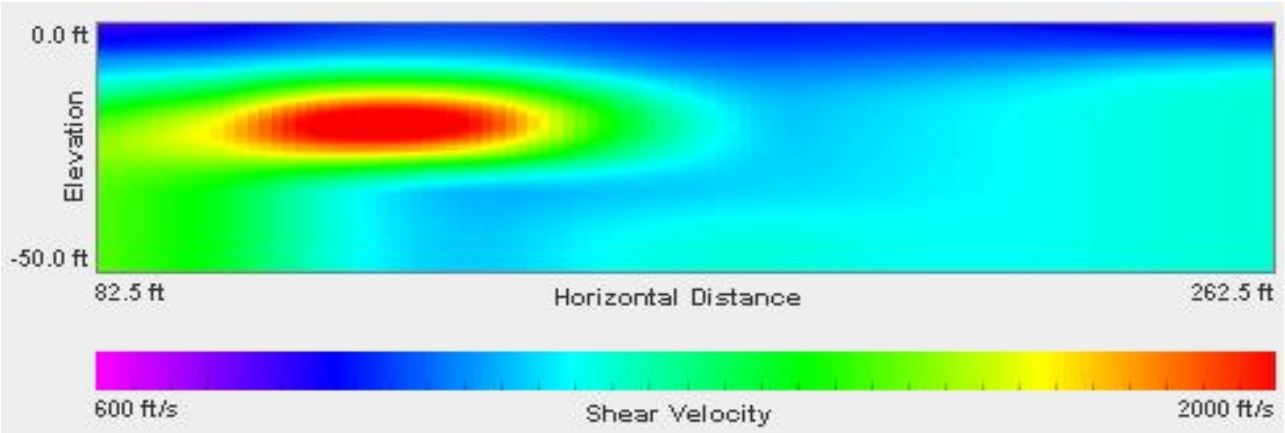


psi Information To Build On
Engineering • Consulting • Testing

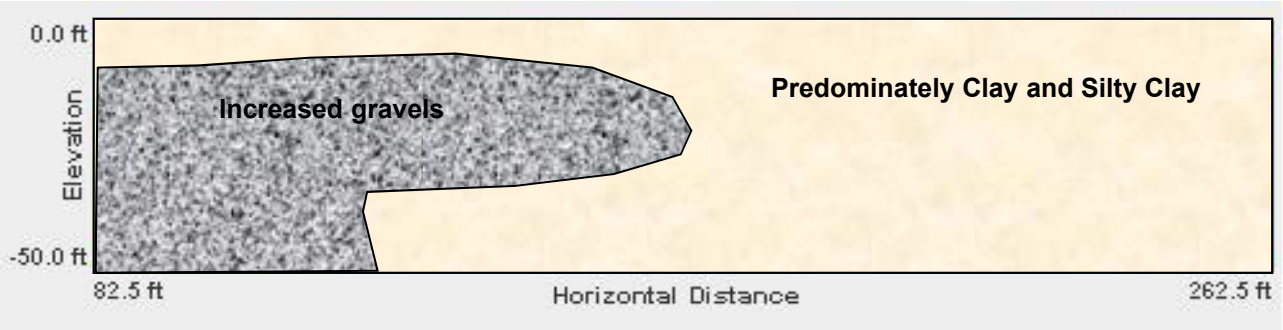
IBC Site Class	**C**
Average Shearwave Velocity within 100 feet, V_s (ft/s)	**1,312**

Line Number	**Array 2 (Geophones 1-24)**
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

2-Dimensional Profile Line 2



2-Dimensional Interpretation Profile Line 2

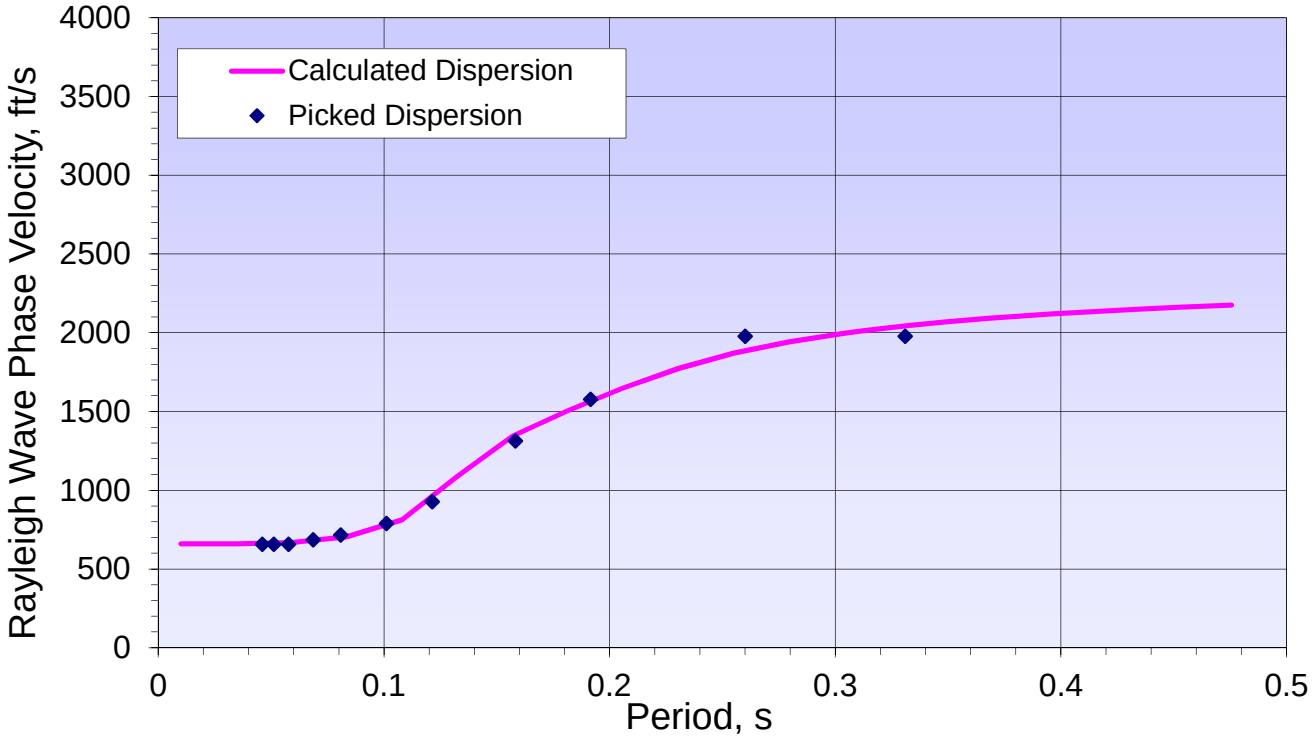


Information To Build On

Engineering • Consulting • Testing

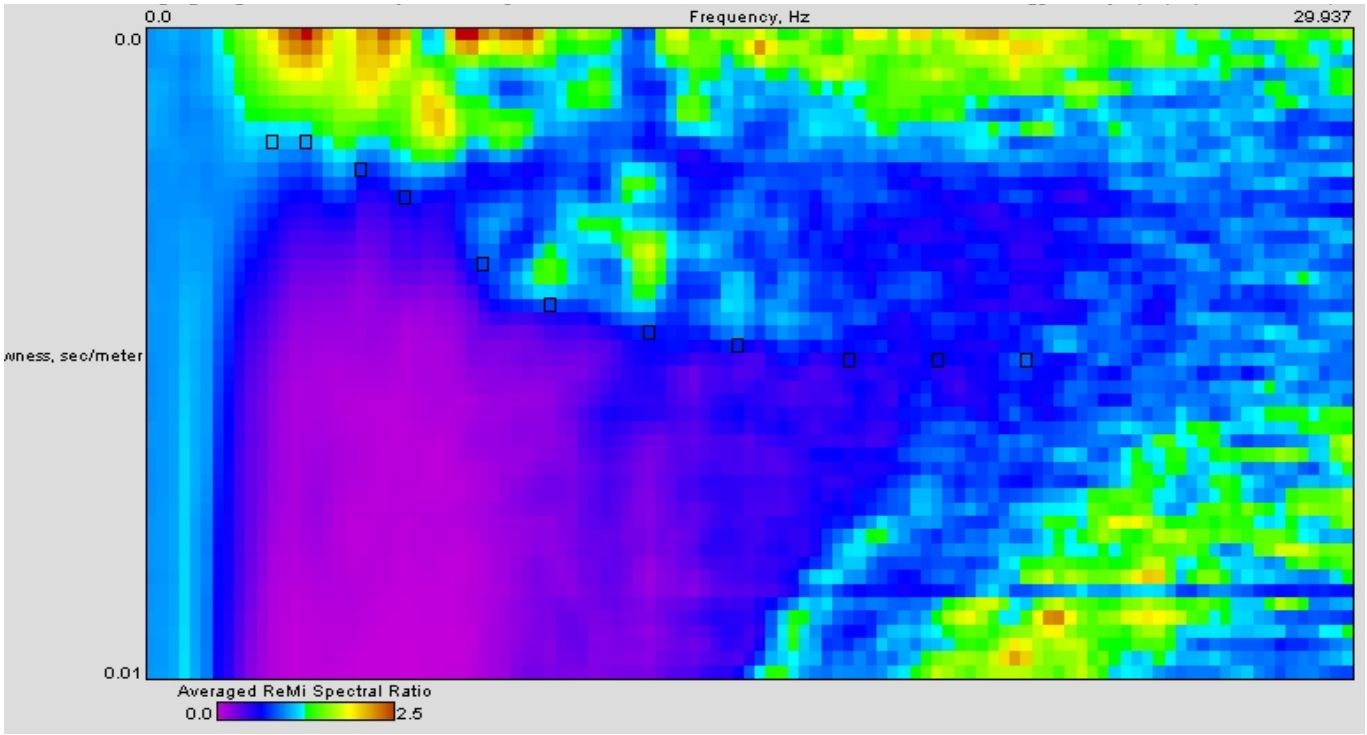
Line Number	Array 2
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 15 Sampling Interval (ms) 2

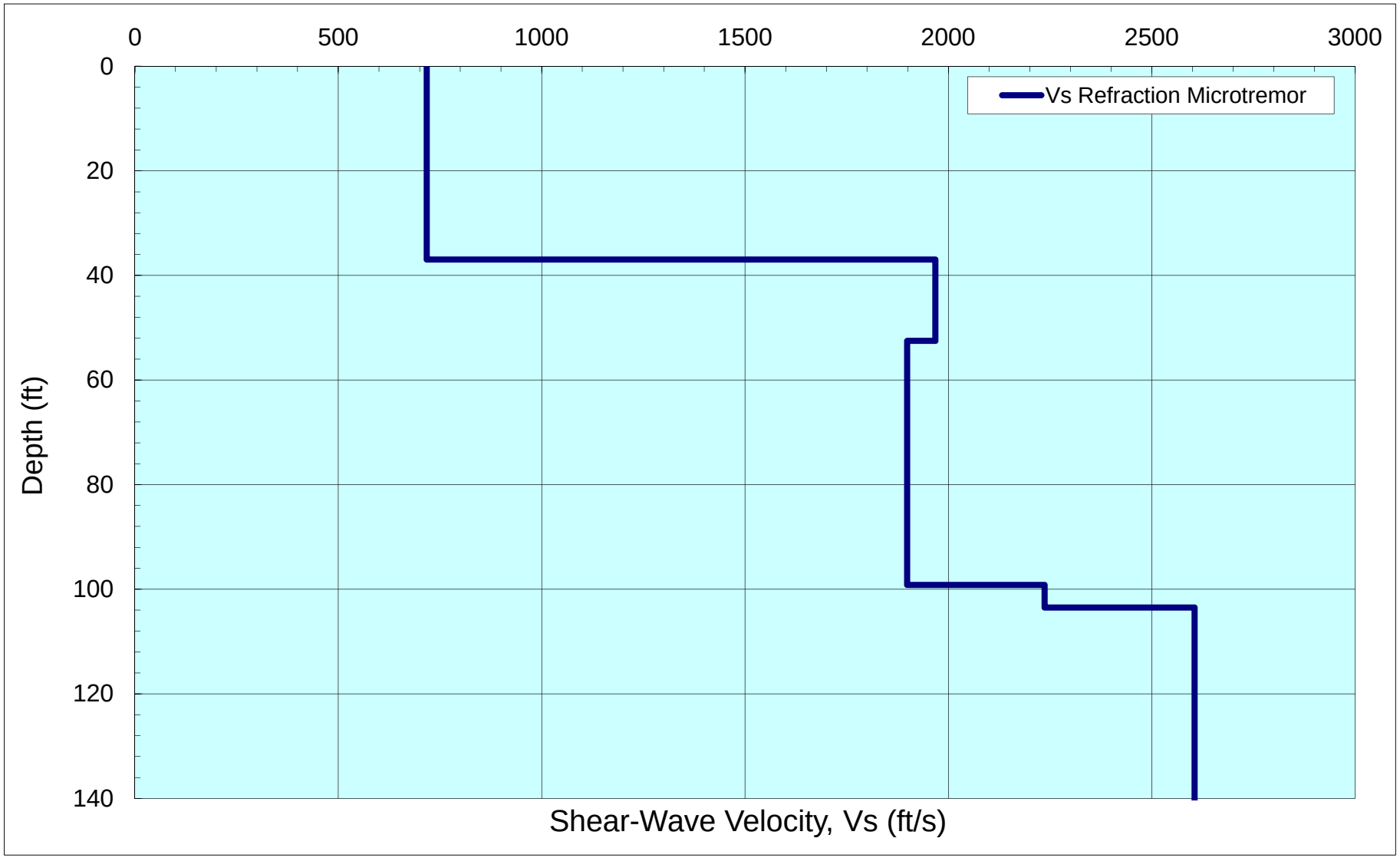
p-f Image with Dispersion Modeling Picks



psi Information To Build On
Engineering • Consulting • Testing

Line Number	Array 3 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

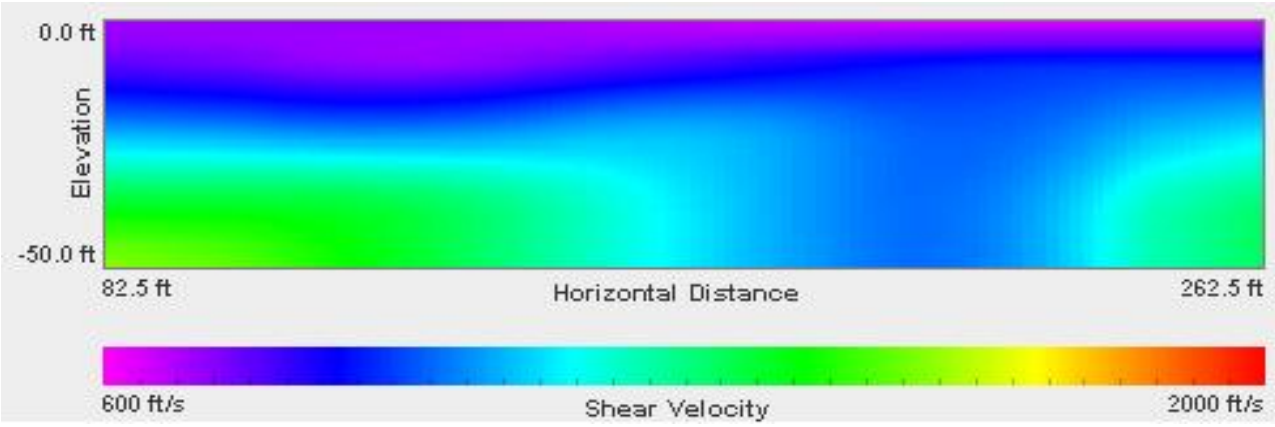


psi Information To Build On
Engineering • Consulting • Testing

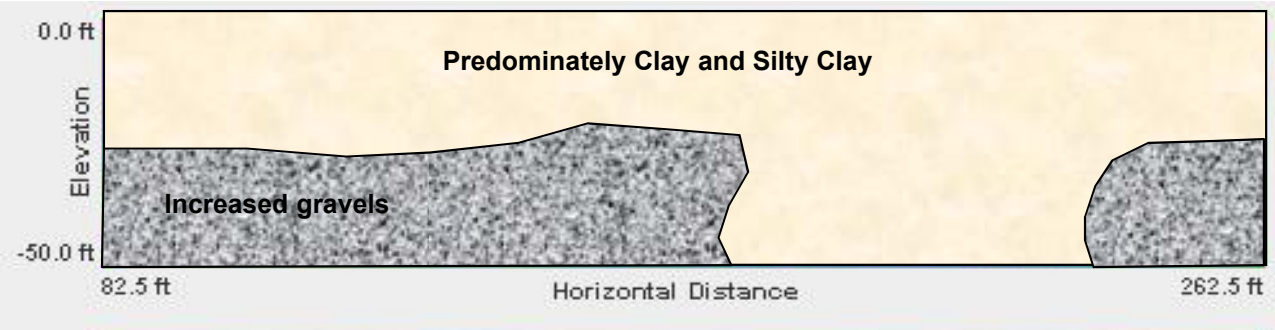
IBC Site Class	**D**
Average Shearwave Velocity within 100 feet, V_s (ft/s)	**1,186**

Line Number	**Array 3 (Geophones 1-24)**
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

2-Dimensional Profile Line 3



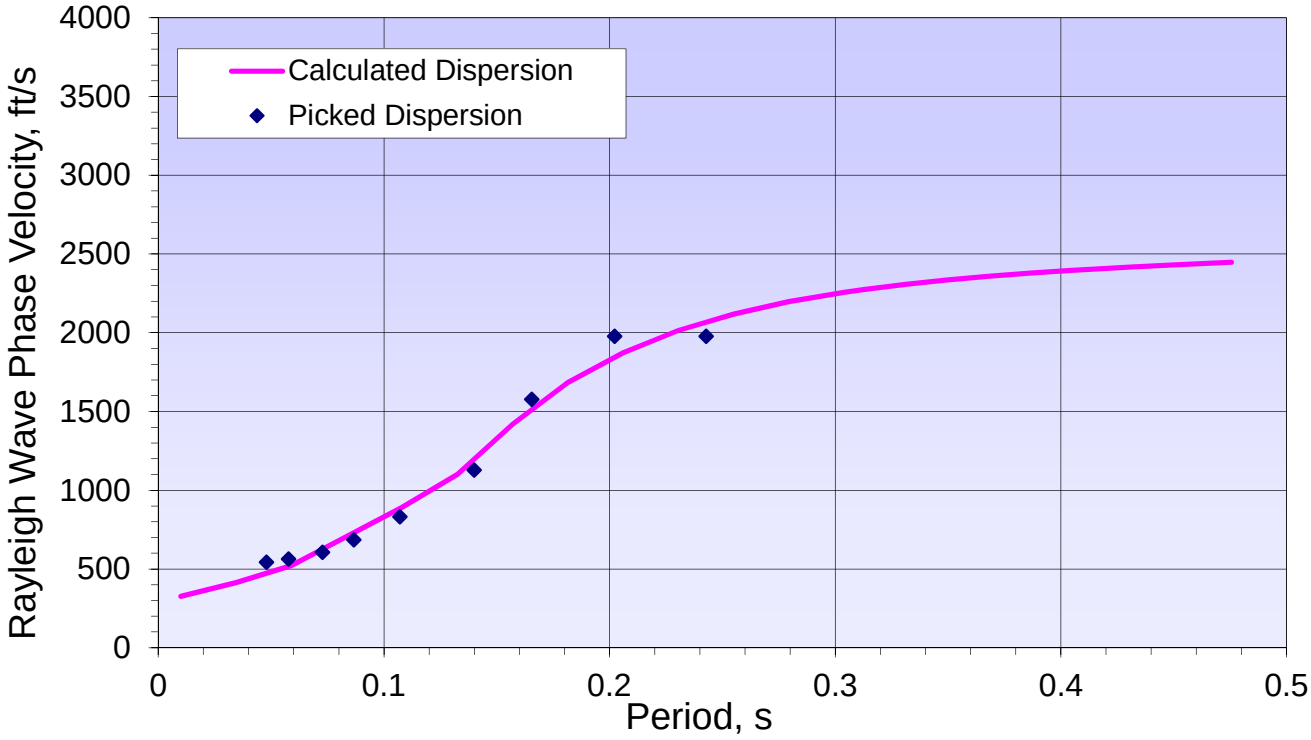
2-Dimensional Interpretation Profile Line 3



psi Information To Build On
Engineering • Consulting • Testing

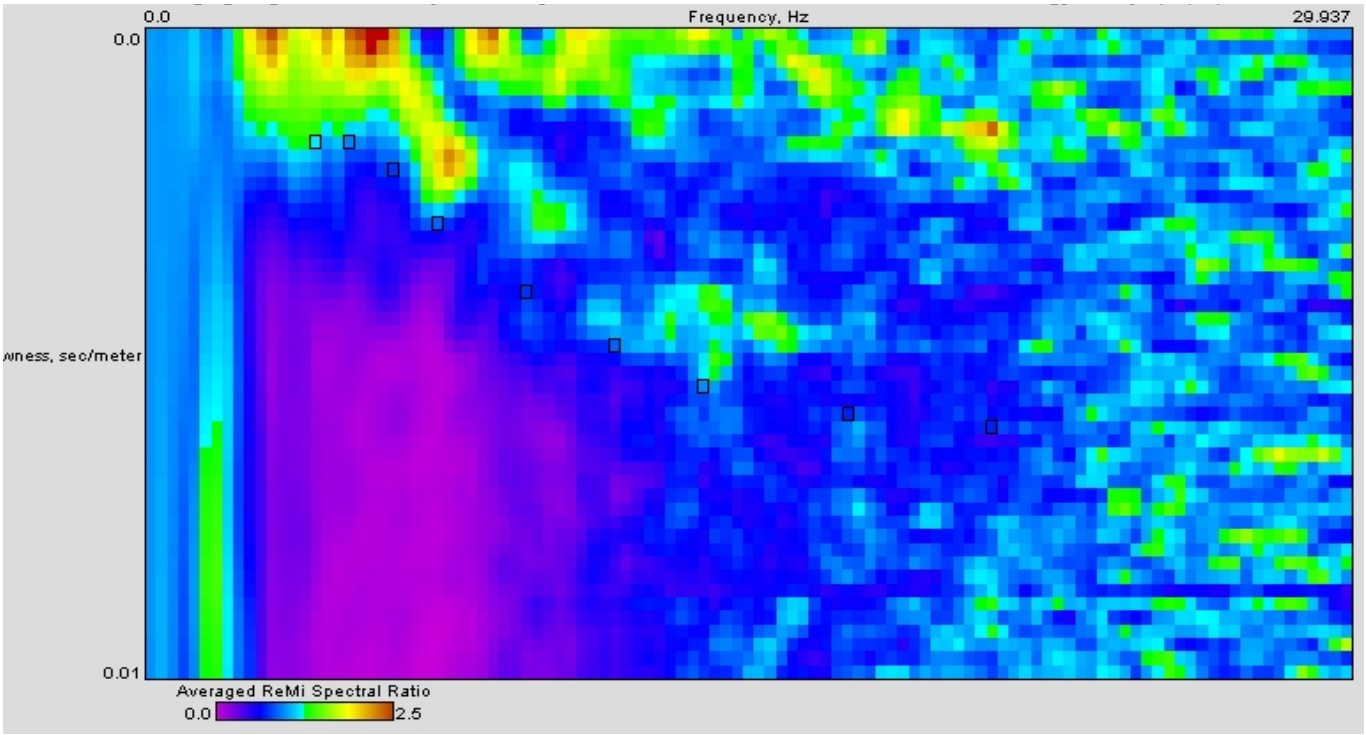
Line Number	Array 3
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 15 Sampling Interval (ms) 2

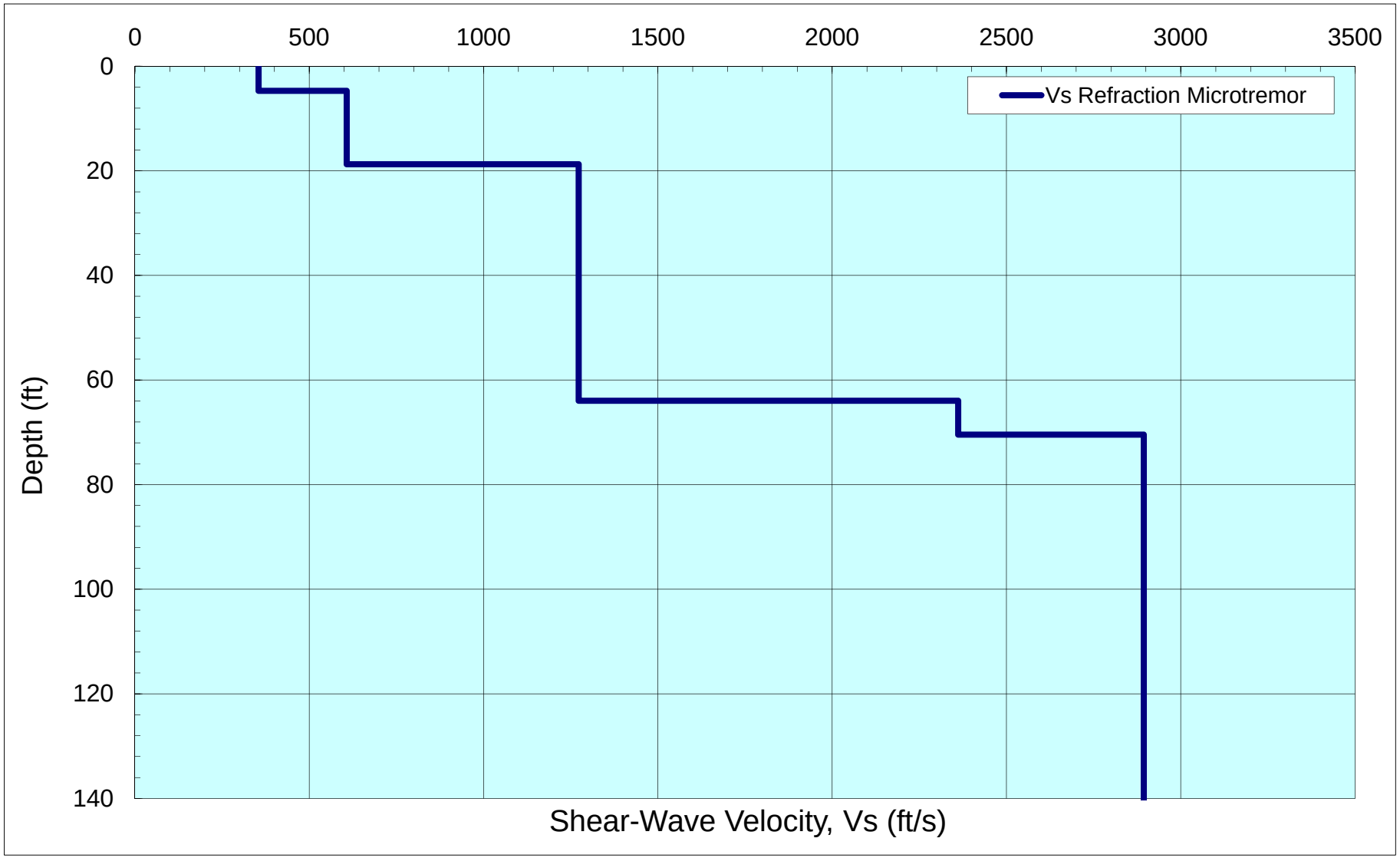
p-f Image with Dispersion Modeling Picks



psi Information To Build On
Engineering • Consulting • Testing

Line Number	Array 4 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

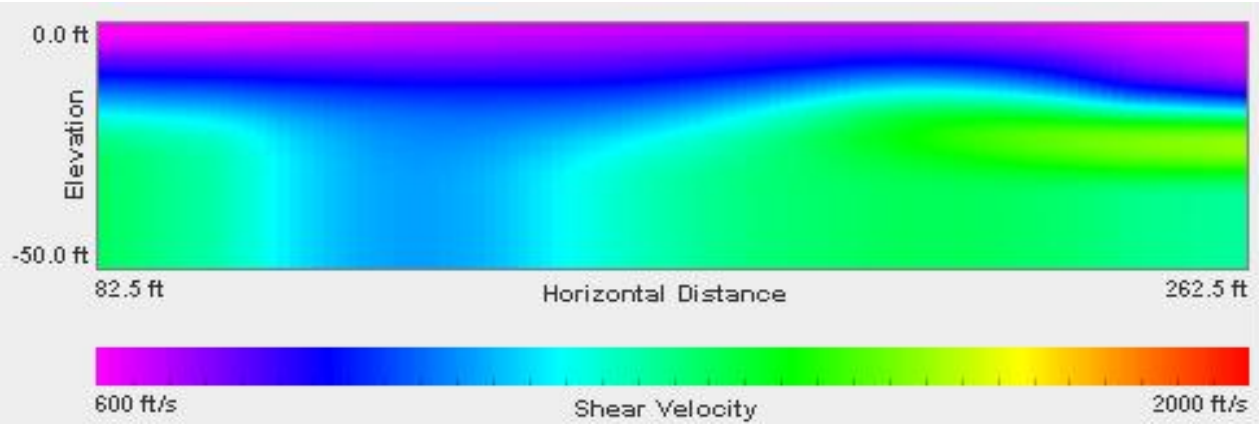


psi Information To Build On
Engineering • Consulting • Testing

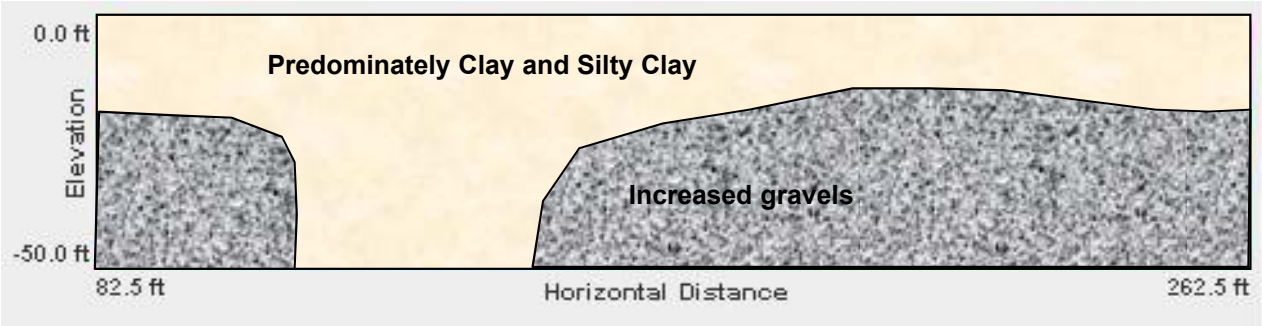
IBC Site Class	**D**
Average Shearwave Velocity within 100 feet, V_s (ft/s)	**1,179**

Line Number	**Array 4 (Geophones 1-24)**
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

2-Dimensional Profile Line 4



2-Dimensional Interpretation Profile Line 4

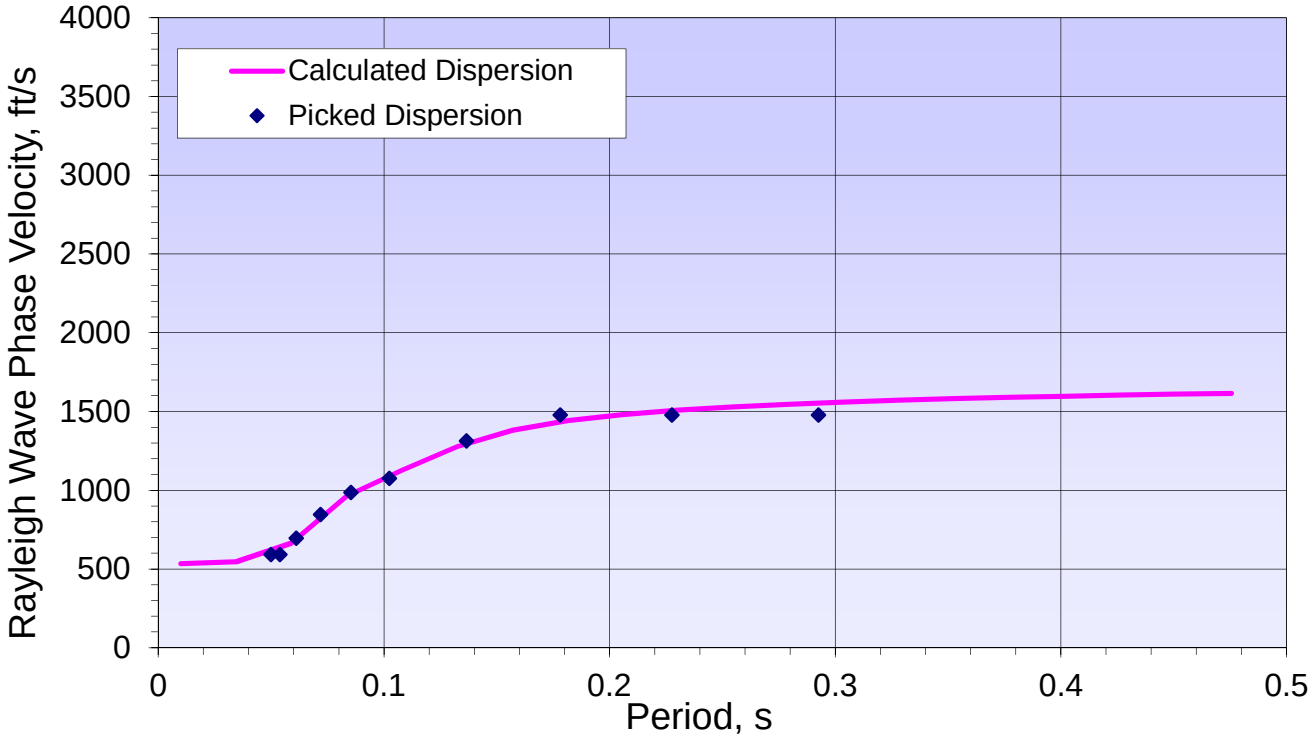


Information To Build On

Engineering • Consulting • Testing

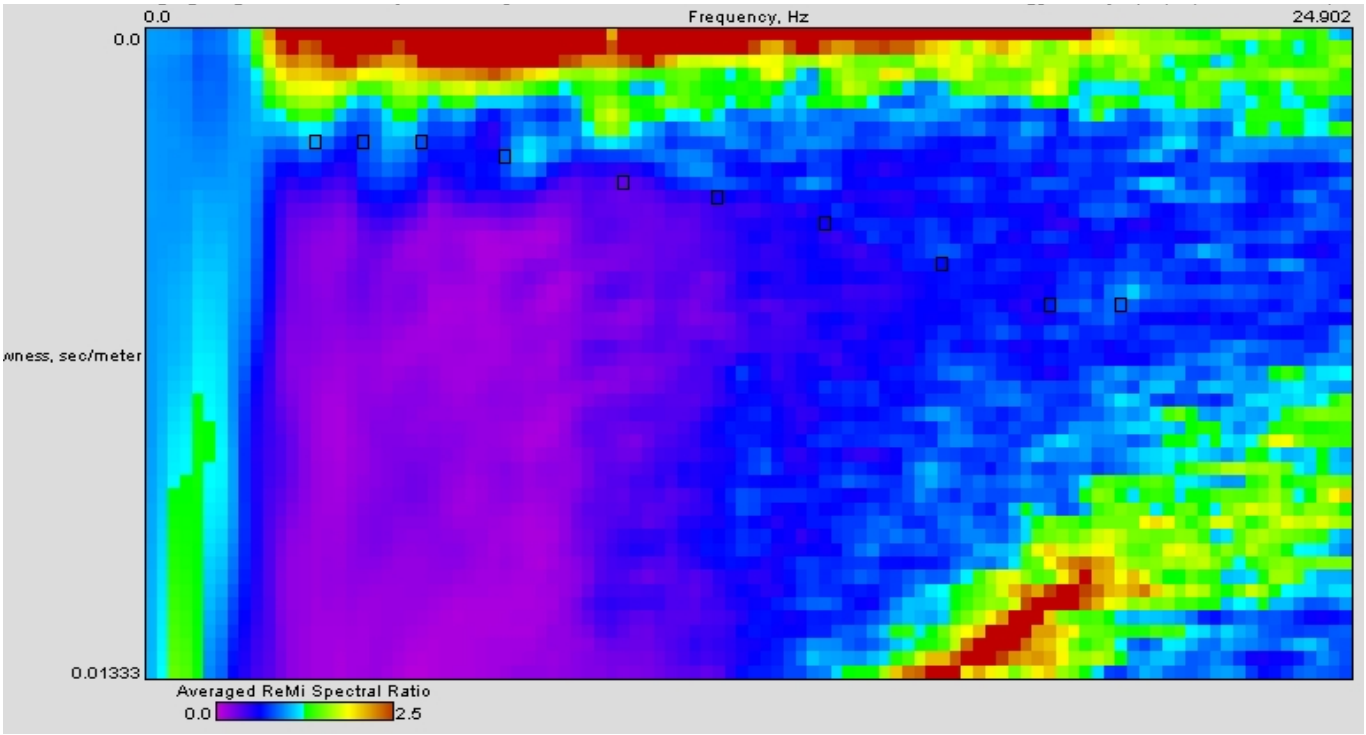
Line Number	Array 4
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 15 Sampling Interval (ms) 2

p-f Image with Dispersion Modeling Picks

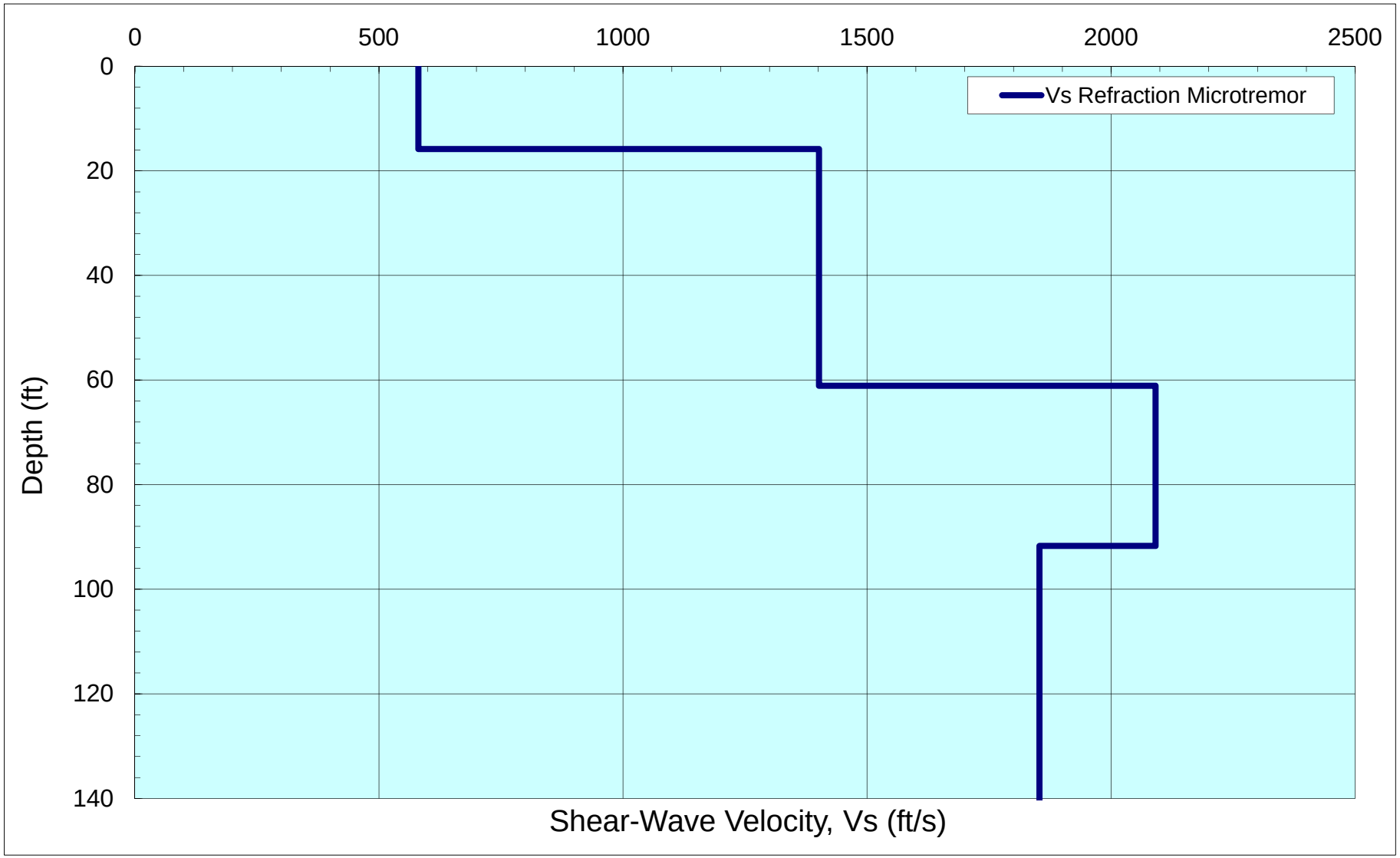


Information To Build On

Engineering • Consulting • Testing

Line Number	Array 5 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

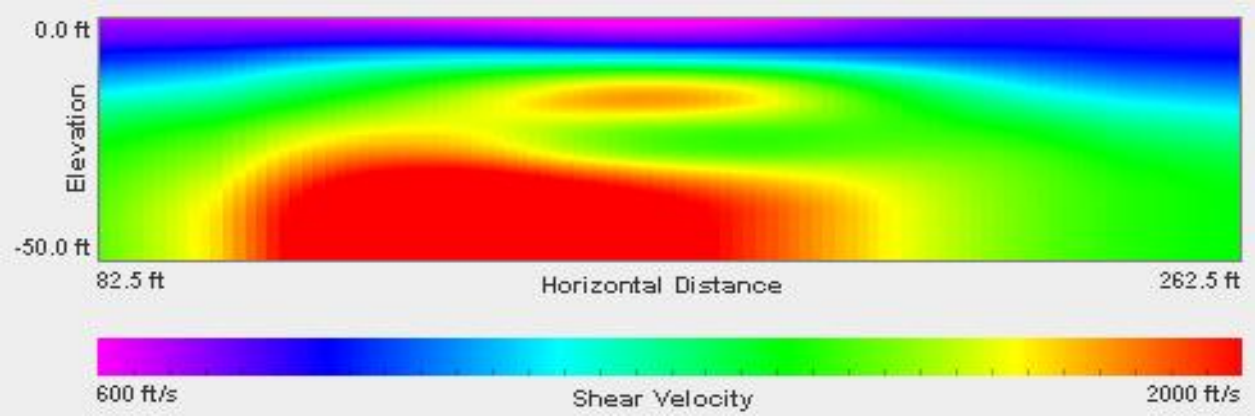


Information To Build On
Engineering • Consulting • Testing

IBC Site Class	**C**
Average Shearwave Velocity within 100 feet, V_s (ft/s)	**1,271**

Line Number	**Array 5 (Geophones 1-24)**
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

2-Dimensional Profile Line 5



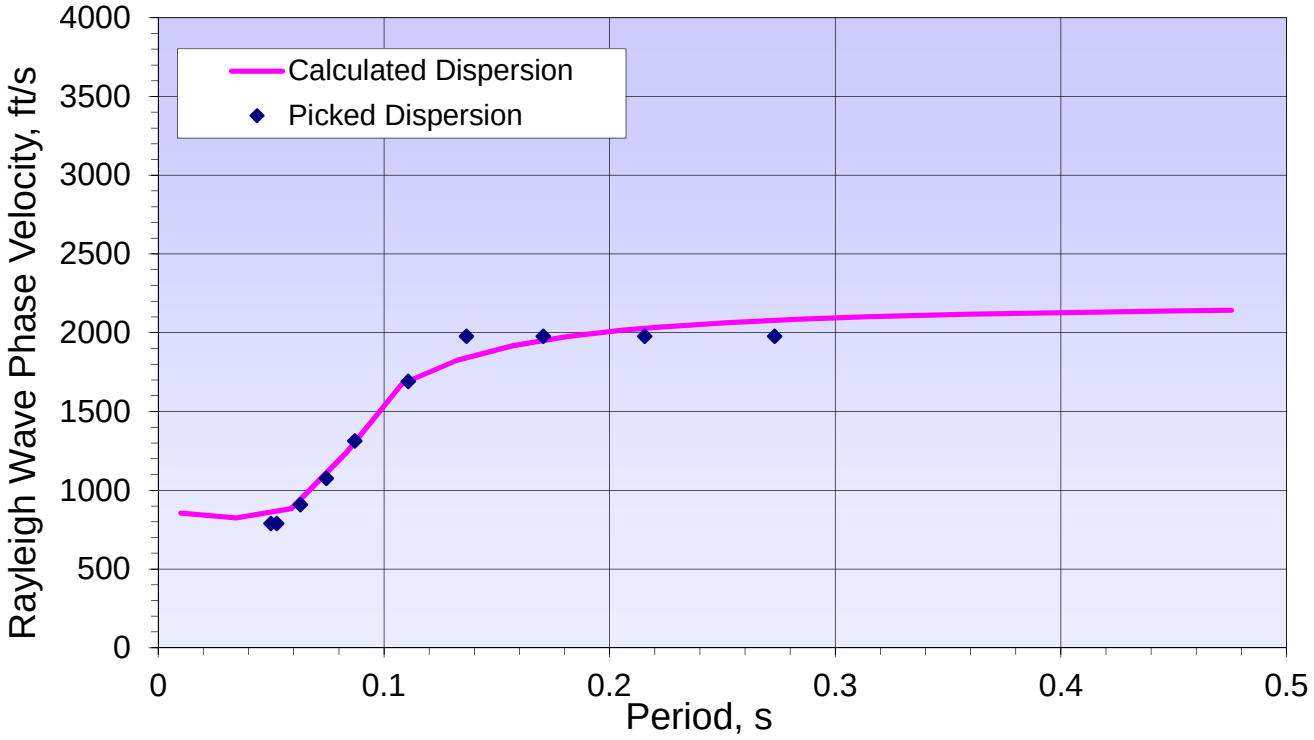
2-Dimensional Interpretation Profile Line 5

Information To Build On

Engineering • Consulting • Testing

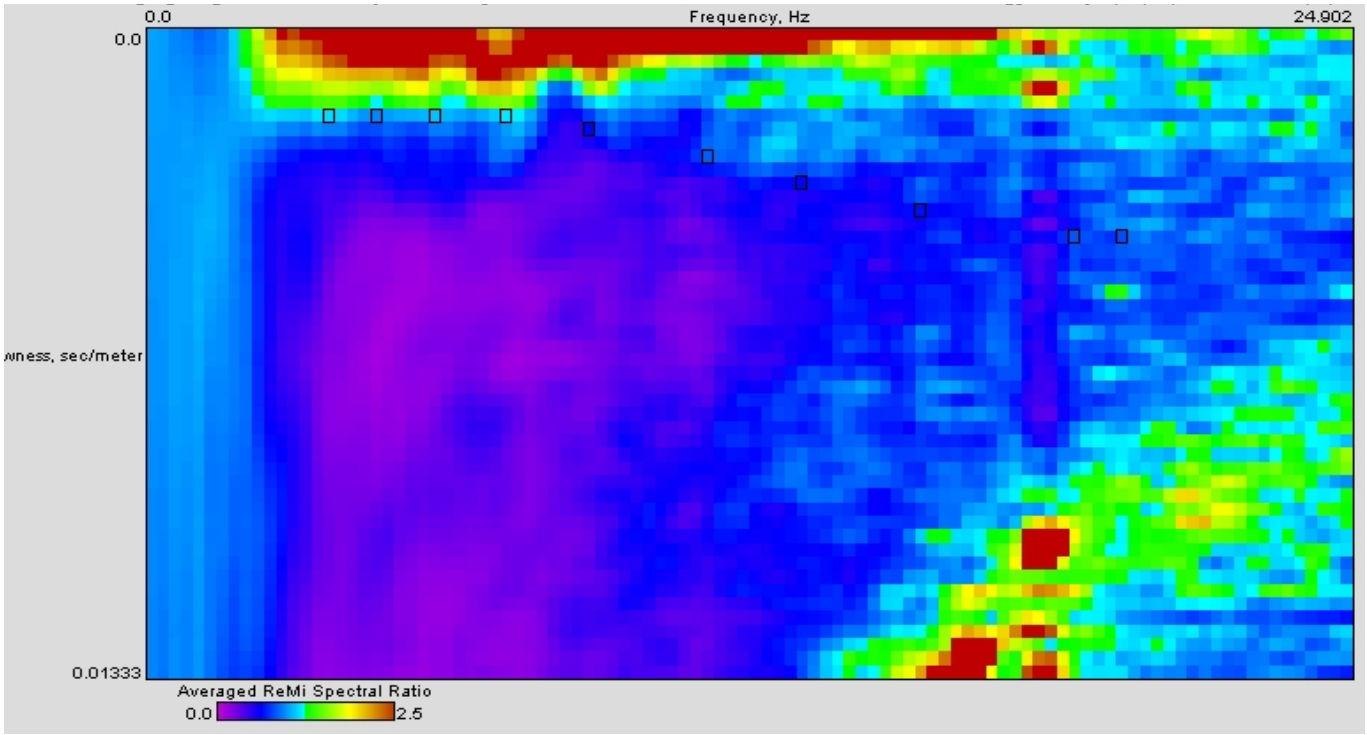
Line Number	Array 5
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 15 Sampling Interval (ms) 2

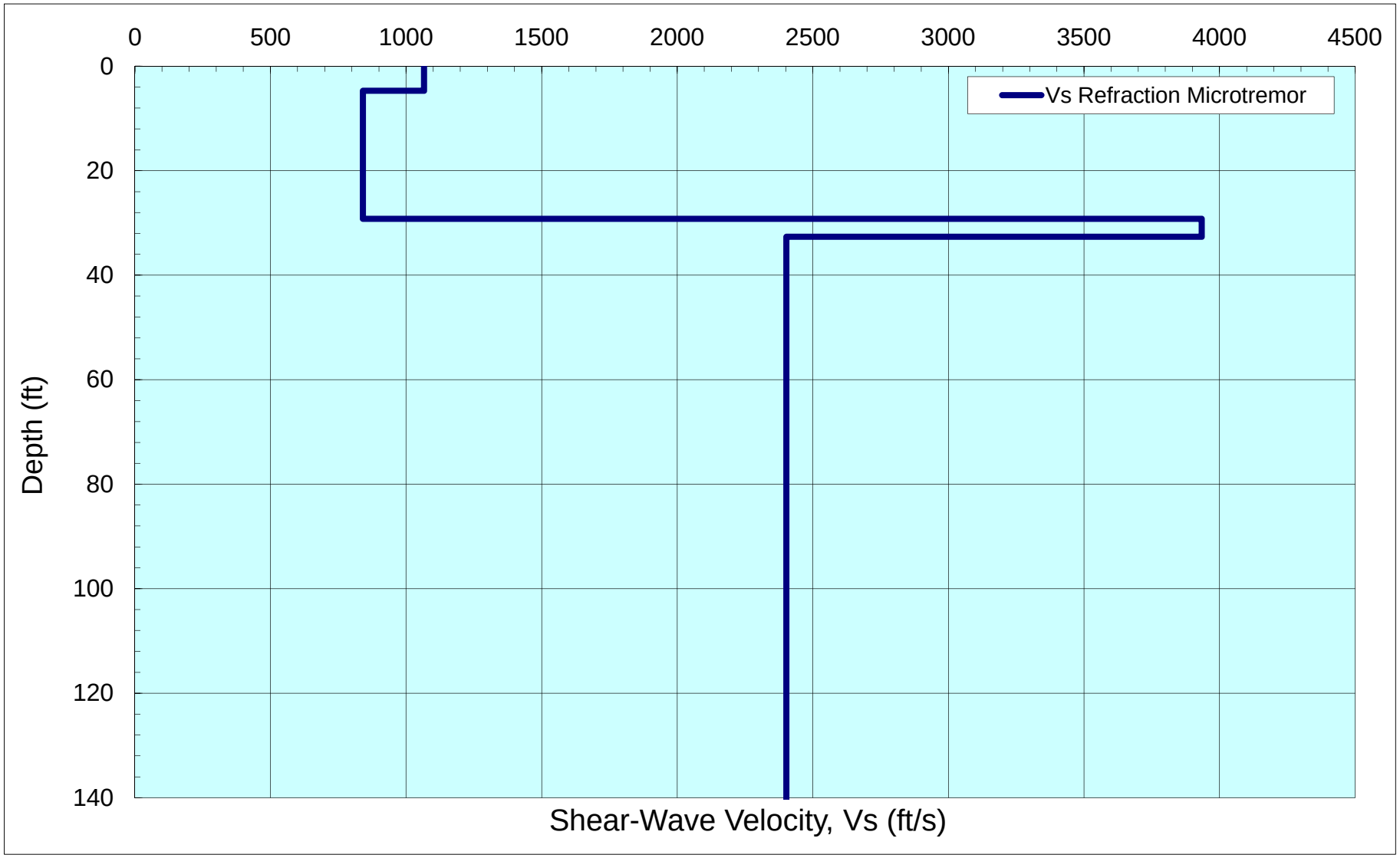
p-f Image with Dispersion Modeling Picks



psi Information To Build On
Engineering • Consulting • Testing

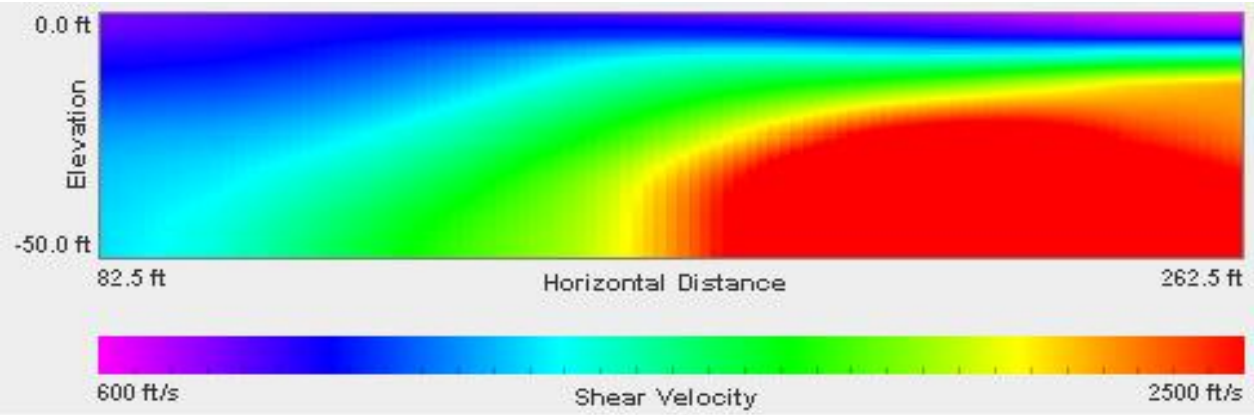
Line Number	Array 6 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

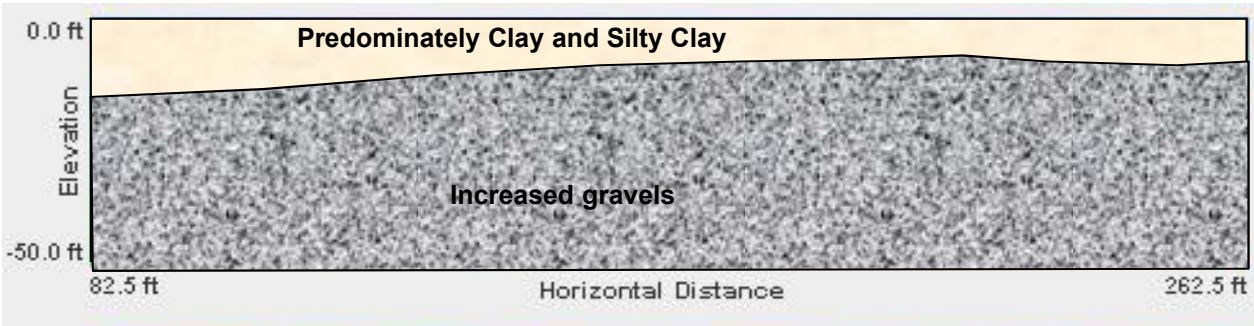


psi Information To Build On Engineering • Consulting • Testing	**IBC Site Class**	**C**	**Line Number**	**Array 6 (Geophones 1-24)**
			Project Number	0532546
	Average Shearwave Velocity within 100 feet, V_s (ft/s)	**1,602**	Project Name	Leadville - HDR
			Location	Leadville - Colorado

2-Dimensional Profile Line 6



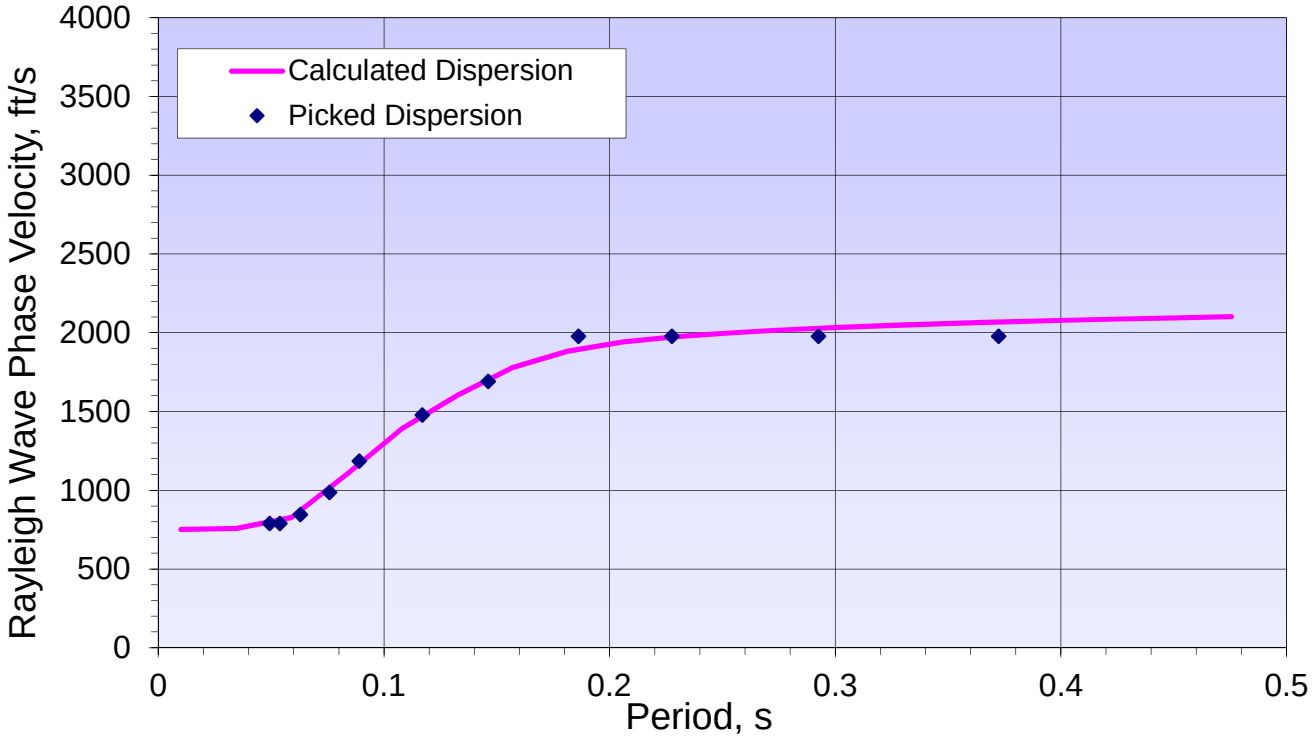
2-Dimensional Interpretation Profile Line 6



psi Information To Build On
Engineering • Consulting • Testing

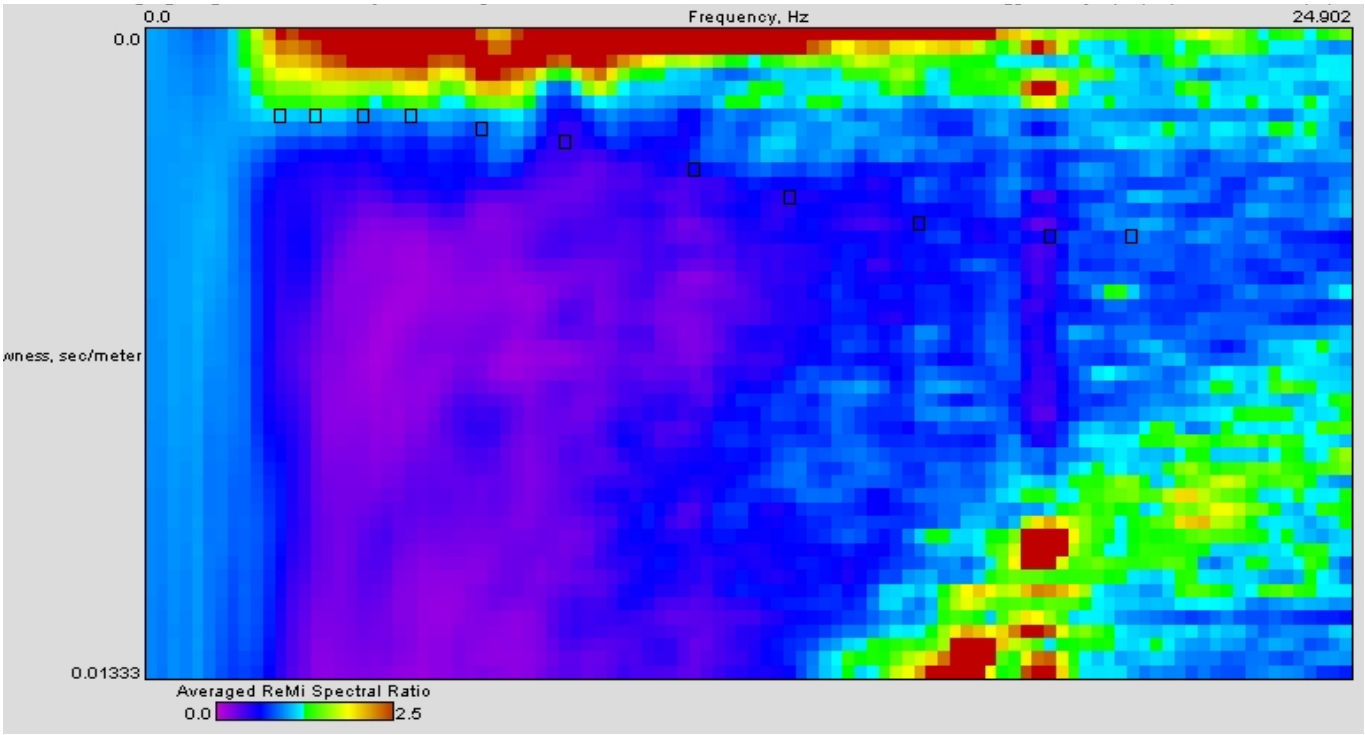
Line Number	Array 6
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 15 Sampling Interval (ms) 2

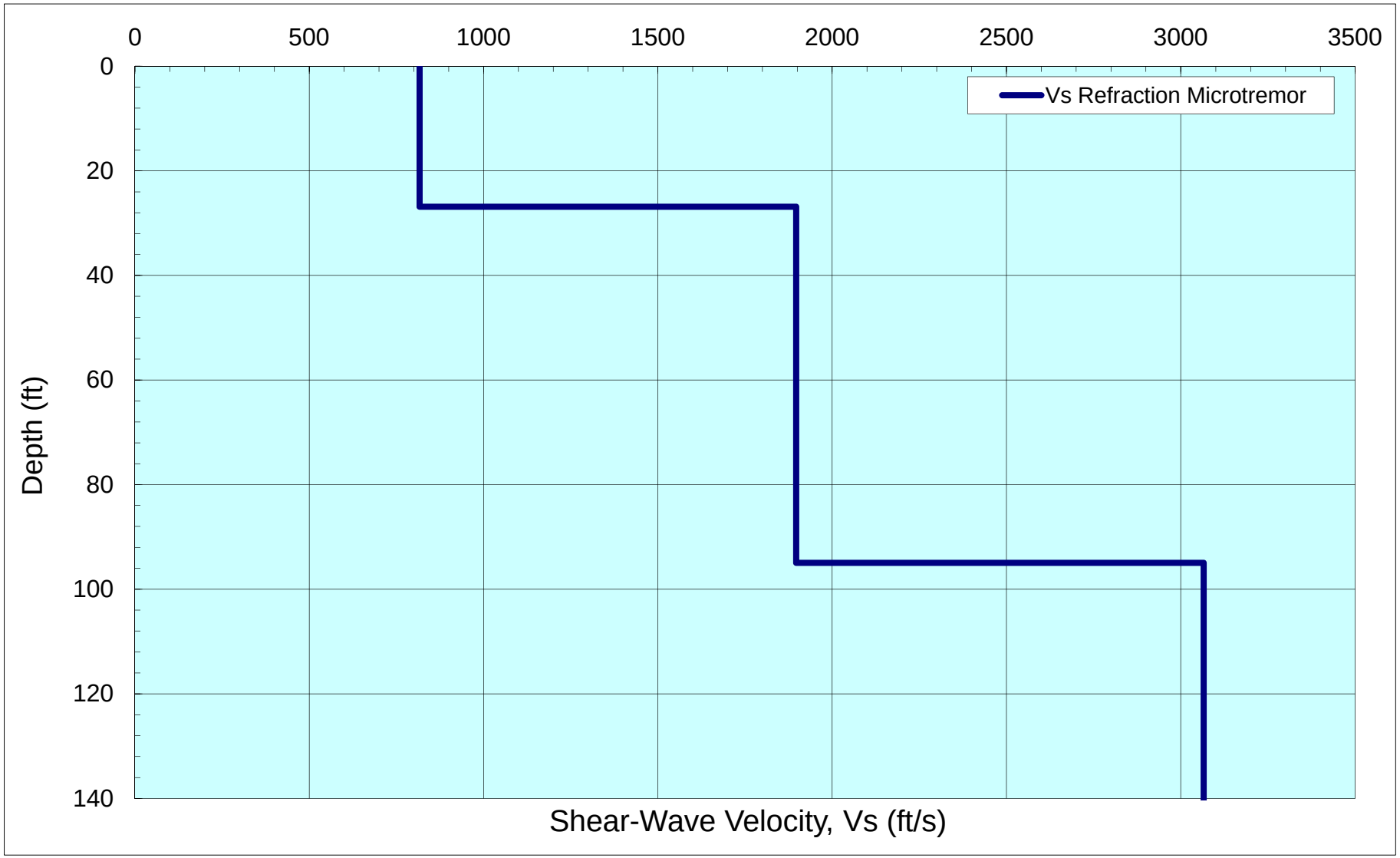
p-f Image with Dispersion Modeling Picks



psi Information To Build On
Engineering • Consulting • Testing

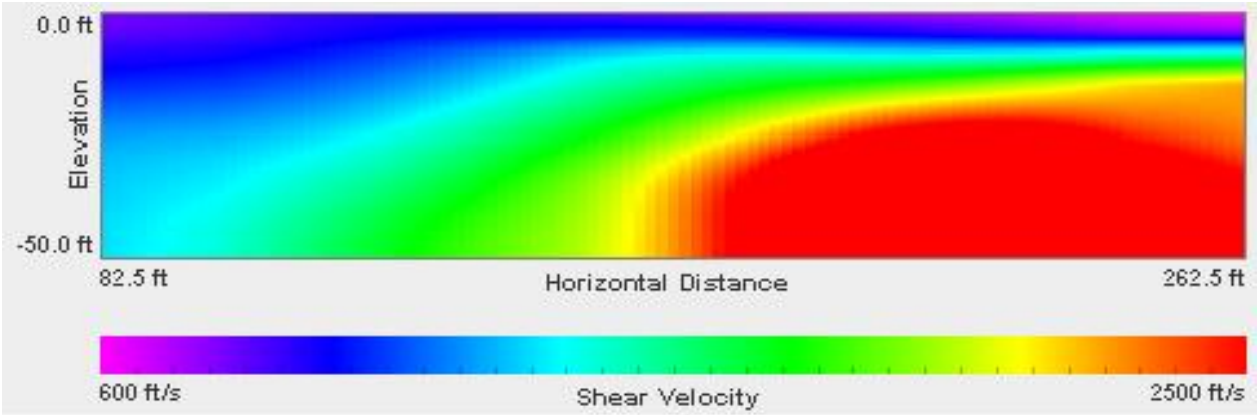
Line Number	Array 7 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

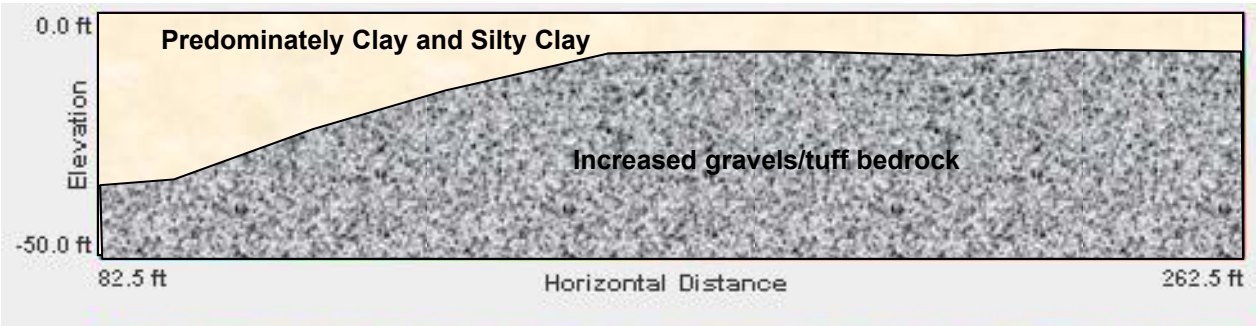


psi Information To Build On Engineering • Consulting • Testing	**IBC Site Class**	**C**	**Line Number**	**Array 7 (Geophones 1-24)**
			Project Number	0532546
	Average Shearwave Velocity within 100 feet, V_s (ft/s)	**1,420**	Project Name	Leadville - HDR
			Location	Leadville - Colorado

2-Dimensional Profile Line 7



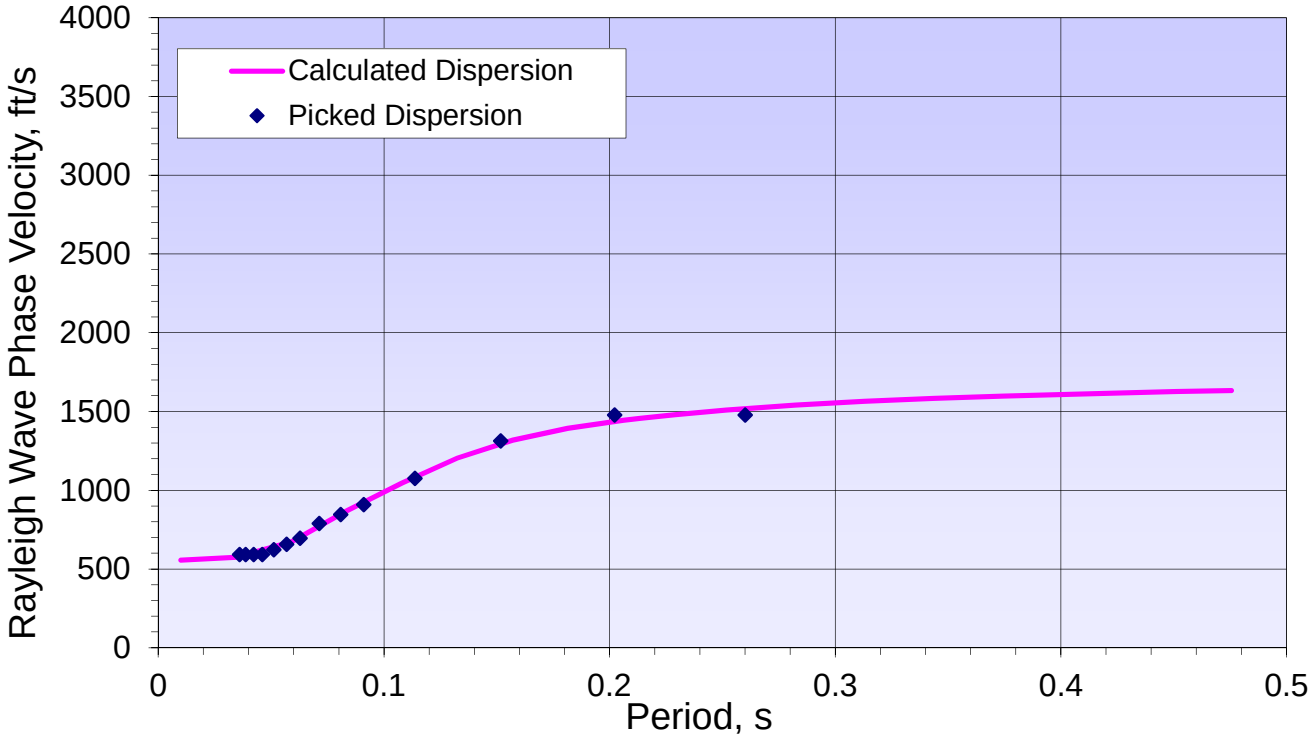
2-Dimensional Interpretation Profile Line 7



psi Information To Build On
Engineering • Consulting • Testing

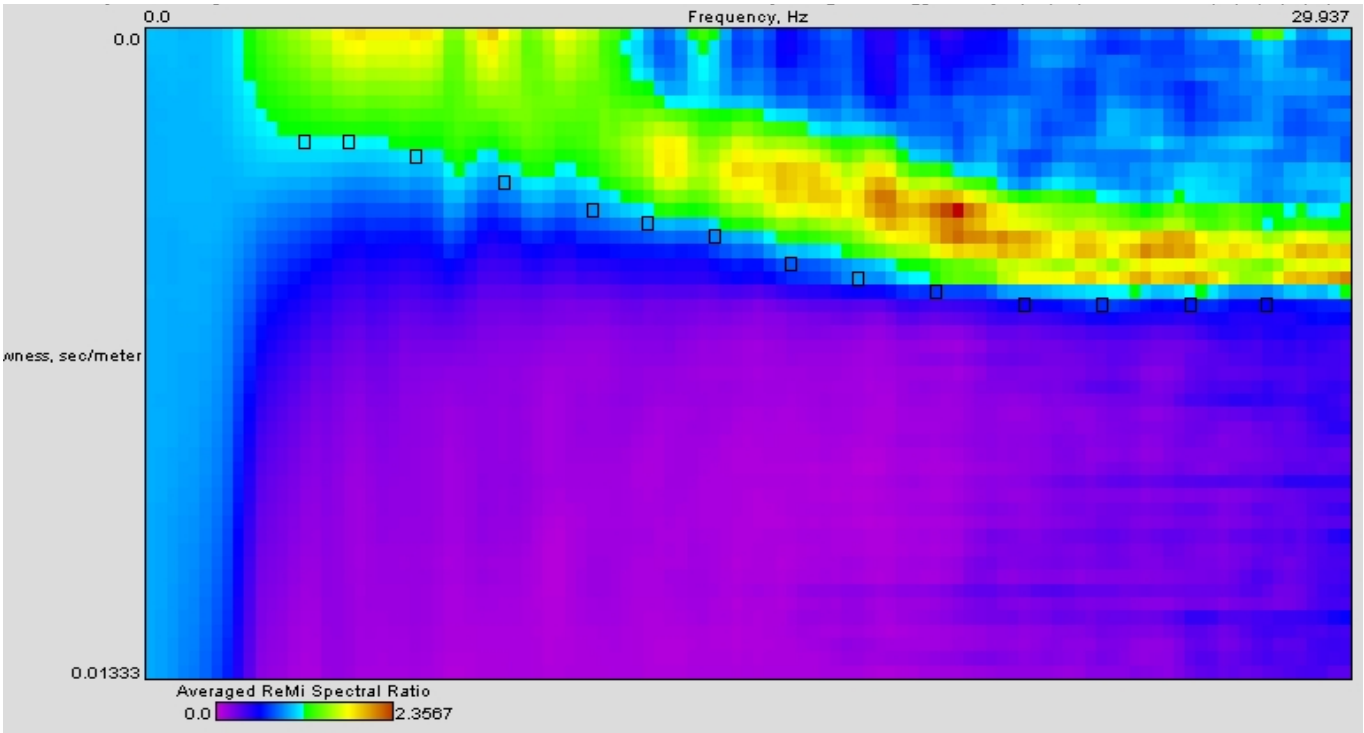
Line Number	Array 7
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

Dispersion Curve Showing Picks and Fit



Geophone Spacing (ft) 5 Sampling Interval (ms) 2

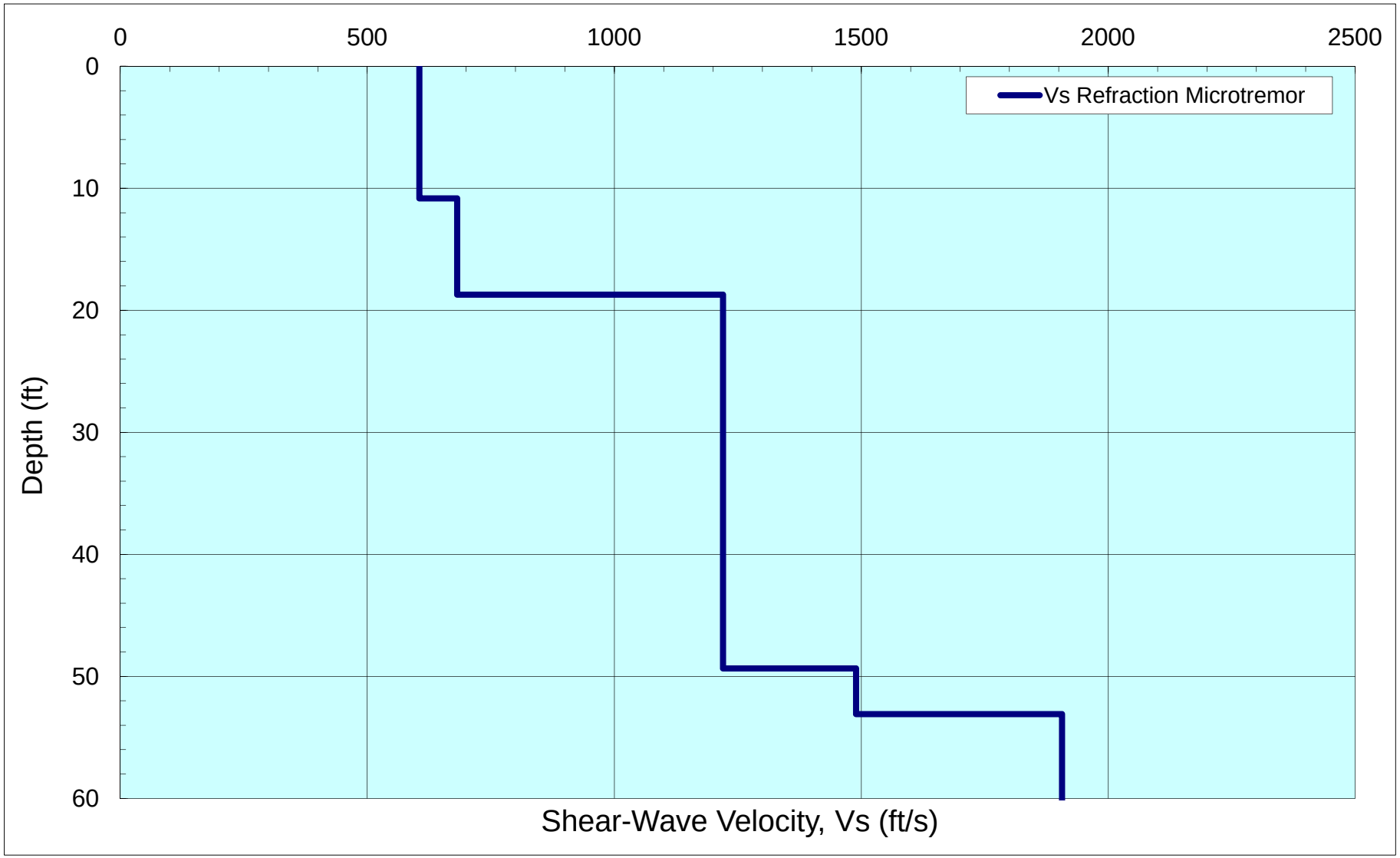
p-f Image with Dispersion Modeling Picks



Information To Build On
Engineering • Consulting • Testing

Line Number	Array 8 (Geophones 1-24)
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

Shear Wave Velocity Profile Vs. Depth

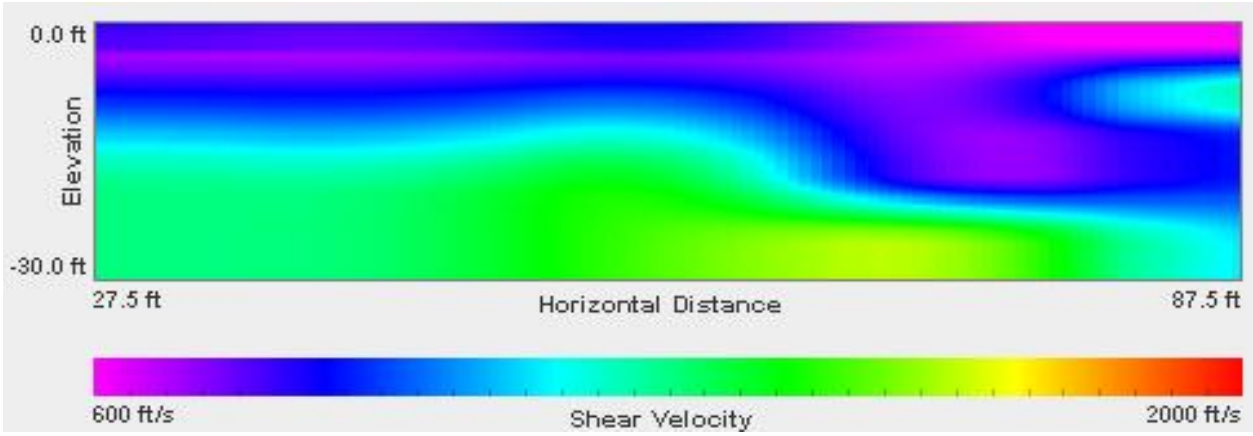


psi Information To Build On
Engineering • Consulting • Testing

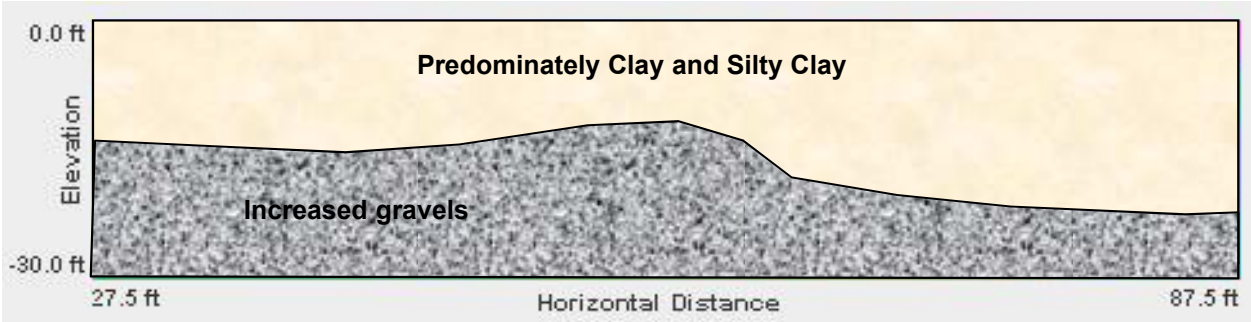
IBC Site Class	**N/A**
Average Shearwave Velocity within 100 feet, V_s (ft/s)	**N/A**

Line Number	**Array 8 (Geophones 1-24)**
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville - Colorado

2-Dimensional Profile Line 8



2-Dimensional Interpretation Profile Line 8



psi Information To Build On
Engineering • Consulting • Testing

Line Number	Array 8
Project Number	0532546
Project Name	Leadville - HDR
Location	Leadville, Colorado

APPENDIX D - GEOTECHNICAL DATA

APPENDIX D.1	**Atterberg Limits (ASTM D 4318)**
	Grain Size (ASTM D 422/ASTM D 1140)
APPENDIX D.2	**Moisture Content (ASTM D2216)**
APPENDIX D.3	**Density (ASTM D1557)**
APPENDIX D.4	**Shear Strength ASTM D4767-11**
APPENDIX D.5	**Flexible Wall Permeability (ASTM D5084 – 10)**

APPENDIX D.1

ATTERBERG LIMITS: ASTM D 4318
GRAIN SIZE (ASTM D 422/ASTM D 1140)

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You must enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	California Gulch
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GT-14	33-35	Silty Sand	NP	NP	NP	SM	A-2-4	0
GT-7	41194	Silt with Sand	NP	NP	NP	ML	A-4	0
GT-18	23-25	Clayey Gravel with Sand	27	13	14	GC	A-2-6	0
GT-14	38-40	Clayey Sand	28	13	15	SC	A-2-6	0
GT-14	3 TO 5	Clayey Sand	35	14	21	SC	A-2-6	0

Every field in the column
must have a number

IF NO DATA, LEAVE BLANK

SIEVE OPENING	GT-14 % FINER	GT-7 % FINER	GT-18 % FINER	GT-14 % FINER	GT-14 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	95	100	57	100	77	3/4"	19
3/8"	86	100	40	96	72	3/8"	9.5
#4	80	100	35	90	69	#4	4.75
#10	69	99	30	76	65	#10	2
#16	61	99	28	65	60	#16	1.18
#30	49	97	26	52	59	#30	0.6
#40	44	96	25	47	42	#40	0.425
#100	32	89	21	35	30	#100	0.15
#200	26	71	16	29	26	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 458.27 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	24.20	5.3	94.7
3/8"	63.44	13.8	86.2
NO. 4	93.27	20.4	79.6
NO. 10	142.95	31.2	68.8
NO. 16	180.72	39.4	60.6
NO. 30	234.28	51.1	48.9
NO. 40	257.77	56.2	43.8
NO. 100	311.43	68.0	32.0
NO. 200	339.26	74.0	26.0

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-14
DEPTH: 33-35

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 108.28 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4	0.21	0.2	99.8
NO. 10	1.08	1.0	99.0
NO. 16	1.48	1.4	98.6
NO. 30	2.72	2.5	97.5
NO. 40	4.04	3.7	96.3
NO. 100	12.33	11.4	88.6
NO. 200	31.08	28.7	71.3

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-7

DEPTH: 12-Oct

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 157.97 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	68.28	43.2	56.8
3/8"	94.21	59.6	40.4
NO. 4	103.19	65.3	34.7
NO. 10	110.18	69.7	30.3
NO. 16	113.60	71.9	28.1
NO. 30	116.74	73.9	26.1
NO. 40	118.05	74.7	25.3
NO. 100	124.52	78.8	21.2
NO. 200	132.89	84.1	15.9

ATTERBERG LIMITS

TRIAL #1		
BLOWS		27
DISH NUMBER	PL13	T-2
WET WEIGHT	28.87	28.85
DRY WEIGHT	27.92	27.12
DISH WEIGHT	20.63	20.54
WEIGHT OF WATER	0.95	1.73
WEIGHT OF DRY SOIL	7.29	6.58
PERCENT MOISTURE	13.0	26.3
LIQUID LIMIT	27	
PLASTIC LIMIT	13	
PLASTICITY INDEX	14	

SAMPLE NAME: GT-18
DEPTH: 23-25

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 123.24 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	4.33	3.5	96.5
NO. 4	12.74	10.3	89.7
NO. 10	29.51	23.9	76.1
NO. 16	43.50	35.3	64.7
NO. 30	59.50	48.3	51.7
NO. 40	65.86	53.4	46.6
NO. 100	80.48	65.3	34.7
NO. 200	88.00	71.4	28.6

SAMPLE NAME: GT-14
DEPTH: 38-40

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	LL3	LL12
WET WEIGHT	28.72	28.90
DRY WEIGHT	27.82	27.10
DISH WEIGHT	20.66	20.76
WEIGHT OF WATER	0.90	1.80
WEIGHT OF DRY SOIL	7.16	6.34
PERCENT MOISTURE	12.6	28.4
LIQUID LIMIT	28	
PLASTIC LIMIT	13	
PLASTICITY INDEX	15	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 190.21 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	43.27	22.7	77.3
3/8"	53.42	28.1	71.9
NO. 4	58.30	30.7	69.3
NO. 10	66.50	35.0	65.0
NO. 16	76.24	40.1	59.9
NO. 30	78.47	41.3	58.7
NO. 40	110.06	57.9	42.1
NO. 100	132.86	69.8	30.2
NO. 200	141.70	74.5	25.5

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	PL3	PL10
WET WEIGHT	28.74	28.82
DRY WEIGHT	27.76	26.68
DISH WEIGHT	20.63	20.67
WEIGHT OF WATER	0.98	2.14
WEIGHT OF DRY SOIL	7.13	6.01
PERCENT MOISTURE	13.7	35.6
LIQUID LIMIT	35	
PLASTIC LIMIT	14	
PLASTICITY INDEX	21	

SAMPLE NAME: GT-14
DEPTH: 3 TO 5

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You must enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	California Gulch
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GT-4	10 TO 12	Silty Gravel	NP	NP	NP	GM	A-2-4	0
GT-6	5 TO 7	Silty Gravel	NP	NP	NP	GM	A-4	0
GT-1	9 TO 11	Clay	39	23	16	CL	A-6	7
GT-9	33-35	Clay	46	22	24	CL	A-7-6	21
GT-9	3 TO 5	Clay	44	18	26	CL	A-7-6	16

Every field in the column must have a number

SIEVE OPENING	GT-4 % FINER	GT-6 % FINER	GT-1 % FINER	GT-9 % FINER	GT-9 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
	IF NO DATA, LEAVE BLANK						
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	77	75	100	100	100	3/4"	19
3/8"	50	68	100	100	100	3/8"	9.5
#4	43	61	99	100	96	#4	4.75
#10	40	57	99	100	95	#10	2
#16	38	54	99	100	93	#16	1.18
#30	36	50	98	100	92	#30	0.6
#40	35	48	98	100	91	#40	0.425
#100	30	43	79	97	82	#100	0.15
#200	26	36	56	85	69	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 105.29 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	24.06	22.9	77.1
3/8"	52.14	49.5	50.5
NO. 4	59.65	56.7	43.3
NO. 10	63.02	59.9	40.1
NO. 16	64.85	61.6	38.4
NO. 30	67.40	64.0	36.0
NO. 40	68.79	65.3	34.7
NO. 100	73.44	69.8	30.2
NO. 200	78.42	74.5	25.5

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-4
DEPTH: 10 TO 12

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 110.60 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	27.60	25.0	75.0
3/8"	35.48	32.1	67.9
NO. 4	42.65	38.6	61.4
NO. 10	48.09	43.5	56.5
NO. 16	51.12	46.2	53.8
NO. 30	54.93	49.7	50.3
NO. 40	57.00	51.5	48.5
NO. 100	63.26	57.2	42.8
NO. 200	71.18	64.4	35.6

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-6
DEPTH: 5 TO 7

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 122.27 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4	0.63	0.5	99.5
NO. 10	0.98	0.8	99.2
NO. 16	1.12	0.9	99.1
NO. 30	1.88	1.5	98.5
NO. 40	2.89	2.4	97.6
NO. 100	26.06	21.3	78.7
NO. 200	53.24	43.5	56.5

ATTERBERG LIMITS

TRIAL #1		
BLOWS		25
DISH NUMBER	LL4	LL10
WET WEIGHT	28.88	28.66
DRY WEIGHT	27.35	26.37
DISH WEIGHT	20.73	20.53
WEIGHT OF WATER	1.53	2.29
WEIGHT OF DRY SOIL	6.62	5.84
PERCENT MOISTURE	23.1	39.2
LIQUID LIMIT	39	
PLASTIC LIMIT	23	
PLASTICITY INDEX	16	

SAMPLE NAME: GT-1
DEPTH: 9 TO 11

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 114.58 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4		0.0	100.0
NO. 10		0.0	100.0
NO. 16	0.05	0.0	100.0
NO. 30	0.18	0.2	99.8
NO. 40	0.32	0.3	99.7
NO. 100	3.18	2.8	97.2
NO. 200	16.66	14.5	85.5

SAMPLE NAME: GT-9
DEPTH: 33-35

ATTERBERG LIMITS

TRIAL #1		
BLOWS		25
DISH NUMBER	PL11	LL8
WET WEIGHT	28.63	29.15
DRY WEIGHT	27.17	26.48
DISH WEIGHT	20.61	20.65
WEIGHT OF WATER	1.46	2.67
WEIGHT OF DRY SOIL	6.56	5.83
PERCENT MOISTURE	22.3	45.8
LIQUID LIMIT	46	
PLASTIC LIMIT	22	
PLASTICITY INDEX	24	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 136.55 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4	5.46	4.0	96.0
NO. 10	7.47	5.5	94.5
NO. 16	9.03	6.6	93.4
NO. 30	11.15	8.2	91.8
NO. 40	12.74	9.3	90.7
NO. 100	24.94	18.3	81.7
NO. 200	41.65	30.5	69.5

ATTERBERG LIMITS

TRIAL #1		
BLOWS		25
DISH NUMBER	DN1	P-1
WET WEIGHT	28.88	29.34
DRY WEIGHT	27.65	26.73
DISH WEIGHT	20.68	20.74
WEIGHT OF WATER	1.23	2.61
WEIGHT OF DRY SOIL	6.97	5.99
PERCENT MOISTURE	17.6	43.6
LIQUID LIMIT	44	
PLASTIC LIMIT	18	
PLASTICITY INDEX	26	

SAMPLE NAME: GT-9
DEPTH: 3 TO 5

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V. 6. 4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You ~~must~~ enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	California Gulch
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GT-12	5 TO 7	Clayey Sand	33	15	18	SC	A-6	4
GT-11	10 TO 12	Clay	27	13	14	CL	A-6	3
GT-15	9 TO 11	Clayey Sand	30	13	17	SC	A-6	4
GT-2	19 -21	Clayey Sand	39	21	18	SC	A-6	5
GT-3	39-41	Silty Sand	NP	NP	NP	SM	A-4	0

Every field in the column
must have a number

SIEVE OPENING	GT-12 % FINER	GT-11 % FINER	GT-15 % FINER	GT-2 % FINER	GT-3 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
	IF NO DATA, LEAVE BLANK						
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	88	100	100	69	100	3/4"	19
3/8"	82	98	98	67	89	3/8"	9.5
#4	80	95	95	63	86	#4	4.75
#10	75	91	89	60	83	#10	2
#16	73	87	84	59	82	#16	1.18
#30	70	82	75	57	69	#30	0.6
#40	69	79	71	56	63	#40	0.425
#100	58	65	57	52	51	#100	0.15
#200	45	50	46	47	43	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 229.81 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	26.67	11.6	88.4
3/8"	40.33	17.5	82.5
NO. 4	45.18	19.7	80.3
NO. 10	57.01	24.8	75.2
NO. 16	62.71	27.3	72.7
NO. 30	68.43	29.8	70.2
NO. 40	71.76	31.2	68.8
NO. 100	95.71	41.6	58.4
NO. 200	126.63	55.1	44.9

SAMPLE NAME: GT-12
DEPTH: 5 TO 7

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	PL10	PL3
WET WEIGHT	28.74	30.30
DRY WEIGHT	27.66	27.86
DISH WEIGHT	20.68	20.63
WEIGHT OF WATER	1.08	2.44
WEIGHT OF DRY SOIL	6.98	7.23
PERCENT MOISTURE	15.5	33.7
LIQUID LIMIT	33	
PLASTIC LIMIT	15	
PLASTICITY INDEX	18	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 110.32 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	1.81	1.6	98.4
NO. 4	5.81	5.3	94.7
NO. 10	10.25	9.3	90.7
NO. 16	14.17	12.8	87.2
NO. 30	20.29	18.4	81.6
NO. 40	23.59	21.4	78.6
NO. 100	38.42	34.8	65.2
NO. 200	55.00	49.9	50.1

SAMPLE NAME: GT-11
DEPTH: 10 TO 12

ATTERBERG LIMITS

TRIAL #1		
BLOWS		27
DISH NUMBER	LL3	LL12
WET WEIGHT	28.70	29.35
DRY WEIGHT	27.75	27.52
DISH WEIGHT	20.66	20.75
WEIGHT OF WATER	0.95	1.83
WEIGHT OF DRY SOIL	7.09	6.77
PERCENT MOISTURE	13.4	27.0
LIQUID LIMIT	27	
PLASTIC LIMIT	13	
PLASTICITY INDEX	14	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 335.02 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	6.47	1.9	98.1
NO. 4	17.29	5.2	94.8
NO. 10	36.34	10.8	89.2
NO. 16	54.05	16.1	83.9
NO. 30	83.06	24.8	75.2
NO. 40	98.21	29.3	70.7
NO. 100	142.89	42.7	57.3
NO. 200	179.52	53.6	46.4

SAMPLE NAME: GT-15
DEPTH: 9 TO 11

ATTERBERG LIMITS

TRIAL #1		
BLOWS		25
DISH NUMBER	DN1	P-1
WET WEIGHT	28.81	30.55
DRY WEIGHT	27.87	28.22
DISH WEIGHT	20.68	20.53
WEIGHT OF WATER	0.94	2.33
WEIGHT OF DRY SOIL	7.19	7.69
PERCENT MOISTURE	13.1	30.3
LIQUID LIMIT	30	
PLASTIC LIMIT	13	
PLASTICITY INDEX	17	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 137.64 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	42.53	30.9	69.1
3/8"	45.38	33.0	67.0
NO. 4	50.31	36.6	63.4
NO. 10	54.46	39.6	60.4
NO. 16	56.44	41.0	59.0
NO. 30	59.01	42.9	57.1
NO. 40	60.45	43.9	56.1
NO. 100	66.54	48.3	51.7
NO. 200	72.63	52.8	47.2

ATTERBERG LIMITS

TRIAL #1		
BLOWS		23
DISH NUMBER	PL13	T-2
WET WEIGHT	29.03	28.81
DRY WEIGHT	27.59	26.49
DISH WEIGHT	20.65	20.53
WEIGHT OF WATER	1.44	2.32
WEIGHT OF DRY SOIL	6.94	5.96
PERCENT MOISTURE	20.7	38.9
LIQUID LIMIT	39	
PLASTIC LIMIT	21	
PLASTICITY INDEX	18	

SAMPLE NAME: GT-2
DEPTH: 19 - 21

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 108.42 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	11.45	10.6	89.4
NO. 4	15.11	13.9	86.1
NO. 10	18.03	16.6	83.4
NO. 16	19.76	18.2	81.8
NO. 30	33.97	31.3	68.7
NO. 40	39.87	36.8	63.2
NO. 100	52.90	48.8	51.2
NO. 200	62.18	57.4	42.6

SAMPLE NAME: GT-3
DEPTH: 39-41

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You must enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	California Gulch
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GT-16	39-41	Silty Sand	NP	NP	NP	SM	A-4	0
GT-18	8 TO 10	Silty Sand	NP	NP	NP	SM	A-2-4	0
GT-13	10 TO 12	Clayey Sand	40	15	25	SC	A-6	4
GT-1	44-46	Clay	27	18	9	CL	A-4	2
GT-17	4 TO 6	Clayey Sand	31	14	17	SC	A-2-6	0

Every field in the column must have a number

SIEVE OPENING	GT-16 % FINER	GT-18 % FINER	GT-13 % FINER	GT-1 % FINER	GT-17 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
	IF NO DATA, LEAVE BLANK						
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	100	100	100	100	100	3/4"	19
3/8"	100	100	95	95	86	3/8"	9.5
#4	100	100	89	91	69	#4	4.75
#10	100	100	85	85	54	#10	2
#16	100	100	77	81	47	#16	1.18
#30	99	92	62	76	38	#30	0.6
#40	96	85	56	74	33	#40	0.425
#100	66	49	46	64	22	#100	0.15
#200	43	29	38	53	18	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 126.21 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4		0.0	100.0
NO. 10	0.02	0.0	100.0
NO. 16	0.03	0.0	100.0
NO. 30	1.43	1.1	98.9
NO. 40	4.61	3.7	96.3
NO. 100	42.91	34.0	66.0
NO. 200	71.70	56.8	43.2

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-16
DEPTH: 39-41

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 147.68 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4	0.20	0.1	99.9
NO. 10	0.37	0.3	99.7
NO. 16	0.59	0.4	99.6
NO. 30	11.98	8.1	91.9
NO. 40	22.40	15.2	84.8
NO. 100	75.56	51.2	48.8
NO. 200	104.33	70.6	29.4

SAMPLE NAME: GT-18
DEPTH: 8 TO 10

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 130.03 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	6.94	5.3	94.7
NO. 4	14.15	10.9	89.1
NO. 10	20.07	15.4	84.6
NO. 16	29.64	22.8	77.2
NO. 30	49.91	38.4	61.6
NO. 40	56.71	43.6	56.4
NO. 100	70.72	54.4	45.6
NO. 200	80.82	62.2	37.8

SAMPLE NAME: GT-13
DEPTH: 10 TO 12

ATTERBERG LIMITS

TRIAL #1		
BLOWS		26
DISH NUMBER	PL11	LL8
WET WEIGHT	28.62	29.68
DRY WEIGHT	27.56	27.11
DISH WEIGHT	20.60	20.64
WEIGHT OF WATER	1.06	2.57
WEIGHT OF DRY SOIL	6.96	6.47
PERCENT MOISTURE	15.2	39.7
LIQUID LIMIT	40	
PLASTIC LIMIT	15	
PLASTICITY INDEX	25	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 119.15 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	5.78	4.9	95.1
NO. 4	10.22	8.6	91.4
NO. 10	17.95	15.1	84.9
NO. 16	22.71	19.1	80.9
NO. 30	28.08	23.6	76.4
NO. 40	31.33	26.3	73.7
NO. 100	43.33	36.4	63.6
NO. 200	55.87	46.9	53.1

SAMPLE NAME: GT-1
DEPTH: 44-46

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	LL10	LL4
WET WEIGHT	28.70	29.77
DRY WEIGHT	27.45	27.81
DISH WEIGHT	20.52	20.72
WEIGHT OF WATER	1.25	1.96
WEIGHT OF DRY SOIL	6.93	7.09
PERCENT MOISTURE	18.0	27.6
LIQUID LIMIT	27	
PLASTIC LIMIT	18	
PLASTICITY INDEX	9	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 236.39 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	33.72	14.3	85.7
NO. 4	72.44	30.6	69.4
NO. 10	107.65	45.5	54.5
NO. 16	125.31	53.0	47.0
NO. 30	147.70	62.5	37.5
NO. 40	158.98	67.3	32.7
NO. 100	183.24	77.5	22.5
NO. 200	193.45	81.8	18.2

SAMPLE NAME: GT-17
DEPTH: 4 TO 6

ATTERBERG LIMITS

TRIAL #1		
BLOWS		24
DISH NUMBER	PL13	T-2
WET WEIGHT	28.93	28.93
DRY WEIGHT	27.93	26.94
DISH WEIGHT	20.65	20.53
WEIGHT OF WATER	1.00	1.99
WEIGHT OF DRY SOIL	7.28	6.41
PERCENT MOISTURE	13.7	31.0
LIQUID LIMIT	31	
PLASTIC LIMIT	14	
PLASTICITY INDEX	17	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You ~~must~~ enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	California Gulch
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GT-2	4 to 6	Clay	24	12	12	CL	A-6	3
GT-3	9 TO 11	Fat Clay	50	22	28	CH	A-7-6	26
0	0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
0	0		NP	NP	NP	#DIV/0!	#DIV/0!	#DIV/0!

Every field in the column must have a number

IF NO DATA, LEAVE BLANK

SIEVE OPENING	GT-2 % FINER	GT-3 % FINER	0 % FINER	0 % FINER	0 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
1 1/2"	100	100	#DIV/0!	#DIV/0!	#DIV/0!	1 1/2"	37.5
3/4"	100	100	#DIV/0!	#DIV/0!	#DIV/0!	3/4"	19
3/8"	96	99	#DIV/0!	#DIV/0!	#DIV/0!	3/8"	9.5
#4	94	98	#DIV/0!	#DIV/0!	#DIV/0!	#4	4.75
#10	89	97	#DIV/0!	#DIV/0!	#DIV/0!	#10	2
#16	87	96	#DIV/0!	#DIV/0!	#DIV/0!	#16	1.18
#30	85	95	#DIV/0!	#DIV/0!	#DIV/0!	#30	0.6
#40	84	94	#DIV/0!	#DIV/0!	#DIV/0!	#40	0.425
#100	74	92	#DIV/0!	#DIV/0!	#DIV/0!	#100	0.15
#200	54	88	#DIV/0!	#DIV/0!	#DIV/0!	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 269.52 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	10.38	3.9	96.1
NO. 4	17.13	6.4	93.6
NO. 10	28.46	10.6	89.4
NO. 16	34.65	12.9	87.1
NO. 30	41.22	15.3	84.7
NO. 40	44.43	16.5	83.5
NO. 100	71.26	26.4	73.6
NO. 200	124.49	46.2	53.8

SAMPLE NAME: GT-2
DEPTH: 4 to 6

ATTERBERG LIMITS

TRIAL #1		
BLOWS		26
DISH NUMBER	PL3	PL10
WET WEIGHT	28.66	28.71
DRY WEIGHT	27.80	27.19
DISH WEIGHT	20.65	20.71
WEIGHT OF WATER	0.86	1.52
WEIGHT OF DRY SOIL	7.15	6.48
PERCENT MOISTURE	12.0	23.5
LIQUID LIMIT	24	
PLASTIC LIMIT	12	
PLASTICITY INDEX	12	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 138.27 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	1.05	0.8	99.2
NO. 4	2.29	1.7	98.3
NO. 10	4.16	3.0	97.0
NO. 16	5.40	3.9	96.1
NO. 30	6.99	5.1	94.9
NO. 40	7.83	5.7	94.3
NO. 100	11.71	8.5	91.5
NO. 200	16.80	12.2	87.8

ATTERBERG LIMITS

TRIAL #1		
BLOWS		23
DISH NUMBER	LL3	LL12
WET WEIGHT	28.87	29.32
DRY WEIGHT	27.37	26.46
DISH WEIGHT	20.67	20.75
WEIGHT OF WATER	1.50	2.86
WEIGHT OF DRY SOIL	6.70	5.71
PERCENT MOISTURE	22.4	50.1
LIQUID LIMIT	50	
PLASTIC LIMIT	22	
PLASTICITY INDEX	28	

SAMPLE NAME: GT-3
DEPTH: 9 TO 11

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V. 6. 4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You must enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	Leadville
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GB-2	5 to 7	Clay	39	21	18	CL	A-6	6
RB-1	5 to 7	Clayey Sand	31	16	15	SC	A-6	1
GB-1	28 to 30	Clay	35	15	20	CL	A-6	9
RB-1	20 to 21.5	Clayey Sand	37	16	21	SC	A-2-6	2
GB-1	20 to 21	Gravelly Clay	31	18	13	GC	A-2-6	0

Every field in the column
must have a number

SIEVE OPENING	GB-2 % FINER	RB-1 % FINER	GB-1 % FINER	RB-1 % FINER	GB-1 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
	IF NO DATA, LEAVE BLANK						
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	100	85	100	100	57	3/4"	19
3/8"	97	82	100	94	37	3/8"	9.5
#4	93	77	100	88	32	#4	4.75
#10	87	70	99	82	29	#10	2
#16	84	67	97	75	26	#16	1.18
#30	79	63	92	61	24	#30	0.6
#40	75	61	88	55	24	#40	0.425
#100	59	48	76	42	20	#100	0.15
#200	51	37	62	35	18	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 115.75 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"	3.27	3	97
NO. 4	8.03	7	93
NO. 10	15.02	13	87
NO. 16	18.39	16	84
NO. 30	24.68	21	79
NO. 40	29.43	25	75
NO. 100	47.07	41	59
NO. 200	56.63	49	51

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	PL3	PL10
WET WEIGHT	28.74	28.95
DRY WEIGHT	27.31	26.60
DISH WEIGHT	20.65	20.62
WEIGHT OF WATER	1.43	2.35
WEIGHT OF DRY SOIL	6.66	5.98
PERCENT MOISTURE	21.5	39.3
LIQUID LIMIT	39	
PLASTIC LIMIT	21	
PLASTICITY INDEX	18	

SAMPLE NAME: GB-2
DEPTH: 5 to 7

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 129.51 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"	19.52	15	85
3/8"	23.47	18	82
NO. 4	29.74	23	77
NO. 10	38.60	30	70
NO. 16	42.17	33	67
NO. 30	47.65	37	63
NO. 40	50.91	39	61
NO. 100	67.30	52	48
NO. 200	81.96	63	37

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	PR-20	LL15
WET WEIGHT	28.73	30.90
DRY WEIGHT	27.62	28.45
DISH WEIGHT	20.52	20.60
WEIGHT OF WATER	1.11	2.45
WEIGHT OF DRY SOIL	7.10	7.85
PERCENT MOISTURE	15.6	31.2
LIQUID LIMIT	31	
PLASTIC LIMIT	16	
PLASTICITY INDEX	15	

SAMPLE NAME: RB-1
DEPTH: 5 to 7

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 108.61 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"		0	100
NO. 4	0.12	0	100
NO. 10	1.15	1	99
NO. 16	3.62	3	97
NO. 30	9.19	8	92
NO. 40	12.54	12	88
NO. 100	26.40	24	76
NO. 200	41.29	38	62

ATTERBERG LIMITS

TRIAL #1		
BLOWS		24
DISH NUMBER	PL7	T-1
WET WEIGHT	29.14	29.80
DRY WEIGHT	28.03	27.41
DISH WEIGHT	20.66	20.64
WEIGHT OF WATER	1.11	2.39
WEIGHT OF DRY SOIL	7.37	6.77
PERCENT MOISTURE	15.1	35.3
LIQUID LIMIT	35	
PLASTIC LIMIT	15	
PLASTICITY INDEX	20	

SAMPLE NAME: GB-1
DEPTH: 28 to 30

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 114.25 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"	6.45	6	94
NO. 4	13.28	12	88
NO. 10	20.87	18	82
NO. 16	28.58	25	75
NO. 30	44.80	39	61
NO. 40	51.98	45	55
NO. 100	66.06	58	42
NO. 200	73.75	65	35

ATTERBERG LIMITS

TRIAL #1		
BLOWS		25
DISH NUMBER	LL8	PL1
WET WEIGHT	28.74	29.29
DRY WEIGHT	27.59	26.96
DISH WEIGHT	20.62	20.67
WEIGHT OF WATER	1.15	2.33
WEIGHT OF DRY SOIL	6.97	6.29
PERCENT MOISTURE	16.5	37.0
LIQUID LIMIT	37	
PLASTIC LIMIT	16	
PLASTICITY INDEX	21	

SAMPLE NAME: RB-1
DEPTH: 20 to 21.5

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 160.94 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"	69.95	43	57
3/8"	101.12	63	37
NO. 4	109.23	68	32
NO. 10	115.05	71	29
NO. 16	118.41	74	26
NO. 30	122.04	76	24
NO. 40	122.99	76	24
NO. 100	128.10	80	20
NO. 200	132.60	82	18

ATTERBERG LIMITS

TRIAL #1		
BLOWS		27
DISH NUMBER	DN1	Cat
WET WEIGHT	28.82	28.70
DRY WEIGHT	27.60	26.78
DISH WEIGHT	20.69	20.54
WEIGHT OF WATER	1.22	1.92
WEIGHT OF DRY SOIL	6.91	6.24
PERCENT MOISTURE	17.7	30.8
LIQUID LIMIT	31	
PLASTIC LIMIT	18	
PLASTICITY INDEX	13	

SAMPLE NAME: GB-1
DEPTH: 20 to 21

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is leave it blank. You must enter a sample name for the plot to work. To clear a section, highlight, then choose clear - contents from the edit menu.

July 14, 1999

PROJECT NAME:	Leadvill
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
RB-2	25 to 26.5	Clayey Sand	40	22	18	SC	A-6	5
RB-2	4 to 5.5	Clayey Sand	35	16	19	SC	A-6	3
MB-1	4.5 to 6.5	Silty Sand	NP	NP	NP	SM	A-2-4	0
GB-2	20 to 22	Clayey Sand	18	11	7	SC	A-2-4	0
0	0		NP	NP	NP	#DIV/0!	#DIV/0!	#DIV/0!

Every field in the column must have a number

IF NO DATA, LEAVE BLANK

SIEVE OPENING	RB-2 % FINER	RB-2 % FINER	MB-1 % FINER	GB-2 % FINER	0 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
1 1/2"	100	100	100	100	#DIV/0!	1 1/2"	37.5
3/4"	100	86	83	100	#DIV/0!	3/4"	19
3/8"	100	86	77	91	#DIV/0!	3/8"	9.5
#4	98	77	73	85	#DIV/0!	#4	4.75
#10	91	69	65	76	#DIV/0!	#10	2
#16	85	65	62	70	#DIV/0!	#16	1.18
#30	74	58	57	59	#DIV/0!	#30	0.6
#40	68	46	55	54	#DIV/0!	#40	0.425
#100	53	45	43	35	#DIV/0!	#100	0.15
#200	46	38	27	25	#DIV/0!	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 112.99 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"		0	100
NO. 4	2.17	2	98
NO. 10	10.41	9	91
NO. 16	17.27	15	85
NO. 30	29.77	26	74
NO. 40	36.22	32	68
NO. 100	52.90	47	53
NO. 200	61.42	54	46

ATTERBERG LIMITS

TRIAL #1		
BLOWS		27
DISH NUMBER	LL7	Z-3
WET WEIGHT	29.04	28.78
DRY WEIGHT	27.54	26.46
DISH WEIGHT	20.66	20.55
WEIGHT OF WATER	1.50	2.32
WEIGHT OF DRY SOIL	6.88	5.91
PERCENT MOISTURE	21.8	39.3
LIQUID LIMIT	40	
PLASTIC LIMIT	22	
PLASTICITY INDEX	18	

SAMPLE NAME: RB-2
DEPTH: 25 to 26.5

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 109.51 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"	15.37	14	86
3/8"	15.37	14	86
NO. 4	24.98	23	77
NO. 10	33.73	31	69
NO. 16	38.76	35	65
NO. 30	45.59	42	58
NO. 40	58.96	54	46
NO. 100	59.95	55	45
NO. 200	68.17	62	38

ATTERBERG LIMITS

TRIAL #1		
BLOWS		25
DISH NUMBER	PL11	P-1
WET WEIGHT	29.41	29.12
DRY WEIGHT	28.19	26.95
DISH WEIGHT	20.60	20.74
WEIGHT OF WATER	1.22	2.17
WEIGHT OF DRY SOIL	7.59	6.21
PERCENT MOISTURE	16.1	34.9
LIQUID LIMIT	35	
PLASTIC LIMIT	16	
PLASTICITY INDEX	19	

SAMPLE NAME: RB-2
DEPTH: 4 to 5.5

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 158.91 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"	27.31	17	83
3/8"	36.62	23	77
NO. 4	43.62	27	73
NO. 10	55.59	35	65
NO. 16	60.08	38	62
NO. 30	67.90	43	57
NO. 40	70.94	45	55
NO. 100	91.31	57	43
NO. 200	116.20	73	27

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: MB-1
DEPTH: 4.5 to 6.5

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 110.68 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"	10.51	9	91
NO. 4	16.20	15	85
NO. 10	26.53	24	76
NO. 16	33.56	30	70
NO. 30	44.99	41	59
NO. 40	51.32	46	54
NO. 100	71.60	65	35
NO. 200	82.71	75	25

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	PL14	JA-0
WET WEIGHT	28.95	31.10
DRY WEIGHT	28.17	29.49
DISH WEIGHT	20.75	20.67
WEIGHT OF WATER	0.78	1.61
WEIGHT OF DRY SOIL	7.42	8.82
PERCENT MOISTURE	10.5	18.3
LIQUID LIMIT	18	
PLASTIC LIMIT	11	
PLASTICITY INDEX	7	

SAMPLE NAME: GB-2
DEPTH: 20 to 22

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You must enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	California Gulch, Leadville
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
OMB-1	5 TO 7	Clayey Sand	41	18	23	SC	A-7-6	6
NMB-2	20 TO 21	Clayey Sand	17	7	10	SC	A-2-4	0
GT - 11	22 TO 24	Clay	39	18	21	CL	A-6	15
GT - 5	20 TO 22	Silty Sand	NP	NP	NP	SM	A-4	0
GT - 5	10 TO 12	Silty Sand	NP	NP	NP	SM	A-4	0

Every field in the column must have a number

IF NO DATA, LEAVE BLANK

SIEVE OPENING	OMB-1 % FINER	NMB-2 % FINER	GT - 11 % FINER	GT - 5 % FINER	GT - 5 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	93	100	100	100	100	3/4"	19
3/8"	92	96	100	80	100	3/8"	9.5
#4	83	87	97	76	99	#4	4.75
#10	75	76	97	72	99	#10	2
#16	71	69	96	70	99	#16	1.18
#30	64	56	96	61	96	#30	0.6
#40	61	49	95	56	94	#40	0.425
#100	52	31	89	45	72	#100	0.15
#200	45	23	77	37	49	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 116.62 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"	7.93	7	93
3/8"	9.34	8	92
NO. 4	19.81	17	83
NO. 10	29.05	25	75
NO. 16	34.13	29	71
NO. 30	41.78	36	64
NO. 40	45.22	39	61
NO. 100	56.55	48	52
NO. 200	64.21	55	45

ATTERBERG LIMITS

TRIAL #1		
BLOWS		23
DISH NUMBER	PL13	T-2
WET WEIGHT	28.97	28.79
DRY WEIGHT	27.70	26.39
DISH WEIGHT	20.64	20.54
WEIGHT OF WATER	1.27	2.40
WEIGHT OF DRY SOIL	7.06	5.85
PERCENT MOISTURE	18.0	41.0
LIQUID LIMIT	41	
PLASTIC LIMIT	18	
PLASTICITY INDEX	23	

SAMPLE NAME: OMB-1
DEPTH: 5 TO 7

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 178.00 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"	7.30	4	96
NO. 4	23.60	13	87
NO. 10	43.14	24	76
NO. 16	55.82	31	69
NO. 30	77.83	44	56
NO. 40	90.79	51	49
NO. 100	123.60	69	31
NO. 200	136.76	77	23

ATTERBERG LIMITS

TRIAL #1		
BLOWS		27
DISH NUMBER	LL12	LL3
WET WEIGHT	29.10	29.45
DRY WEIGHT	28.53	28.18
DISH WEIGHT	20.77	20.68
WEIGHT OF WATER	0.57	1.27
WEIGHT OF DRY SOIL	7.76	7.50
PERCENT MOISTURE	7.3	16.9
LIQUID LIMIT	17	
PLASTIC LIMIT	7	
PLASTICITY INDEX	10	

SAMPLE NAME: NMB-2
DEPTH: 20 TO 21

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 151.05 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"		0	100
NO. 4	4.04	3	97
NO. 10	5.08	3	97
NO. 16	5.66	4	96
NO. 30	6.29	4	96
NO. 40	6.97	5	95
NO. 100	17.34	11	89
NO. 200	34.80	23	77

ATTERBERG LIMITS

TRIAL #1

BLOWS		23
DISH NUMBER	P - 1	LL8
WET WEIGHT	28.79	30.24
DRY WEIGHT	27.57	27.51
DISH WEIGHT	20.76	20.63
WEIGHT OF WATER	1.22	2.73
WEIGHT OF DRY SOIL	6.81	6.88
PERCENT MOISTURE	17.9	39.7
LIQUID LIMIT	39	
PLASTIC LIMIT	18	
PLASTICITY INDEX	21	

SAMPLE NAME: GT - 11
DEPTH: 22 TO 24

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 106.03 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"	21.17	20	80
NO. 4	25.22	24	76
NO. 10	29.88	28	72
NO. 16	32.32	30	70
NO. 30	41.63	39	61
NO. 40	46.40	44	56
NO. 100	58.75	55	45
NO. 200	67.09	63	37

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT - 5
DEPTH: 20 TO 22

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 100.00 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"		0	100
NO. 4	0.69	1	99
NO. 10	1.09	1	99
NO. 16	1.41	1	99
NO. 30	4.39	4	96
NO. 40	6.11	6	94
NO. 100	27.80	28	72
NO. 200	51.38	51	49

SAMPLE NAME: GT - 5
DEPTH: 10 TO 12

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

INSTRUCTIONS: Fill in the yellow sections. If there is July 14, 1999
leave it blank. You ~~must~~ enter a sample name for the
plot to work. To clear a section, highlight, then choose
clear - contents from the edit menu.

PROJECT NAME:	California Gulch, Leadville
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
OMB-1	20 TO 22	Gravelly Silt	NP	NP	NP	GM	A-4	0
0	0		#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
NMB 02	10 TO 12	Clayey Sand	20	13	7	SC	A-2-4	0
GT - 12	15 TO 17	Clayey Sand	43	15	28	SC	A-2-7	0
GT-7	40 TO 42	Silt	NP	NP	NP	ML	A-4	0

Every field in the column
must have a number

SIEVE OPENING	OMB-1 % FINER	0 % FINER	NMB 02 % FINER	GT - 12 % FINER	GT-7 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
	IF NO DATA, LEAVE BLANK						
1 1/2"	100	#DIV/0!	100	100	100	1 1/2"	37.5
3/4"	87	#DIV/0!	100	88	100	3/4"	19
3/8"	64	#DIV/0!	99	76	100	3/8"	9.5
#4	61	#DIV/0!	95	66	100	#4	4.75
#10	58	#DIV/0!	83	54	100	#10	2
#16	56	#DIV/0!	72	47	100	#16	1.18
#30	54	#DIV/0!	59	35	91	#30	0.6
#40	53	#DIV/0!	53	31	85	#40	0.425
#100	48	#DIV/0!	40	21	64	#100	0.15
#200	37	#DIV/0!	34	17	52	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 114.76 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"	15.41	13	87
3/8"	41.34	36	64
NO. 4	44.58	39	61
NO. 10	47.93	42	58
NO. 16	50.07	44	56
NO. 30	52.58	46	54
NO. 40	54.13	47	53
NO. 100	60.16	52	48
NO. 200	71.96	63	37

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: OMB-1
DEPTH: 20 TO 22

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 147.53 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"	1.74	1	99
NO. 4	7.36	5	95
NO. 10	24.70	17	83
NO. 16	41.17	28	72
NO. 30	60.57	41	59
NO. 40	69.08	47	53
NO. 100	88.29	60	40
NO. 200	97.32	66	34

SAMPLE NAME: NMB 02
DEPTH: 10 TO 12

ATTERBERG LIMITS

TRIAL #1		
BLOWS		25
DISH NUMBER	PL3	PL10
WET WEIGHT	29.10	30.54
DRY WEIGHT	28.13	28.92
DISH WEIGHT	20.68	20.69
WEIGHT OF WATER	0.97	1.62
WEIGHT OF DRY SOIL	7.45	8.23
PERCENT MOISTURE	13.0	19.7
LIQUID LIMIT	20	
PLASTIC LIMIT	13	
PLASTICITY INDEX	7	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 170.28 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"	20.26	12	88
3/8"	41.22	24	76
NO. 4	57.54	34	66
NO. 10	77.60	46	54
NO. 16	90.76	53	47
NO. 30	110.00	65	35
NO. 40	118.25	69	31
NO. 100	134.06	79	21
NO. 200	141.23	83	17

ATTERBERG LIMITS

TRIAL #1		
BLOWS		26
DISH NUMBER	T-2	PL13
WET WEIGHT	28.70	29.43
DRY WEIGHT	27.63	26.81
DISH WEIGHT	20.50	20.62
WEIGHT OF WATER	1.07	2.62
WEIGHT OF DRY SOIL	7.13	6.19
PERCENT MOISTURE	15.0	42.3
LIQUID LIMIT	43	
PLASTIC LIMIT	15	
PLASTICITY INDEX	28	

SAMPLE NAME: GT - 12
DEPTH: 15 TO 17

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 101.62 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0	100
3/4"		0	100
3/8"		0	100
NO. 4		0	100
NO. 10		0	100
NO. 16	0.01	0	100
NO. 30	8.72	9	91
NO. 40	15.75	15	85
NO. 100	37.05	36	64
NO. 200	48.40	48	52

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-7
DEPTH: 40 TO 42

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

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PROJECT NAME:	California Gulch, Leadville
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GT - 7	20 TO 22	Sandy Silt	NP	NP	NP	ML	A-4	0
GT - 10	25 TO 27	Sandy Fat Clay	62	21	41	CH	A-7-6	20
OMB-2	5 TO 7	Silty Sand	NP	NP	NP	SM	A-2-4	0
OMB-2	20 TO 22	Poorly Graded Sand with Silt	NP	NP	NP	GP-GM	A-1-a	0
GT-16	9 TO 11	Silty Gravel	NP	NP	NP	GM	A-1-b	0

Every field in the column must have a number

SIEVE OPENING	GT - 7 % FINER	GT - 10 % FINER	OMB-2 % FINER	OMB-2 % FINER	GT-16 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
	IF NO DATA, LEAVE BLANK						
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	100	100	100	27	57	3/4"	19
3/8"	100	84	85	21	56	3/8"	9.5
#4	100	80	75	16	53	#4	4.75
#10	100	78	61	12	50	#10	2
#16	100	76	53	11	47	#16	1.18
#30	100	74	44	9	38	#30	0.6
#40	100	73	40	9	33	#40	0.425
#100	87	64	31	6	21	#100	0.15
#200	61	58	26	5	16	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 101.47 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4		0.0	100.0
NO. 10	0.01	0.0	100.0
NO. 16	0.09	0.0	100.0
NO. 30	0.13	0.0	100.0
NO. 40	0.20	0.0	100.0
NO. 100	13.45	13.0	87.0
NO. 200	39.98	39.0	61.0

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT - 7
DEPTH: 20 TO 22

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 123.94 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	20.01	16.0	84.0
NO. 4	24.75	20.0	80.0
NO. 10	27.51	22.0	78.0
NO. 16	29.23	24.0	76.0
NO. 30	31.83	26.0	74.0
NO. 40	33.62	27.0	73.0
NO. 100	44.10	36.0	64.0
NO. 200	52.50	42.0	58.0

SAMPLE NAME: GT - 10
DEPTH: 25 TO 27

ATTERBERG LIMITS

TRIAL #1		
BLOWS		24
DISH NUMBER	LL4	LL10
WET WEIGHT	28.78	28.89
DRY WEIGHT	27.40	25.68
DISH WEIGHT	20.70	20.49
WEIGHT OF WATER	1.38	3.21
WEIGHT OF DRY SOIL	6.70	5.19
PERCENT MOISTURE	20.6	61.8
LIQUID LIMIT	62	
PLASTIC LIMIT	21	
PLASTICITY INDEX	41	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 115.35 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"	17.33	15.0	85.0
NO. 4	29.41	25.0	75.0
NO. 10	45.15	39.0	61.0
NO. 16	53.93	47.0	53.0
NO. 30	64.42	56.0	44.0
NO. 40	68.68	60.0	40.0
NO. 100	79.60	69.0	31.0
NO. 200	85.67	74.0	26.0

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: OMB-2
DEPTH: 5 TO 7

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 159.21 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	115.80	73.0	27.0
3/8"	125.21	79.0	21.0
NO. 4	133.60	84.0	16.0
NO. 10	140.10	88.0	12.0
NO. 16	142.21	89.0	11.0
NO. 30	144.48	91.0	9.0
NO. 40	145.63	91.0	9.0
NO. 100	148.95	94.0	6.0
NO. 200	151.03	95.0	5.0

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: OMB-2
DEPTH: 20 TO 22

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 325.11 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	140.96	43.0	57.0
3/8"	143.88	44.0	56.0
NO. 4	154.09	47.0	53.0
NO. 10	162.18	50.0	50.0
NO. 16	172.81	53.0	47.0
NO. 30	200.26	62.0	38.0
NO. 40	217.07	67.0	33.0
NO. 100	257.00	79.0	21.0
NO. 200	271.97	84.0	16.0

SAMPLE NAME: GT-16
DEPTH: 9 TO 11

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

GRADATION ANALYSIS PROGRAM V.6.4 by Steven Elliott/Patrick Carlin

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PROJECT NAME:	California Gulch, Leadville
PROJECT NUMBER:	0532511
FIGURE NUMBER:	

SAMPLE NAME	DEPTH	DESCRIPTION OF SAMPLE	IF NON-PLASTIC, ENTER NP IN BOTH LL	PL	PI	CLASSIFICATION USCS	AASHTO	GROUP INDEX
GT-16	19 TO 21	Gravelly Silt	NP	NP	NP	GM	A-1-a	0
GT-12	35 TO 37	Silty Sand	NP	NP	NP	SM	A-1-b	0
GT-12	45 TO 47	Sandy Clay	44	20	24	CL	A-7-6	24
GT-10	35 TO 37	Sandy Silt	73	42	31	MH	A-7-5	40
GT-11	15 TO 17	Clayey Sand	40	16	24	SC	A-2-6	0

Every field in the column
must have a number

IF NO DATA, LEAVE BLANK

SIEVE OPENING	GT-16 % FINER	GT-12 % FINER	GT-12 % FINER	GT-10 % FINER	GT-11 % FINER	SIEVE OPENING	GRAIN SIZE (mm)
1 1/2"	100	100	100	100	100	1 1/2"	37.5
3/4"	55	94	100	100	81	3/4"	19
3/8"	36	91	100	100	74	3/8"	9.5
#4	27	82	100	100	68	#4	4.75
#10	22	61	100	100	62	#10	2
#16	20	52	100	100	55	#16	1.18
#30	19	42	100	100	44	#30	0.6
#40	18	38	100	100	39	#40	0.425
#100	15	29	98	99	30	#100	0.15
#200	12	23	94	97	26	#200	0.075

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 371.22 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	168.89	45.5	54.5
3/8"	237.10	63.9	36.1
NO. 4	269.51	72.6	27.4
NO. 10	289.35	77.9	22.1
NO. 16	296.56	79.9	20.1
NO. 30	301.97	81.3	18.7
NO. 40	304.54	82.0	18.0
NO. 100	316.17	85.2	14.8
NO. 200	324.89	87.5	12.5

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-16
DEPTH: 19 TO 21

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 374.26 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	24.05	6.4	93.6
3/8"	35.17	9.4	90.6
NO. 4	65.56	17.5	82.5
NO. 10	144.62	38.6	61.4
NO. 16	180.31	48.2	51.8
NO. 30	215.40	57.6	42.4
NO. 40	230.53	61.6	38.4
NO. 100	267.27	71.4	28.6
NO. 200	287.40	76.8	23.2

ATTERBERG LIMITS

TRIAL #1		
BLOWS		
DISH NUMBER		
WET WEIGHT		
DRY WEIGHT		
DISH WEIGHT		
WEIGHT OF WATER	0.00	0.00
WEIGHT OF DRY SOIL	0.00	0.00
PERCENT MOISTURE	#DIV/0!	#DIV/0!
LIQUID LIMIT	NP	
PLASTIC LIMIT	NP	
PLASTICITY INDEX	NP	

SAMPLE NAME: GT-12
DEPTH: 35 TO 37

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 152.95 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4		0.0	100.0
NO. 10	0.06	0.0	100.0
NO. 16	0.09	0.1	99.9
NO. 30	0.13	0.1	99.9
NO. 40	0.23	0.2	99.8
NO. 100	2.55	1.7	98.3
NO. 200	9.61	6.3	93.7

SAMPLE NAME: GT-12
DEPTH: 45 TO 47

ATTERBERG LIMITS

TRIAL #1		
BLOWS		27
DISH NUMBER	PL13	T-2
WET WEIGHT	28.82	28.70
DRY WEIGHT	27.45	26.21
DISH WEIGHT	20.64	20.52
WEIGHT OF WATER	1.37	2.49
WEIGHT OF DRY SOIL	6.81	5.69
PERCENT MOISTURE	20.1	43.8
LIQUID LIMIT	44	
PLASTIC LIMIT	20	
PLASTICITY INDEX	24	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 116.59 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"		0.0	100.0
3/8"		0.0	100.0
NO. 4		0.0	100.0
NO. 10		0.0	100.0
NO. 16		0.0	100.0
NO. 30	0.07	0.1	99.9
NO. 40	0.18	0.2	99.8
NO. 100	0.92	0.8	99.2
NO. 200	4.03	3.5	96.5

SAMPLE NAME: GT-10
DEPTH: 35 TO 37

ATTERBERG LIMITS

TRIAL #1		
BLOWS		22
DISH NUMBER	T-2	PL13
WET WEIGHT	28.65	28.80
DRY WEIGHT	26.26	25.32
DISH WEIGHT	20.53	20.65
WEIGHT OF WATER	2.39	3.48
WEIGHT OF DRY SOIL	5.73	4.67
PERCENT MOISTURE	41.7	74.5
LIQUID LIMIT	73	
PLASTIC LIMIT	42	
PLASTICITY INDEX	31	

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

SIEVE ANALYSIS - ATTERBERG LIMITS CALCULATION SHEET

SIEVE ANALYSIS

DRY WEIGHT TOTAL SAMPLE 118.43 gm

SIEVE SIZE	CUMULATIVE WEIGHT RETAINED	CUMULATIVE % RETAINED	% OF TOTAL PASSING
1½"		0.0	100.0
3/4"	22.35	18.9	81.1
3/8"	30.44	25.7	74.3
NO. 4	37.93	32.0	68.0
NO. 10	45.57	38.5	61.5
NO. 16	53.86	45.5	54.5
NO. 30	66.78	56.4	43.6
NO. 40	72.07	60.9	39.1
NO. 100	82.66	69.8	30.2
NO. 200	87.82	74.2	25.8

ATTERBERG LIMITS

TRIAL #1		
BLOWS		27
DISH NUMBER	LL10	LL4
WET WEIGHT	28.82	29.76
DRY WEIGHT	27.67	27.20
DISH WEIGHT	20.50	20.70
WEIGHT OF WATER	1.15	2.56
WEIGHT OF DRY SOIL	7.17	6.50
PERCENT MOISTURE	16.0	39.4
LIQUID LIMIT	40	
PLASTIC LIMIT	16	
PLASTICITY INDEX	24	

SAMPLE NAME: GT-11
DEPTH: 15 TO 17

LIQUID LIMIT

BLOWS	FACTOR
20	0.974
21	0.979
22	0.985
23	0.990
24	0.995
25	1.000
26	1.005
27	1.009
28	1.014
29	1.018
30	1.022

APPENDIX D.2
MOISTURE CONTENT (ASTM D2216)

MOISTURE DENSITY CALCULATIONS

SAMPLE NO.	GT-14@3	GT-18@23	GT-14@38	GT-6@5	GT-3@9	GT-2@19	GT-14@33	GT-7@10
TARE	7.15	9.05	8.37	8.36	9.03	8.38	8.37	8.31
WET WT.+TARE	468.03	504.63	504.37	418.04	444.68	443.18	507.63	464.93
DRY WT.+TARE	438.26	474.53	477.08	386.27	363.64	378.79	464.38	374.6
MOISTURE	6.9	6.5	5.8	8.4	22.9	17.4	9.5	24.7

SAMPLE NO.	GT-1@9	GT-4@10	GT-13@10	GT-1@44	GT-18@8	GT-16@39	GT-3@39	
TARE	8.3	8.32	8.3	8.3	8.31	9.57	9.08	
WET WT.+TARE	470.71	300.03	445.51	447.92	451.53	434.18	408.57	
DRY WT.+TARE	373.76	271.09	395.09	379.55	403.49	386.65	347.2	
MOISTURE	26.5	11.0	13.0	18.4	12.2	12.6	18.2	#DIV/0!

APPENDIX D.3
DENSITY (ASTM D1557)

Information To Build On
Engineering • Consulting • Testing

Dry Density Report

Tested For: HDR
5990 Greenwood Plaza Blvd
Suite 250
Greenwood Village, CO 80111

Project Name: HDR California Gulch

Sample Date: August 16, 2012
Project No. 532511

MOISTURE CONTENT TEST: ASTM D7263

SAMPLE ID	MOISTURE CONTENT (%)	Dry Density (pcf)
GT-1 @ 28-30	18.2	127.0
GB-2 @ 20-22	8.2	133.0
GB-2 @ 5-7	22.6	111.6
RB-1 @ 5-7	11.5	154.5
GT-12 @ 45-47	30.7	132.7
GT-10 @ 35-37	6.3	134.2
GT-10 @ 25-27	27.6	119.9
GT-11 @ 22-24	29.2	129.2
OMB-1 @ 20-22	10.1	136.6
NMB-2 @ 20.21	7.6	135.0
NMB-2 @ 10-12	14.5	114.7
GT-11 @ 10	14.5	118.1
GT-9 @ 33	30.5	115.9
GT-2 @ 4	8.9	117.0
GT-12 @ 5	13.0	129.5
GT-17 @ 4	11.2	129.8
GT-9 @ 33	15.5	136.1
GT-15 @ 9	8.2	119.0

Remarks:

Respectfully Submitted,
Professional Service Industries, Inc.

REPORTS MAY NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN PERMISSION BY PROFESSIONAL SERVICE INDUSTRIES, INC.

APPENDIX D.4
SHEAR STRENGTH ASTM D4767-11

psi Information To Build On
Engineering • Consulting • Testing

Direct Shear Test of Soils Under Consolidated-Drained Conditions (ASTM D3080)

Project # 0532511 California Gulch

BORING NO. NMB-2 **SAMPLE NO.**

DEPTH/ELEVATION 10-12 feet

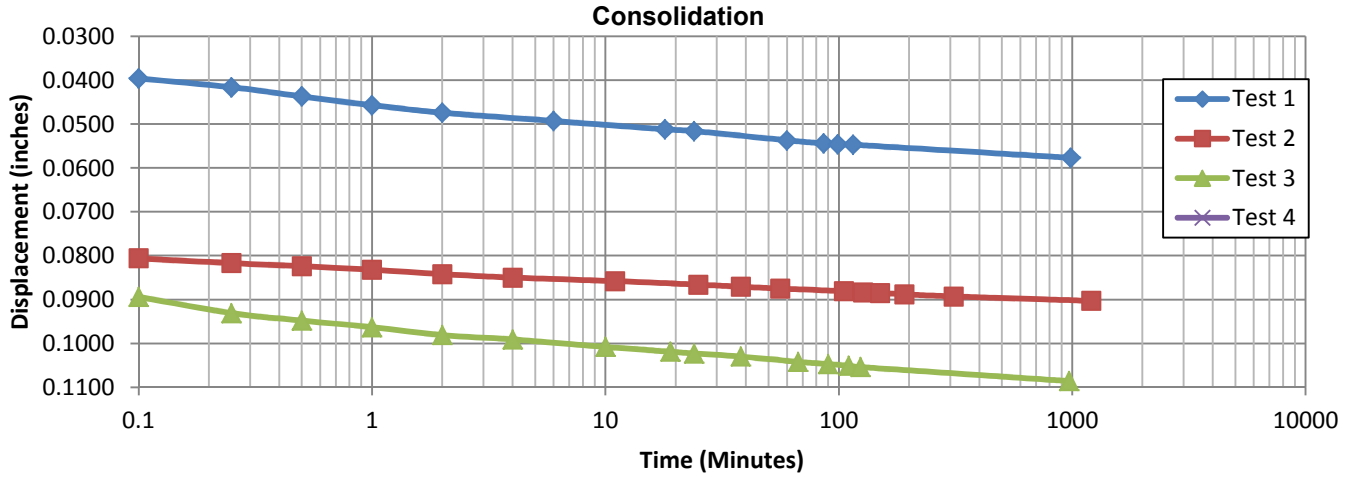
SAMPLE DESCRIPTION Clayey sand fine grained, light yellow brown, brown and gray brown

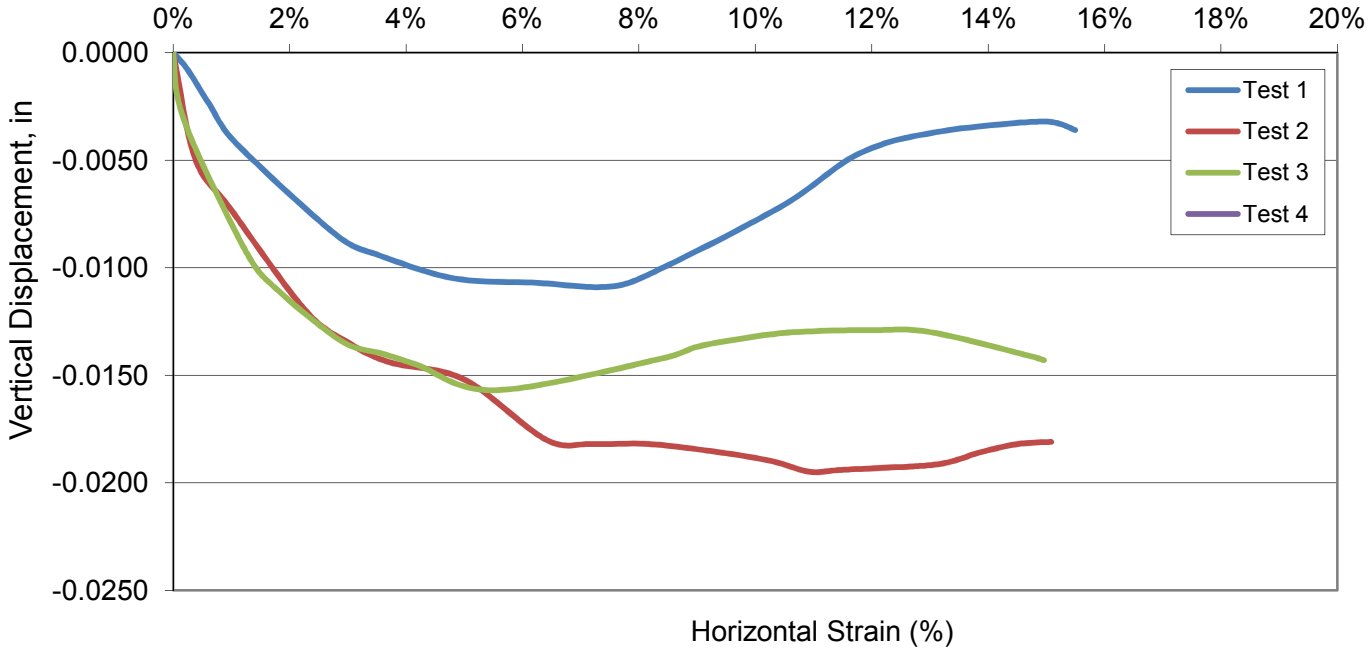
LL	PL	PI	Gs (Assumed)	2.70

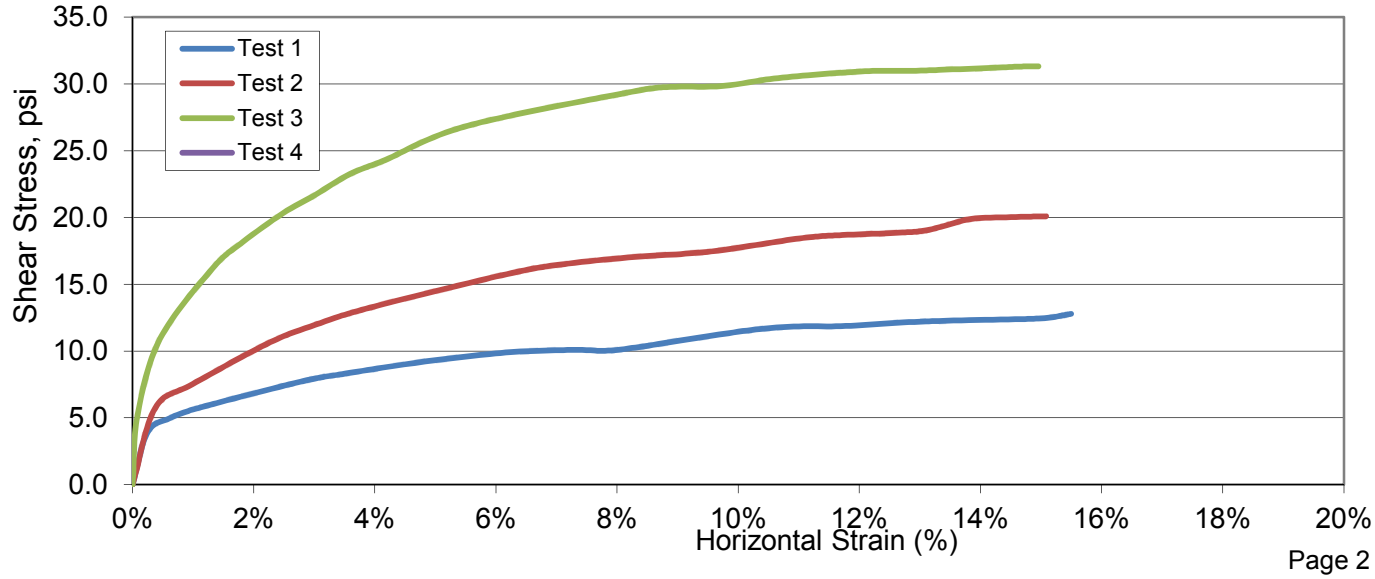
TYPE OF SPECIMEN			Intact/Reconstituted/Prepared			
SPECIMEN NO.			1	2	3	4
INITIAL	INITIAL DIAMETER, in	D_o	2.42	2.42	2.42	0.00
	INITIAL HEIGHT, in.	H_o	0.97	1.00	1.00	0.00
	WATER CONTENT, %	w_o	14.4%	14.9%	14.9%	#DIV/0!
	DRY MASS, grams		133.5	136.9	140.0	#DIV/0!
	BULK DENSITY, pcf	γ_{wet}	131.1	130.6	133.5	#DIV/0!
	DRY DENSITY, pcf	γ_{do}	114.6	113.6	116.1	#DIV/0!
	SATURATION, %	S_o	82.8%	83.6%	89.5%	#DIV/0!
	VOID RATIO	e_o	0.47	0.48	0.45	#DIV/0!
TIME TO 50% CONSOLIDATION, min		t_{50}	0.50	0.93	0.68	N/A
TIME TO 90% CONSOLIDATION, min		t_{90}	1.40	2.00	1.70	N/A
Consolidation, %			0.06	0.09	0.11	#DIV/0!
Final	WATER CONTENT, %	w_c	21.0%	21.6%	17.2%	#DIV/0!
	BULK DENSITY, pcf	γ_{wet}	139.47	143.55	149.79	#DIV/0!
	DRY DENSITY, pcf	γ_{dc}	115.31	118.01	127.85	#DIV/0!
	SATURATION, %	S_c	122.7%	136.6%	145.8%	#DIV/0!
	VOID RATIO	e_c	0.46	0.43	0.32	#DIV/0!
Applied Normal Stress, psi			10.0	21.0	36.0	#DIV/0!
Rate of Deformation, in/min			0.002	0.002	0.002	#DIV/0!
Maximum Shear Stress, psi			12.78	20.09	31.31	#DIV/0!
Displacement at Failure, %			15.0%	15.0%	15.0%	#DIV/0!

REMARKS See attached graphs.

Direct Shear Test of Soils Under Consolidated-Drained Conditions (ASTM D3080)



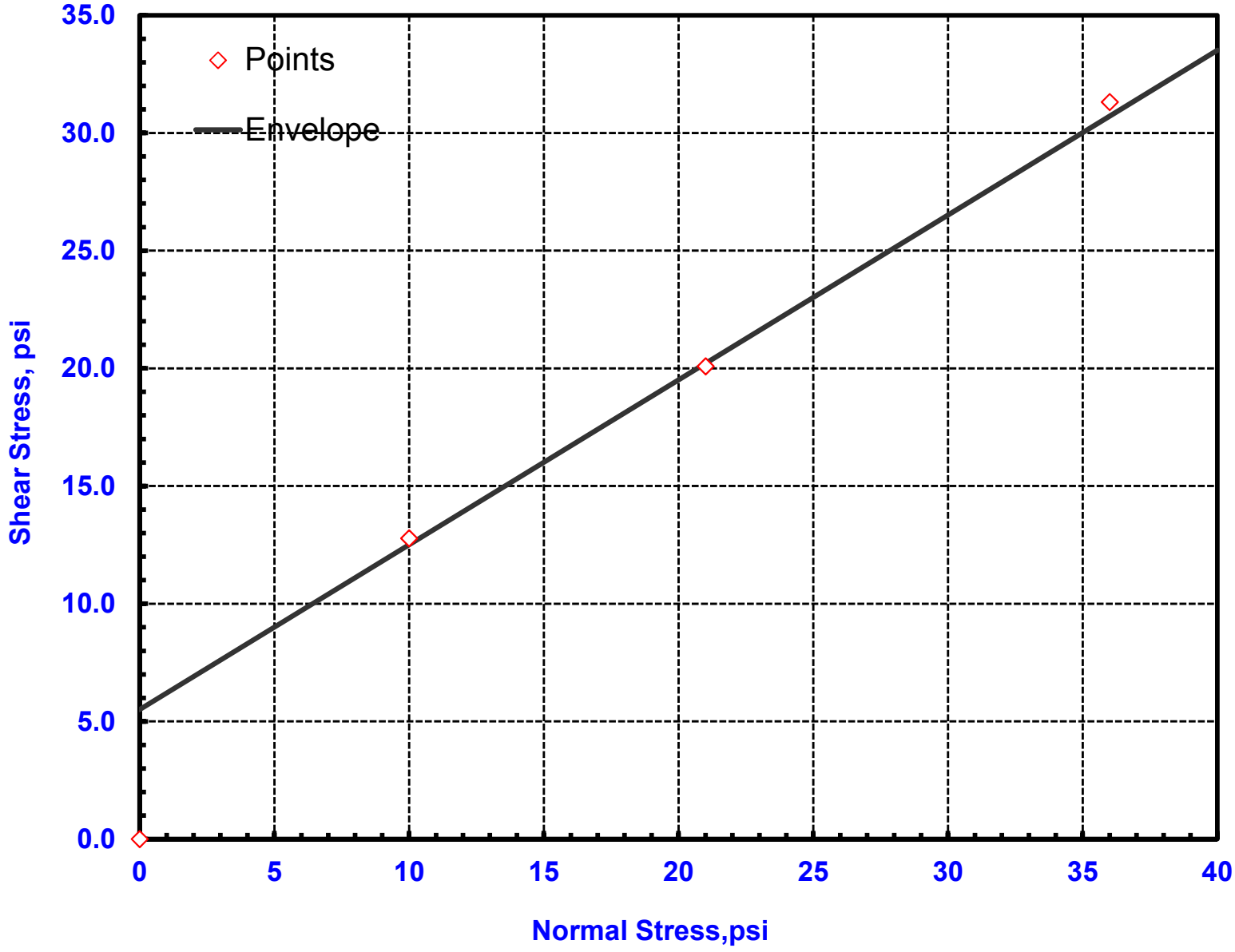




Project No. 0532511 California Gulch

Sample Description: Clayey sand fine grained, light yellow brown, brown and gray brown

Cohesion = 5.5 psi; Phi = 35 deg



Mohr Stress Circle(s) and Mohr-Coulomb Failure Envelope

psi Information To Build On
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Direct Shear Test of Soils Under Consolidated-Drained Conditions (ASTM D3080)

Project # 0532511 California Gulch

BORING NO. GB-1 **SAMPLE NO.**

DEPTH/ELEVATION 5-7 feet

SAMPLE DESCRIPTION Sandy clay, with shale fragments,, light yellow brown and brown

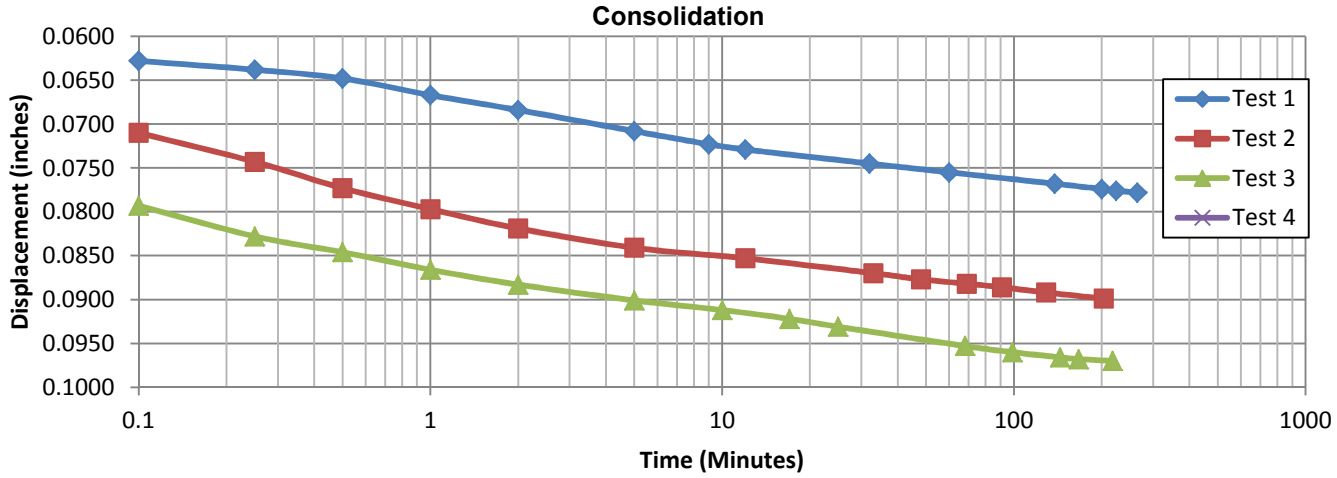
LL	PL	PI	Gs (Assumed)	2.70

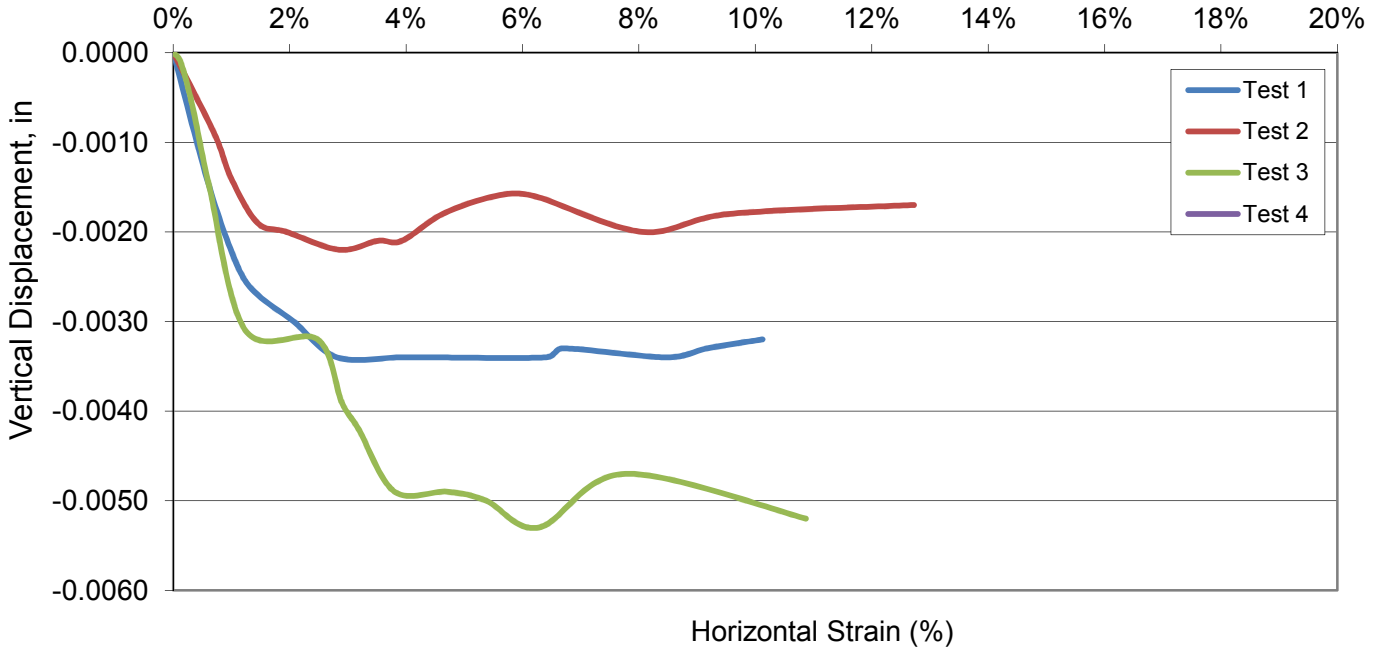
TYPE OF SPECIMEN			Intact/Reconstituted/Prepared			
SPECIMEN NO.			1	2	3	4
INITIAL	INITIAL DIAMETER, in	D_o	2.42	2.42	2.42	0.00
	INITIAL HEIGHT, in.	H_o	0.98	0.98	0.95	0.00
	WATER CONTENT, %	w_o	23.8%	28.3%	19.9%	#DIV/0!
	DRY MASS, grams		130.5	122.0	128.3	#DIV/0!
	BULK DENSITY, pcf	γ_{wet}	136.4	132.6	134.4	#DIV/0!
	DRY DENSITY, pcf	γ_{do}	110.2	103.3	112.1	#DIV/0!
	SATURATION, %	S_o	121.5%	121.2%	106.9%	#DIV/0!
	VOID RATIO	e_o	0.53	0.63	0.50	#DIV/0!
TIME TO 50% CONSOLIDATION, min		t_{50}	2.10	1.71	0.60	N/A
TIME TO 90% CONSOLIDATION, min		t_{90}	3.20	2.00	1.60	N/A
Consolidation, %			0.08	0.09	0.10	#DIV/0!
Final	WATER CONTENT, %	w_c	26.1%	29.5%	21.1%	#DIV/0!
	BULK DENSITY, pcf	γ_{wet}	148.16	145.99	149.75	#DIV/0!
	DRY DENSITY, pcf	γ_{dc}	117.49	112.72	123.62	#DIV/0!
	SATURATION, %	S_c	162.4%	161.1%	157.3%	#DIV/0!
	VOID RATIO	e_c	0.43	0.49	0.36	#DIV/0!
Applied Normal Stress, psi			10.0	21.0	36.0	#DIV/0!
Rate of Deformation, in/min			0.00	0.00	0.01	#DIV/0!
Maximum Shear Stress, psi			8.44	14.15	23.11	#DIV/0!
Displacement at Failure, %			4.3%	5.5%	6.3%	#DIV/0!

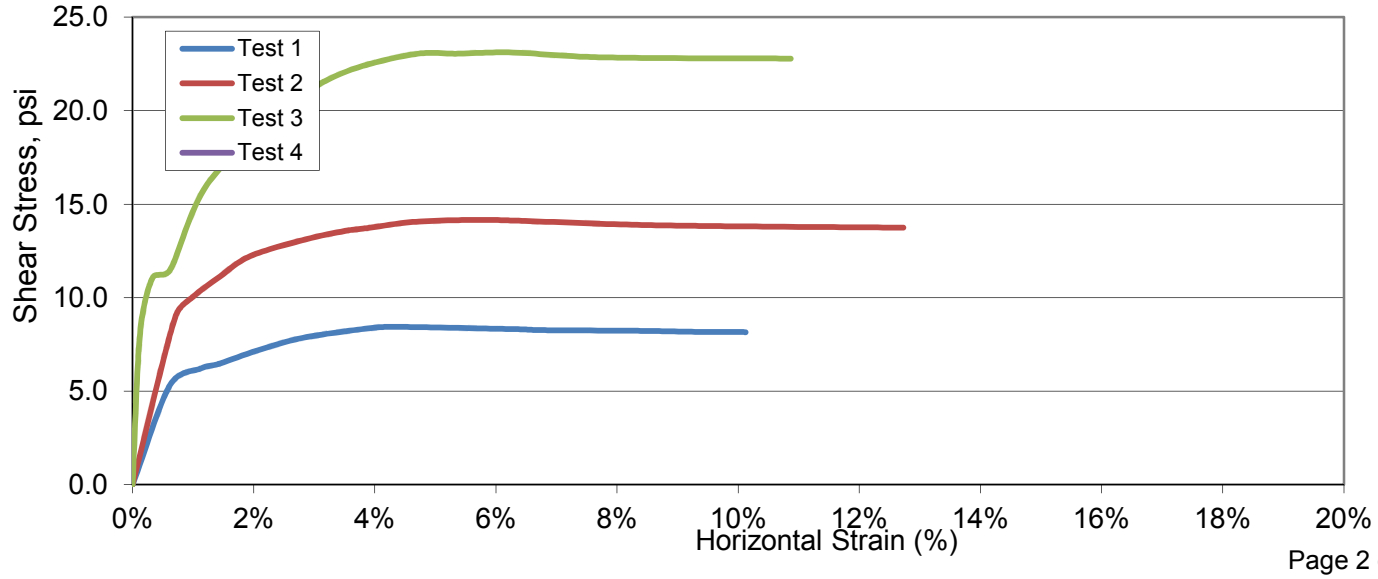
REMARKS See attached graphs.

Information To Build On
Engineering • Consulting • Testing

Direct Shear Test of Soils Under Consolidated-Drained Conditions (ASTM D3080)



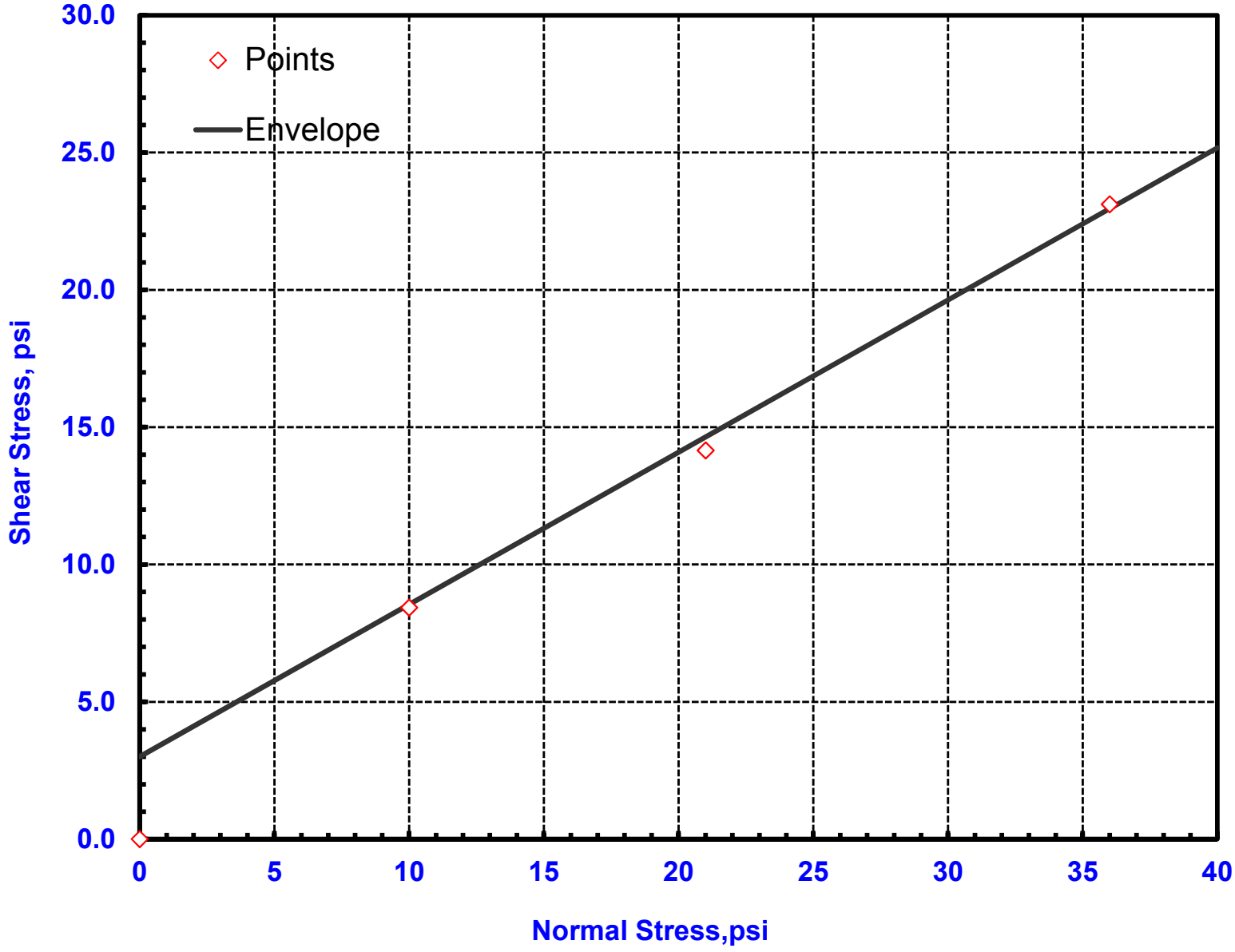




Project No. 0532511 California Gulch

Sample Description: Sandy clay, with shale fragments,, light yellow brown and brown

Cohesion = 3 psi; Phi = 29 deg



Mohr Stress Circle(s) and Mohr-Coulomb Failure Envelope

psi Information To Build On
Engineering • Consulting • Testing

Direct Shear Test of Soils Under Consolidated-Drained Conditions (ASTM D3080)

Project # 0532511 California Gulch

BORING NO. OMB-1 **SAMPLE NO.**

DEPTH/ELEVATION 5-7 feet

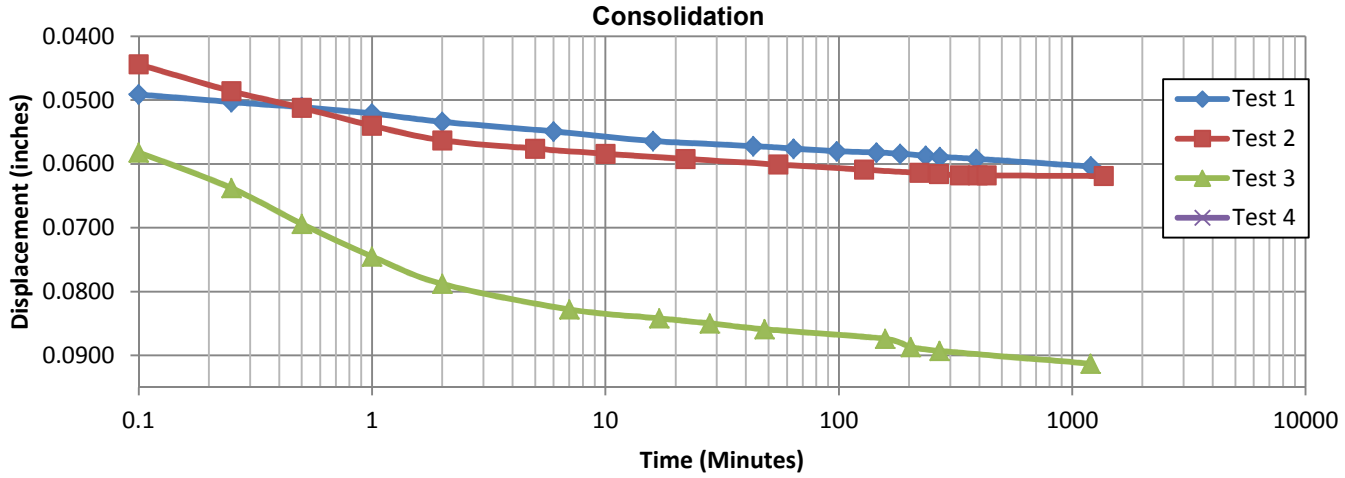
SAMPLE DESCRIPTION Sandy clay, fine grained with gravel, light brown, brown and gray brown

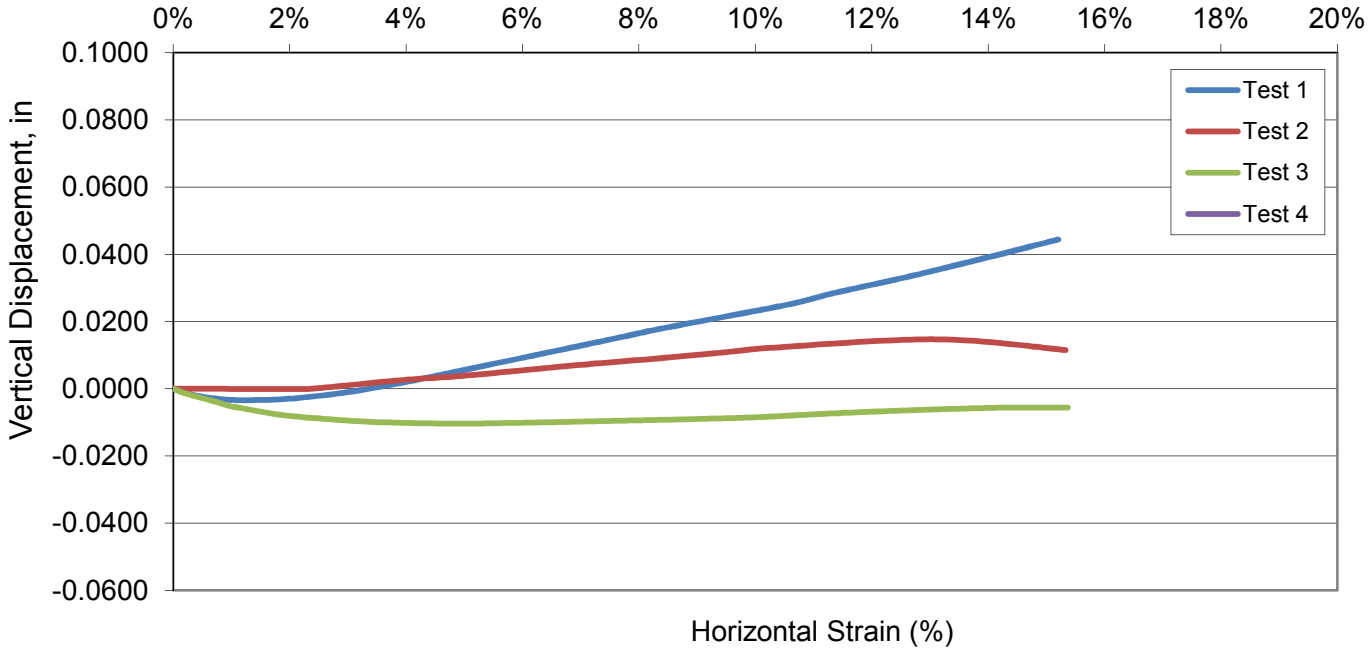
LL	PL	PI	Gs (Assumed)	2.70

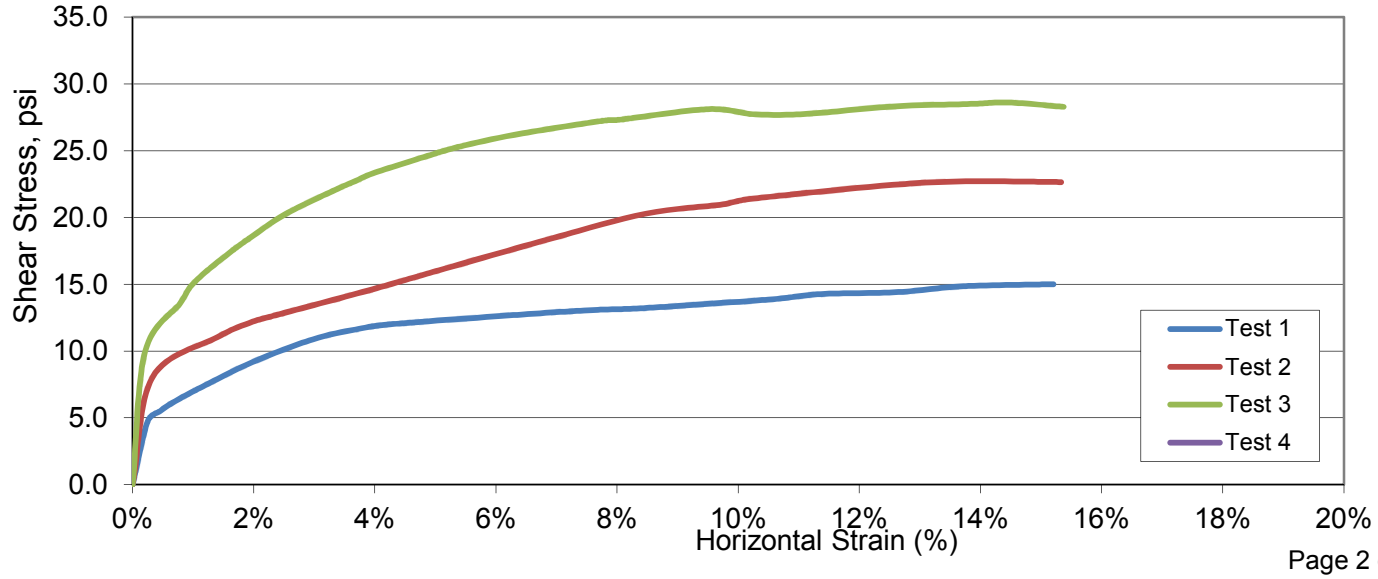
TYPE OF SPECIMEN			Intact/Reconstituted/Prepared			
SPECIMEN NO.			1	2	3	4
INITIAL	INITIAL DIAMETER, in	D_o	2.42	2.42	2.42	0.00
	INITIAL HEIGHT, in.	H_o	0.93	1.04	1.06	0.00
	WATER CONTENT, %	w_o	20.7%	19.6%	20.5%	#DIV/0!
	DRY MASS, grams		120.2	134.9	135.7	#DIV/0!
	BULK DENSITY, pcf	γ_{wet}	128.8	129.1	128.4	#DIV/0!
	DRY DENSITY, pcf	γ_{do}	106.8	107.9	106.6	#DIV/0!
	SATURATION, %	S_o	96.6%	94.3%	95.2%	#DIV/0!
	VOID RATIO	e_o	0.58	0.56	0.58	#DIV/0!
TIME TO 50% CONSOLIDATION, min		t_{50}	4.12	0.53	1.50	N/A
TIME TO 90% CONSOLIDATION, min		t_{90}	4.20	1.50	2.50	N/A
Consolidation, %			0.06	0.06	0.09	#DIV/0!
Final	WATER CONTENT, %	w_c	24.7%	21.5%	13.6%	#DIV/0!
	BULK DENSITY, pcf	γ_{wet}	137.78	137.30	140.55	#DIV/0!
	DRY DENSITY, pcf	γ_{dc}	110.46	113.03	123.69	#DIV/0!
	SATURATION, %	S_c	127.1%	118.2%	101.6%	#DIV/0!
	VOID RATIO	e_c	0.53	0.49	0.36	#DIV/0!
Applied Normal Stress, psi			10.0	21.0	36.0	#DIV/0!
Rate of Deformation, in/min			0.001	0.002	0.001	#DIV/0!
Maximum Shear Stress, psi			15.00	22.65	28.61	#DIV/0!
Displacement at Failure, %			15.0%	15.0%	14.5%	#DIV/0!

REMARKS See attached graphs.

Direct Shear Test of Soils Under Consolidated-Drained Conditions (ASTM D3080)



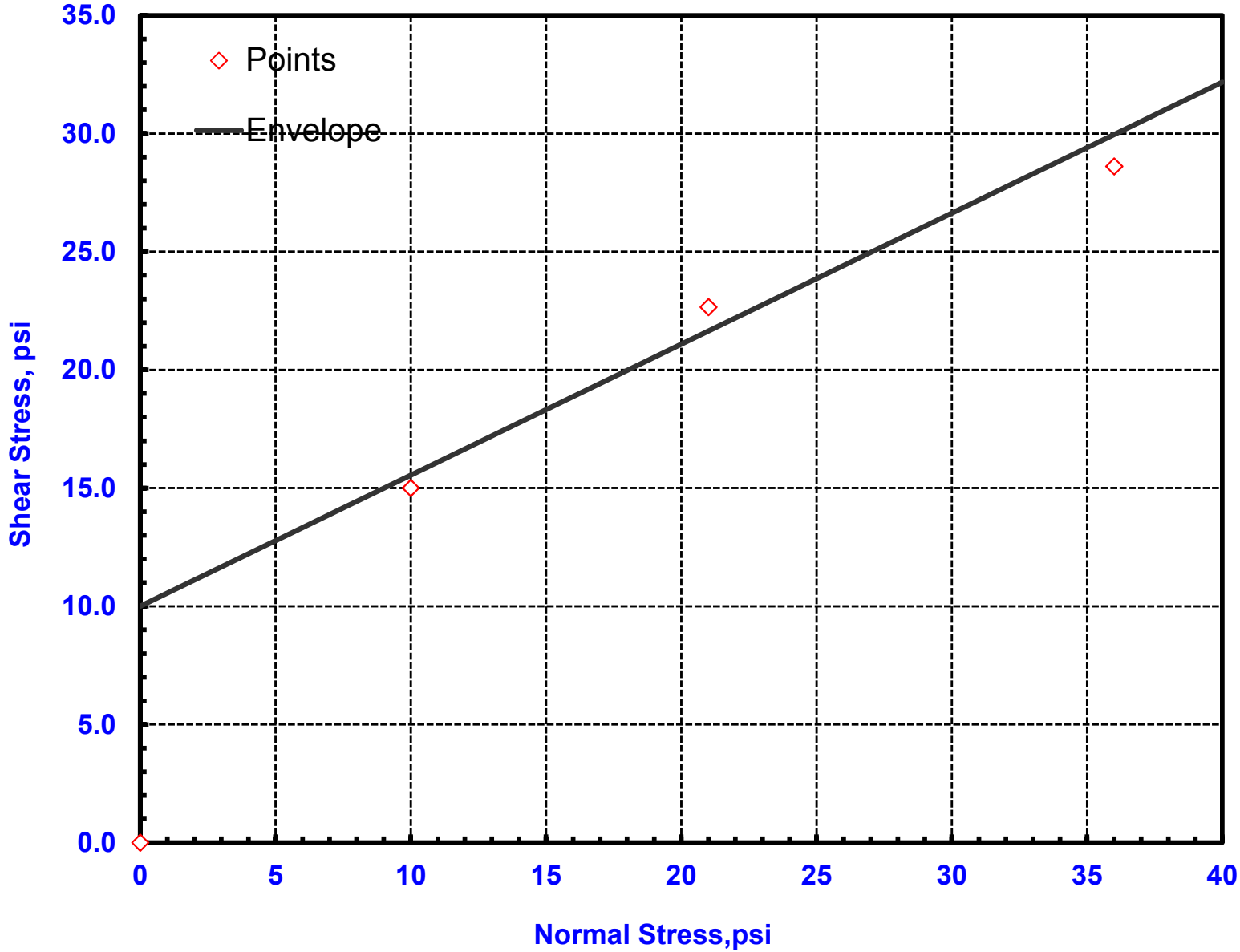




Project No. 0532511 California Gulch

Sample Description: Sandy clay, fine grained with gravel, light brown, brown and gray brown

Cohesion = 10 psi; Phi = 29 deg



Mohr Stress Circle(s) and Mohr-Coulomb Failure Envelope

APPENDIX D.5

FLEXIBLE WALL PERMEABILITY (ASTM D5084 – 10)

PSI

Report # 532511

REPORT OF PERMEABILITY TEST

ASTM D5084, falling head - rising tail system method C, modified

Sample ID	GT-11 22-24'
Description - ASTM D2488	Reddish brown, silty clay
Sample type	undisturbed
Specific Gravity - ASTM D854	2.65 assumed
Initial Data	
Sample mass, g	335.47
Length, in.	1.679
Diameter, in.	2.872
Volume, cf	0.0063
Water Content, %	35.1
Dry Density, pcf	86.9
Void ratio	0.903
Saturation, %	103
Final Data	
Sample mass, g	332.66
Length, in.	1.673
Diameter, in.	2.867
Volume, cf	0.0063
Water Content, %	34.8
Dry Density, pcf	87.1
Saturation, %	102
Test boundary conditions	
Permeant liquid	tap water
Total back pressure, psi	62
Effective Consolidation Stress, psi	2
Headwater tube area, sq.cm.	0.89
Tailwater tube area, sq.cm.	0.89
Test Sample Length, cm.	4.27
Test Sample area, sq cm.	41.80
Hydraulic gradient	3.3
Average corrected hydraulic conductivity	
k_{20} , cm/s	2.6E-07

PSI

Report # 532511

REPORT OF PERMEABILITY TEST

ASTM D5084, falling head - rising tail system method C, modified

Sample ID	GT-12 22-24'
Description - ASTM D2488	Reddish brown, silty clay, with calcium deposits
Sample type	undisturbed
Specific Gravity - ASTM D854	2.65 assumed
Initial Data	
Sample mass, g	493.53
Length, in.	2.393
Diameter, in.	2.868
Volume, cf	0.0089
Water Content, %	23.2
Dry Density, pcf	98.8
Void ratio	0.675
Saturation, %	91
Final Data	
Sample mass, g	507.1
Length, in.	2.409
Diameter, in.	2.867
Volume, cf	0.0090
Water Content, %	25.6
Dry Density, pcf	98.9
Saturation, %	101
Test boundary conditions	
Permeant liquid	tap water
Total back pressure, psi	62
Effective Consolidation Stress, psi	2
Headwater tube area, sq.cm.	0.89
Tailwater tube area, sq.cm.	0.89
Test Sample Length, cm.	6.08
Test Sample area, sq cm.	41.67
Hydraulic gradient	1.7
Average corrected hydraulic conductivity	
k_{20} , cm/s	1.6E-05

PSI

Report # 532511

REPORT OF PERMEABILITY TEST

ASTM D5084, falling head - rising tail system method C, modified

Sample ID	GT-13 50-52'
Description - ASTM D2488	Reddish brown and gray, fat clay with sand
Sample type	undisturbed
Specific Gravity - ASTM D854	2.65 assumed
Initial Data	
Sample mass, g	421.91
Length, in.	2.017
Diameter, in.	2.890
Volume, cf	0.0077
Water Content, %	24.3
Dry Density, pcf	97.8
Void ratio	0.691
Saturation, %	93
Final Data	
Sample mass, g	427.31
Length, in.	2.030
Diameter, in.	2.878
Volume, cf	0.0076
Water Content, %	25.7
Dry Density, pcf	98.0
Saturation, %	99
Test boundary conditions	
Permeant liquid	tap water
Total back pressure, psi	62
Effective Consolidation Stress, psi	2
Headwater tube area, sq.cm.	0.89
Tailwater tube area, sq.cm.	0.89
Test Sample Length, cm.	5.12
Test Sample area, sq cm.	42.31
Hydraulic gradient	2.8
Average corrected hydraulic conductivity	
k_{20} , cm/s	2.2E-08

APPENDIX E - FALLING HEAD TEST CALCULATIONS

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-2
DATE:	09/25/12

Top of Pipe Elevation (ft-msl):	10639.42
Sounded Depth (ft):	31.30
Bottom of Pipe Elevation (ft-msl):	10608.12
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.77
Screen Depth (approx.):	31.00
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	6.58
Water Added (actual) (gal):	7.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
9:10:00	Initial	28.58	10610.84
9:10:30	30 sec	28.59	10610.83
9:11:00	1 min	28.60	10610.82
9:12:00	2 min	28.63	10610.79
9:13:00	3 min	28.66	10610.76
9:14:00	4 min	28.68	10610.74
9:15:00	5 min	28.70	10610.72
9:20:00	10 min	28.81	10610.61
9:25:00	15 min	28.91	10610.51
9:40:00	30 min	29.25	10610.17
10:10:00	1 hr	29.80	10609.62
11:10:00	2 hr	30.63	10608.79
13:10:00	4 hr	30.90	10608.52
15:10:00	6 hr	30.91	10608.51
17:10:00	8 hr	30.91	10608.51
13:29:00	28.32 hr	31.00	10608.42

Water Evacuation: NA

Remarks: The first run for GT-2 failed because the M-Scope was not working. We came back an hour and a half later, added 1 more gallon of water and proceeded with the test. The 4, 6, 8, and 28.32-hour readings may not reflect the water level around the piezometer because there is a 4" sump at the bottom of the screen which will hold water. All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-3
DATE:	09/25/12

Top of Pipe Elevation (ft-msl):	10649.86
Sounded Depth (ft):	51.40
Bottom of Pipe Elevation (ft-msl):	10598.46
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.27
Screen Depth (approx.):	51.00
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	6.49
Water Added (actual) (gal):	5.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
7:54:00	Initial	48.55	10601.31
7:54:30	30 sec	48.63	10601.23
7:55:00	1 min	48.70	10601.16
7:56:00	2 min	48.78	10601.08
7:57:00	3 min	48.85	10601.01
7:58:00	4 min	48.91	10600.95
7:59:00	5 min	48.98	10600.88
8:04:00	10 min	49.25	10600.61
8:09:00	15 min	49.49	10600.37
8:24:00	30 min	50.03	10599.83
8:54:00	1 hr	50.90	10598.96
9:54:00	2 hr	50.92	10598.94
11:54:00	4 hr	50.92	10598.94
13:54:00	6 hr	50.93	10598.93
15:54:00	8 hr	50.93	10598.93
13:31:00	29.62 hr	51.02	10598.84

Water Evacuation: NA

Remarks: The 1, 2, 4, 6, 8, and 29.62-hr readings may not reflect the water level around the piezomenter because there is a 4" sump at the bottom of the screen which will hold water. All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-7
DATE:	9/25/12

Top of Pipe Elevation (ft-msl):	10649.38
Sounded Depth (ft):	52.75
Bottom of Pipe Elevation (ft-msl):	10596.63
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.41
Screen Depth (approx.):	52.40
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	6.71
Water Added (actual) (gal):	6.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
8:32:00	Initial	48.10	10601.28
8:32:30	30 sec	48.15	10601.23
8:33:00	1 min	48.22	10601.16
8:34:00	2 min	48.28	10601.10
8:35:00	3 min	48.30	10601.08
8:36:00	4 min	48.32	10601.06
8:37:00	5 min	48.33	10601.05
8:42:00	10 min	48.40	10600.98
8:47:00	15 min	48.46	10600.92
9:02:00	30 min	48.64	10600.74
9:32:00	1 hr	48.95	10600.43
10:32:00	2 hr	49.58	10599.80
12:32:00	4 hr	50.72	10598.66
14:32:00	6 hr	51.61	10597.77
16:32:00	8 hr	52.39	10596.99
13:24:00	28.87 hr	52.46	10596.92

Water Evacuation: NA

Remarks: The 8 and 28.87-hour readings may not reflect the water level around the piezometer because there is a 4" sump at the bottom of the screen which may be holding water. All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-10
DATE:	09/25/12

Top of Pipe Elevation (ft-msl):	10678.77
Sounded Depth (ft):	41.50
Bottom of Pipe Elevation (ft-msl):	10637.27
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.01
Screen Depth (approx.):	41.20
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	7.49
Water Added (actual) (gal):	9.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
10:21:00	Initial	35.40	10643.37
10:21:30	30 sec	35.45	10643.32
10:22:00	1 min	35.49	10643.28
10:23:00	2 min	35.53	10643.24
10:24:00	3 min	35.56	10643.21
10:25:00	4 min	35.59	10643.18
10:26:00	5 min	35.61	10643.16
10:31:00	10 min	35.69	10643.08
10:36:00	15 min	35.72	10643.05
10:51:00	30 min	35.85	10642.92
11:21:00	1 hr	36.06	10642.71
12:21:00	2 hr	36.40	10642.37
14:21:00	4 hr	37.01	10641.76
16:21:00	6 hr	37.52	10641.25
18:21:00	8 hr	37.96	10640.81
13:17:00	26.93 hr	40.12	10638.65

Water Evacuation: Bailed down to 40.44. Was unable to bail any further.

Remarks: All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-11
DATE:	09/25/12

Top of Pipe Elevation (ft-msl):	10668.09
Sounded Depth (ft):	26.15
Bottom of Pipe Elevation (ft-msl):	10641.94
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.60
Screen Depth (approx.):	25.80
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	7.57
Water Added (actual) (gal):	8.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
9:47:00	Initial	20.95	10647.14
9:47:30	30 sec	20.97	10647.12
9:48:00	1 min	20.97	10647.12
9:49:00	2 min	20.99	10647.10
9:50:00	3 min	21.00	10647.09
9:51:00	4 min	21.01	10647.08
9:52:00	5 min	21.03	10647.06
9:57:00	10 min	21.06	10647.03
10:02:00	15 min	21.08	10647.01
10:17:00	30 min	21.11	10646.98
10:47:00	1 hr	21.16	10646.93
11:47:00	2 hr	21.21	10646.88
13:47:00	4 hr	21.25	10646.84
15:47:00	6 hr	21.40	10646.69
17:47:00	8 hr	21.46	10646.63
13:21:00	27.57 hr	22.14	10645.95

Water Evacuation: Bailer broke off into the hole. Need to retrieve. Retrieved bailer at a later date.

Remarks: All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-12
DATE:	09/25/12

Top of Pipe Elevation (ft-msl):	10682.69
Sounded Depth (ft):	60.45
Bottom of Pipe Elevation (ft-msl):	10622.24
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.01
Screen Depth (approx.):	60.10
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	7.83
Water Added (actual) (gal):	9.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
12:00:00	Initial	53.53	10629.16
12:00:30	30 sec	53.54	10629.15
12:01:00	1 min	53.54	10629.15
12:02:00	2 min	53.55	10629.14
12:03:00	3 min	53.55	10629.14
12:04:00	4 min	53.55	10629.14
12:05:00	5 min	53.55	10629.14
12:10:00	10 min	53.58	10629.11
12:15:00	15 min	53.60	10629.09
12:30:00	30 min	53.67	10629.02
13:00:00	1 hr	53.74	10628.95
14:00:00	2 hr	53.82	10628.87
16:00:00	4 hr	53.99	10628.70
18:00:00	6 hr	54.11	10628.58
20:00:00	8 hr	54.19	10628.50
12:45:00	24.75 hr	55.22	10627.47

Water Evacuation: Bailed to 59.19. Was unable to bail any further.
Water level on 9/27/12 @ 13:57 was 59.18.

Remarks: All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-14
DATE:	09/26/12

Top of Pipe Elevation (ft-msl):	10671.84
Sounded Depth (ft):	45.85
Bottom of Pipe Elevation (ft-msl):	10625.99
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.80
Screen Depth (approx.):	45.50
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	4.79
Water Added (actual) (gal):	4.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
7:12:00	Initial	42.31	10629.53
7:12:30	30 sec	42.33	10629.51
7:13:00	1 min	42.34	10629.50
7:14:00	2 min	42.35	10629.49
7:15:00	3 min	42.36	10629.48
7:16:00	4 min	42.36	10629.48
7:17:00	5 min	42.37	10629.47
7:22:00	10 min	42.41	10629.43
7:27:00	15 min	42.41	10629.43
7:42:00	30 min	42.45	10629.39
8:12:00	1 hr	42.52	10629.32
9:12:00	2 hr	42.61	10629.23
11:12:00	4 hr	42.77	10629.07
13:12:00	6 hr	42.88	10628.96
15:12:00	8 hr	43.00	10628.84
13:43:00	30.52 hr	43.85	10627.99

Water Evacuation: NA

Remarks: All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-16
DATE:	09/26/12

Top of Pipe Elevation (ft-msl):	10715.54
Sounded Depth (ft):	49.11
Bottom of Pipe Elevation (ft-msl):	10666.43
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.40
Screen Depth (approx.):	48.80
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	8.30
Water Added (actual) (gal):	9.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
7:50:00	Initial	42.00	10673.54
7:50:30	30 sec	42.02	10673.52
7:51:00	1 min	42.06	10673.48
7:52:00	2 min	42.12	10673.42
7:53:00	3 min	42.14	10673.40
7:54:00	4 min	42.15	10673.39
7:55:00	5 min	42.16	10673.38
8:00:00	10 min	42.22	10673.32
8:05:00	15 min	42.25	10673.29
8:20:00	30 min	42.33	10673.21
8:50:00	1 hr	42.43	10673.11
9:50:00	2 hr	42.52	10673.02
11:50:00	4 hr	42.71	10672.83
13:50:00	6 hr	42.89	10672.65
15:50:00	8 hr	43.13	10672.41
13:53:00	30.05 hr	43.87	10671.67

Water Evacuation: Recommend bailing.

Remarks: All depths are measured from top of pipe.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-17
DATE:	09/26/12

Top of Pipe Elevation (ft-msl):	10716.17
Sounded Depth (ft):	115.80
Bottom of Pipe Elevation (ft-msl):	10600.37
M-Scope Water Level Depth (ft):	95.61
Water Level Elevation (ft-msl):	10620.56
Pipe Stick-up:	2.61
Screen Depth (approx.):	95.80
Pipe Diameter (I.D.) (in):	1.00
Water Added (calculated) (gal):	8.45
Water Added (actual) (gal):	9.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
8:30:00	Initial	93.00	10623.17
8:30:30	30 sec	94.50	10621.67
8:31:00	1 min	95.44	10620.73
8:32:00	2 min	95.42	10620.75
8:33:00	3 min	95.40	10620.77
8:34:00	4 min	95.69	10620.48

Water Evacuation: Recommend bailing.

Remarks: Test 1. All depths are measured from top of pipe. In between the 3 and 4 minute readings the M-Scope was pulled up approximately 20 ft. The 0.3-foot change in the water level happened identically on the next run wher the M-Scope is pulled up and then lowered again. It is unknown why this happened. The 1-minute through the 4-minute readings may not reflect the actual water level around the piezometer due to the 20' sump below the bottom of the screen which will hold water.

PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-17
DATE:	09/26/12

Top of Pipe Elevation (ft-msl):	10716.17
Sounded Depth (ft):	115.80
Bottom of Pipe Elevation (ft-msl):	10600.37
M-Scope Water Level Depth (ft):	95.78
Water Level Elevation (ft-msl):	10620.39
Pipe Stick-up:	2.61
Screen Depth (approx.):	95.80
Pipe Diameter (I.D.) (in):	1.00
Water Added (calculated) (gal):	8.45
Water Added (actual) (gal):	9.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
9:33:00	Initial	91.70	10624.47
9:33:30	30 sec	92.56	10623.61
9:34:00	1 min	94.00	10622.17
9:35:00	2 min	95.40	10620.77
9:36:00	3 min	95.40	10620.77
9:37:00	4 min	95.40	10620.77
9:38:00	5 min	95.68	10620.49
9:43:00	10 min	95.67	10620.50
9:48:00	15 min	95.71	10620.46
10:58:00	1.42 hr	95.73	10620.44
15:00:00	5.45 hr	95.74	10620.43
13:51:00	28.3 hr	95.74	10620.43

Water Evacuation: Recommed bailing.

Remarks: Test 2. Between the 4 and 5 minute readings the M-Scope was pulled up about 20 feet. This same thing happened on Test 1. The readings for the 2-minute through the 28.3-hour may not reflect the water level around the piezometer due to the 20' sump below the bottom of the screen that will hold water.

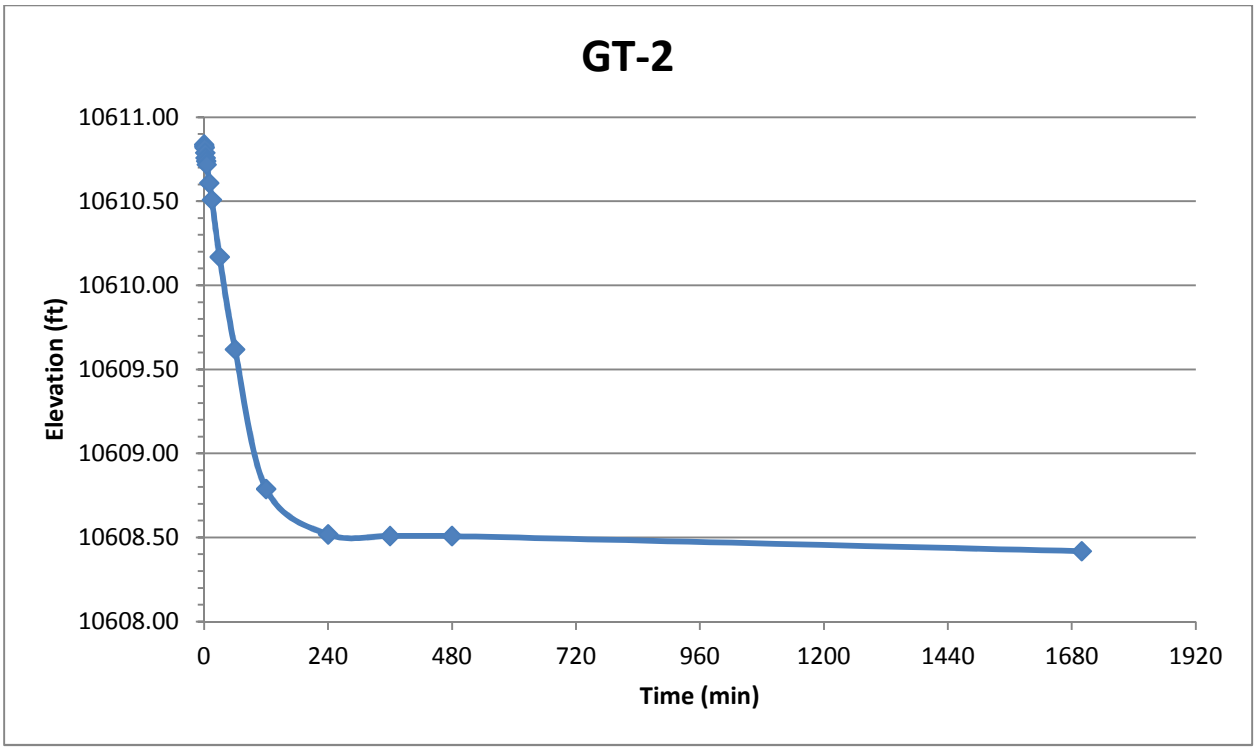
PROJECT NAME:	California Gulch
LOCATION:	Leadville, CO
INSTRUMENTATION DESIGNATION:	GT-18
DATE:	09/26/12

Top of Pipe Elevation (ft-msl):	10708.34
Sounded Depth (ft):	30.36
Bottom of Pipe Elevation (ft-msl):	10677.98
M-Scope Water Level Depth (ft):	DRY
Water Level Elevation (ft-msl):	-
Pipe Stick-up:	2.35
Screen Depth (approx.):	30.00
Pipe Diameter (I.D.) (in):	2.00
Water Added (calculated) (gal):	6.71
Water Added (actual) (gal):	6.00

REAL TIME	ELAPSED TIME	M-SCOPE READING	WATER SURFACE ELEVATION
8:56:00	Initial	25.93	10682.41
8:56:30	30 sec	25.93	10682.41
8:57:00	1 min	25.93	10682.41
8:58:00	2 min	25.94	10682.40
8:59:00	3 min	25.94	10682.40
9:00:00	4 min	25.94	10682.40
9:01:00	5 min	25.94	10682.40
9:06:00	10 min	25.95	10682.39
9:11:00	15 min	25.96	10682.38
9:26:00	30 min	26.00	10682.34
9:56:00	1 hr	26.04	10682.30
10:56:00	2 hr	26.10	10682.24
12:56:00	4 hr	26.14	10682.20
14:56:00	6 hr	26.16	10682.18
16:56:00	8 hr	26.19	10682.15
13:49:00	28.88 hr	26.41	10681.93

Water Evacuation: Recommend bailing.

Remarks: All depths are measured from the top of pipe.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10610.00
10609.50
10609.00
10608.50
10608.00
Elevation (ft)
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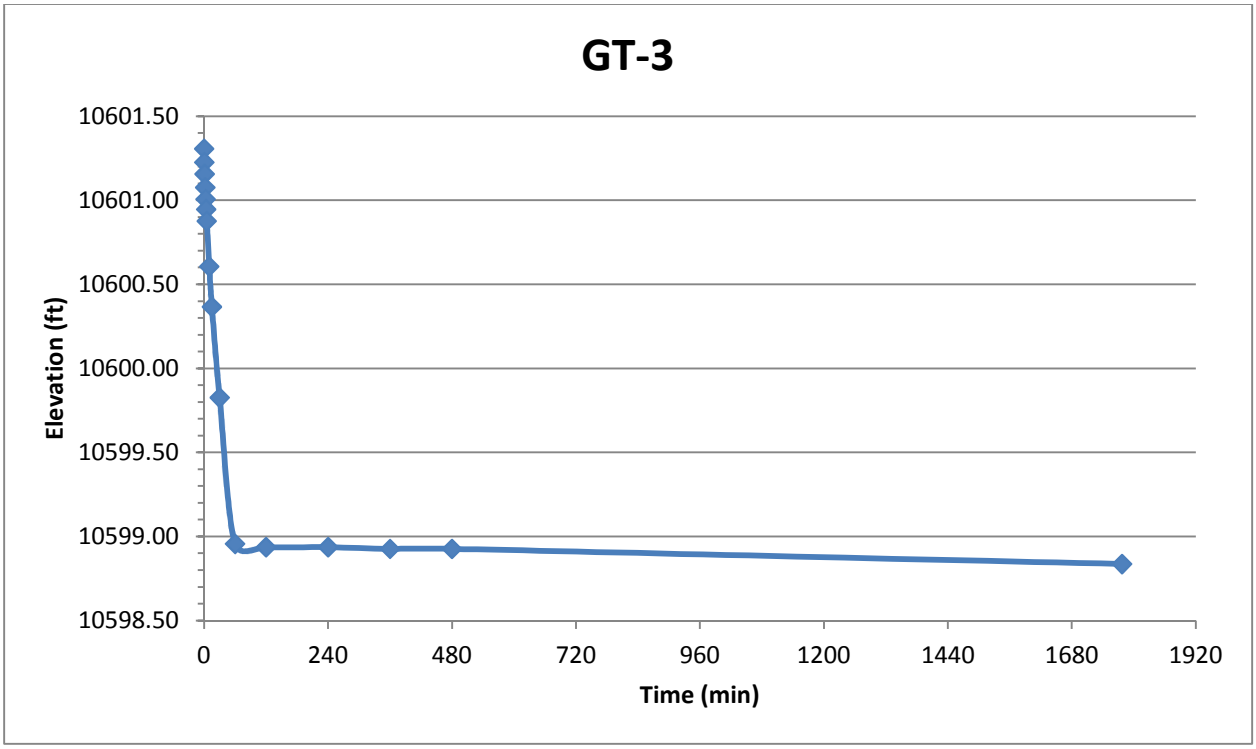
480
720
960
1200
1440
1680
1920
Time (min)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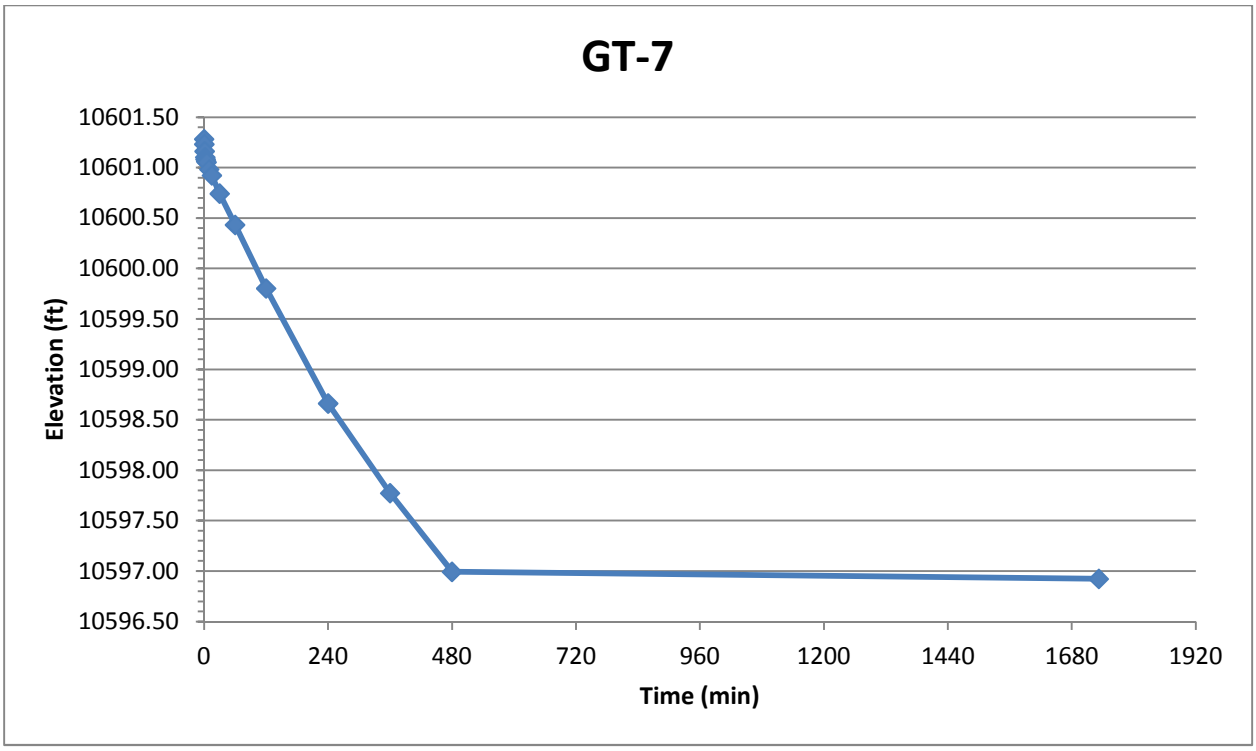
480
720
960
1200
1440
1680
1920
Time (min)


GT-7
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10601.00
10600.50
10600.00
10599.50
10599.00
10598.50
10598.00
10597.50
10597.00
10596.50
Elevation (ft)
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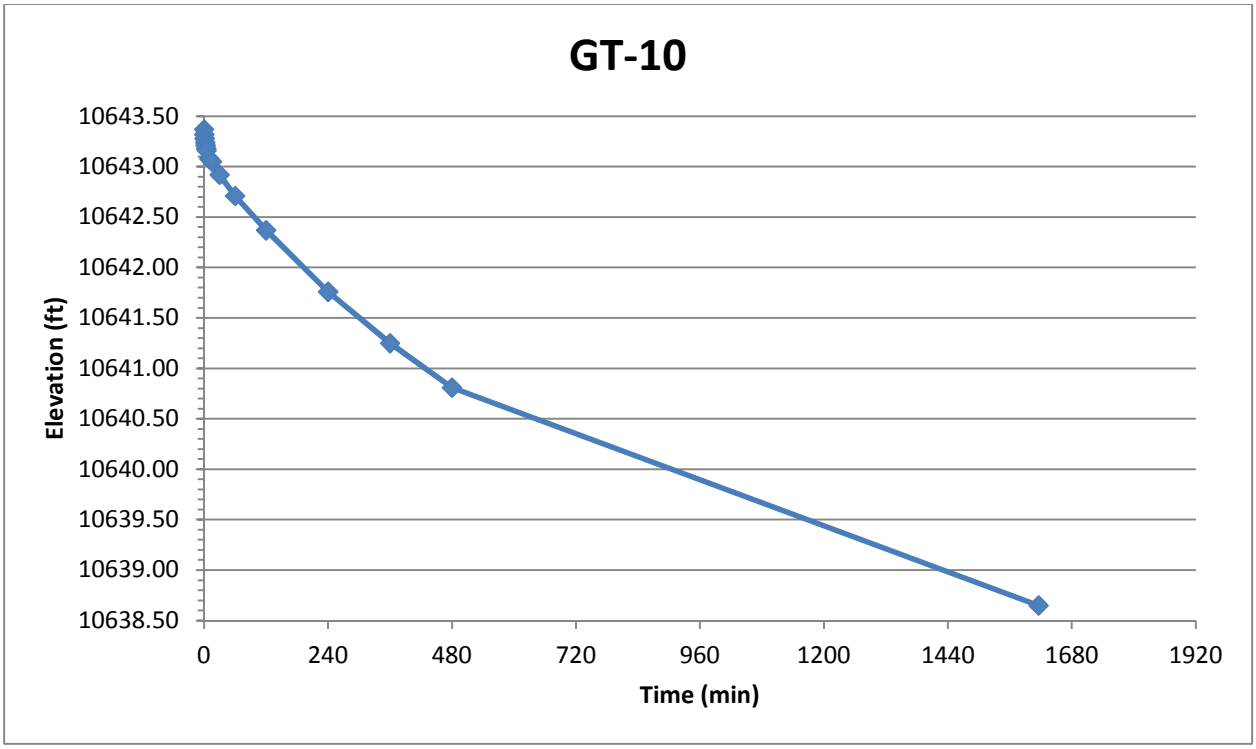
480
720
960
1200
1440
1680
1920
Time (min)


GT-10
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10643.00
10642.50
10642.00
10641.50
10641.00
10640.50
10640.00
10639.50
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10638.50
Elevation (ft)
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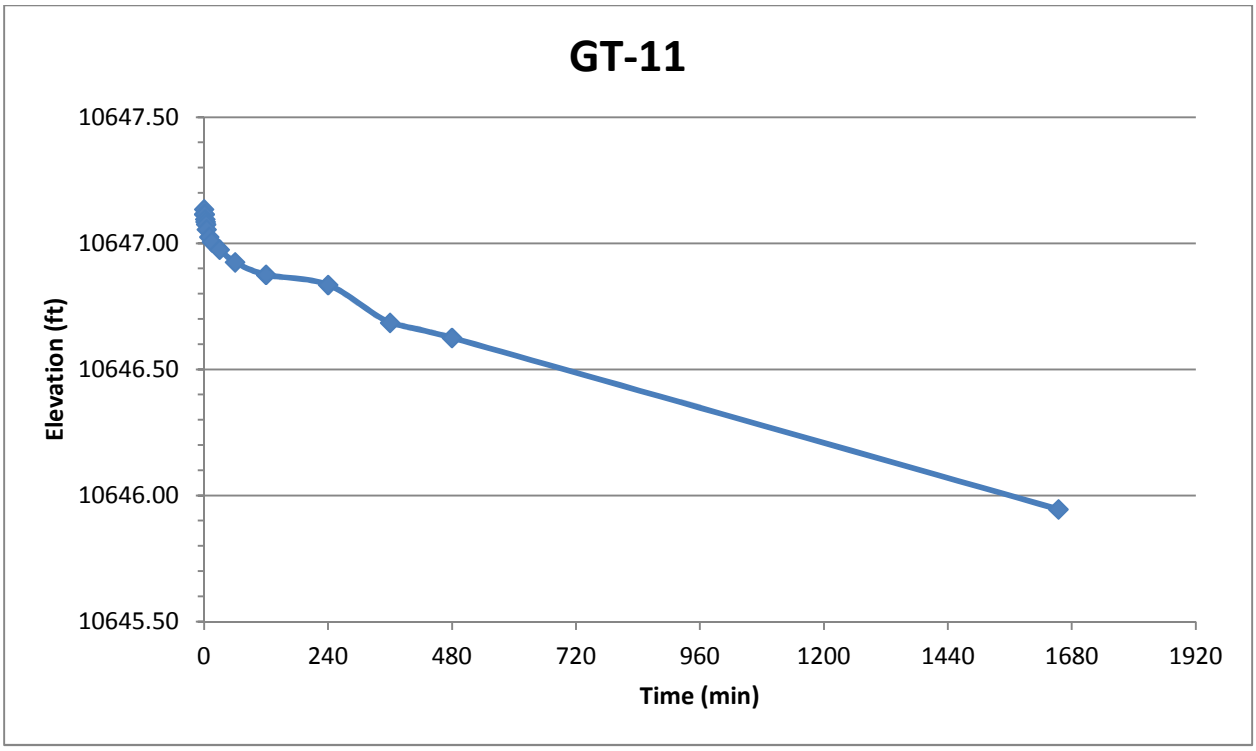
480
720
960
1200
1440
1680
1920
Time (min)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10646.00
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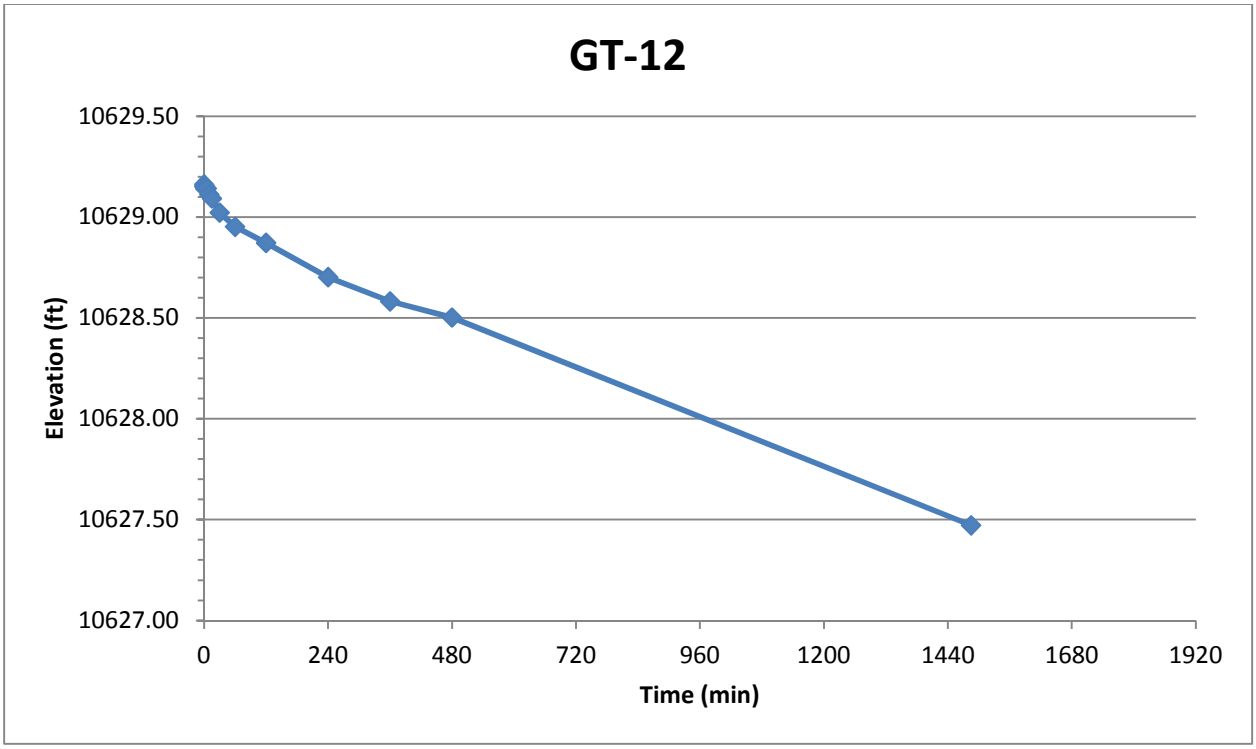
720
960
1200
1440
1680
1920
Time (min)


GT-12
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10628.50
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10627.50
10627.00
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240
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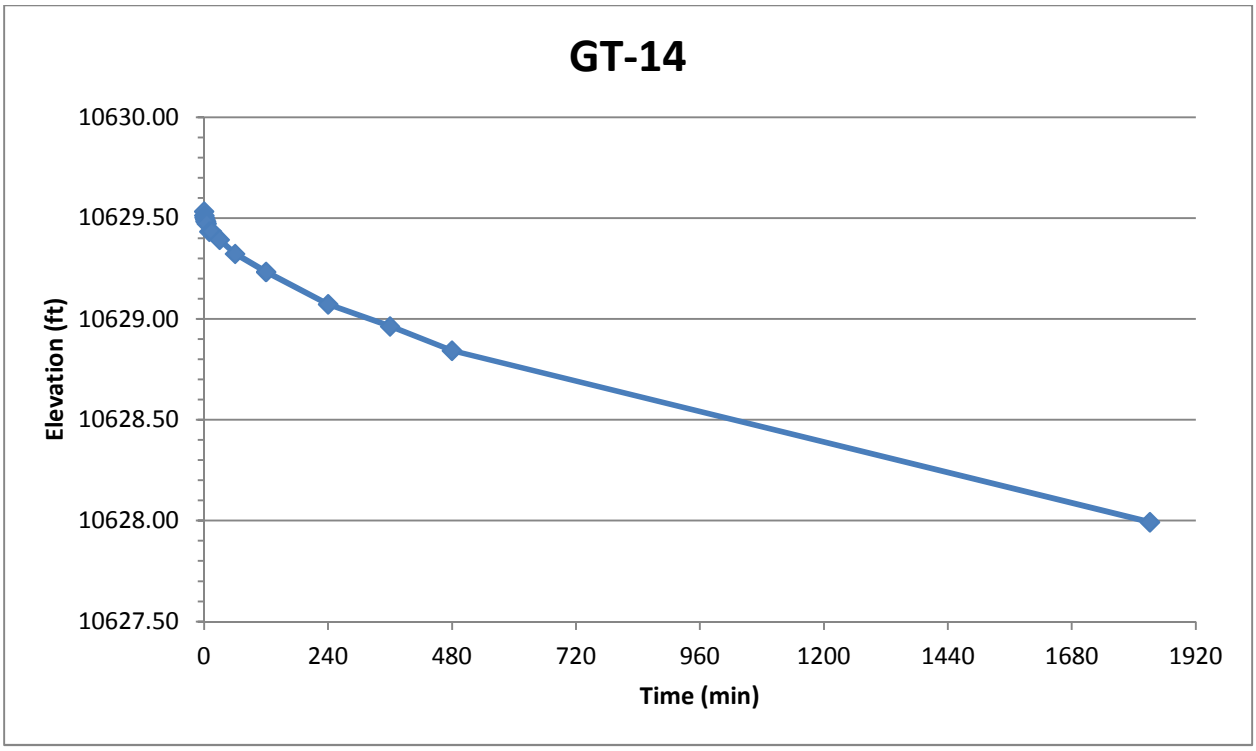
720
960
1200
1440
1680
1920
Time (min)


GT-14
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10629.00
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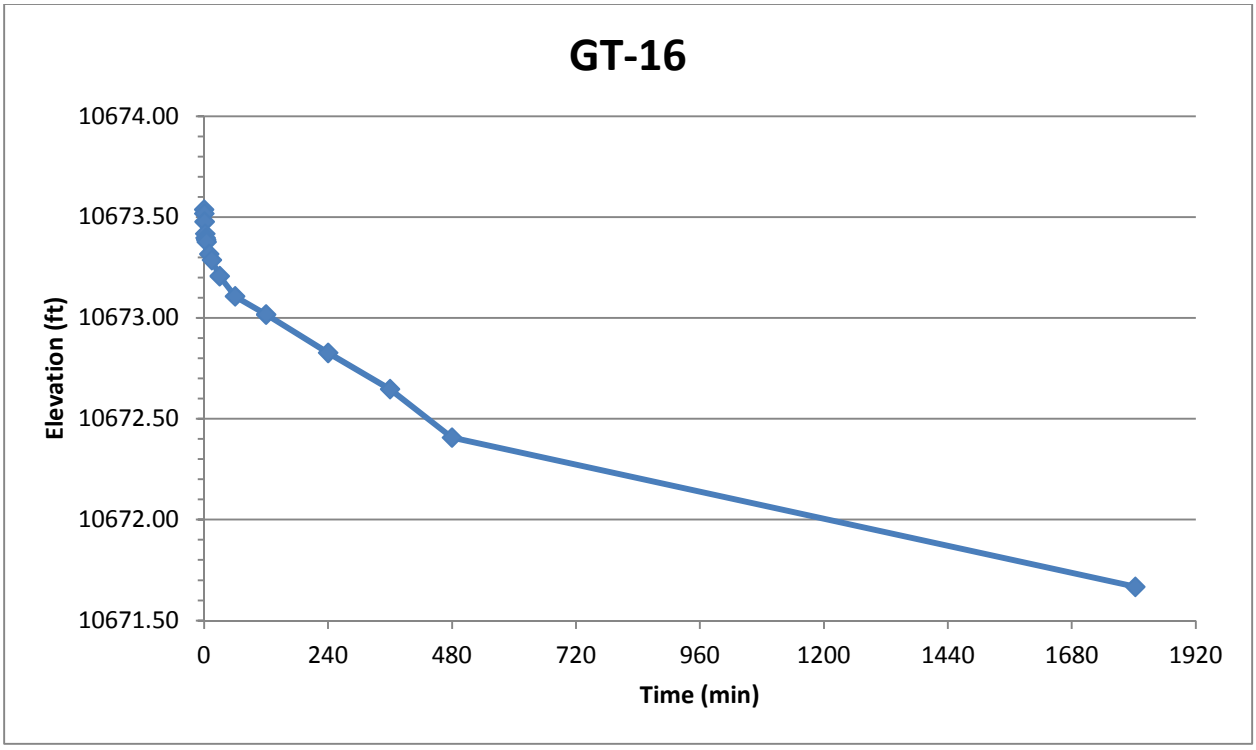
720
960
1200
1440
1680
1920
Time (min)


GT-16
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10673.50
10673.00
10672.50
10672.00
10671.50
Elevation (ft)
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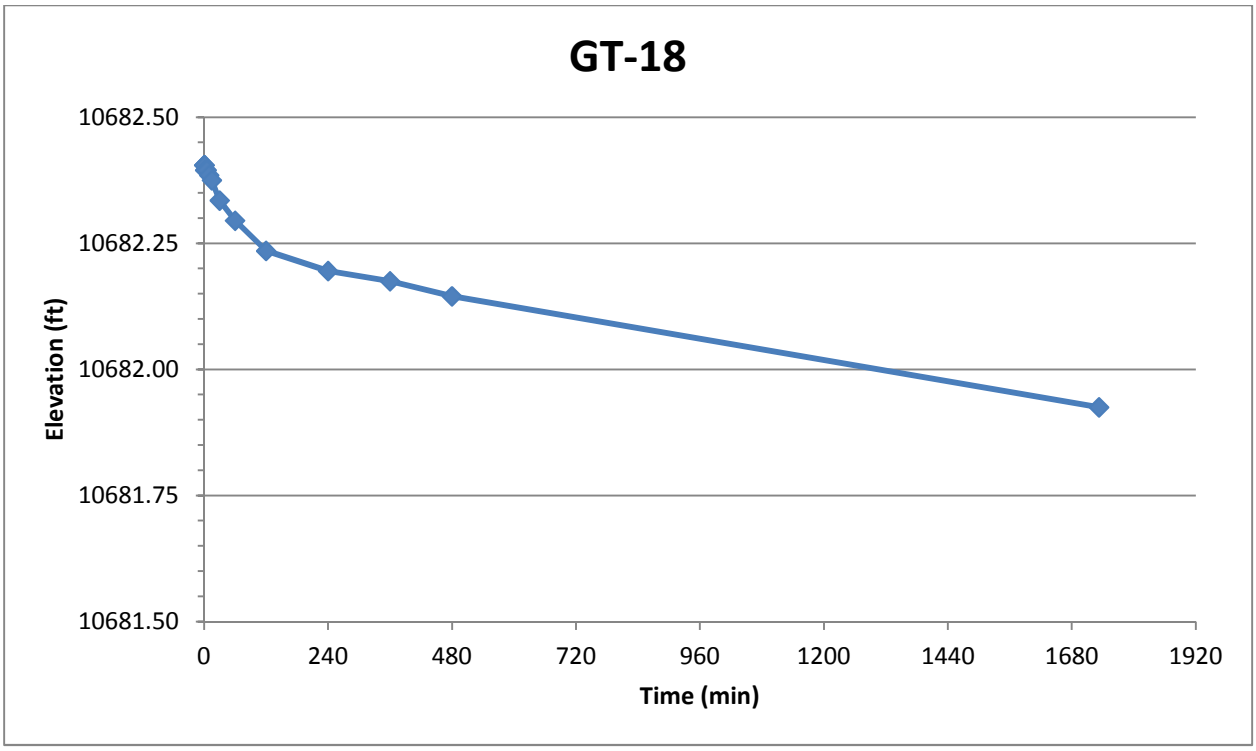
240
480
720
960
1200
1440
1680
1920
Time (min)


GT-18
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10682.25
10682.00
10681.75
10681.50
Elevation (ft)
0
240
480
720
960
1200
1440
1680
1920
Time (min)

APPENDIX F – ANALYTICAL DATA REPORTS

APPENDIX F.1 Bonner Analytical Testing Company: SDG MHOAS7
APPENDIX F.2 Bonner Analytical Testing Company: SDG MHOAS8
APPENDIX F.3 Bonner Analytical Testing Company: SDG MHOAW7
APPENDIX F.4 Bonner Analytical Testing Company: SDG MHOAX4
APPENDIX F.5 Bonner Analytical Testing Company: SDG MHOAX5
APPENDIX F.6 Bonner Analytical Testing Company: SDG MHOBO7
APPENDIX F.7 Bonner Analytical Testing Company: SDG MHOBO8
APPENDIX F.8 Bonner Analytical Testing Company: SDG MHOB22
APPENDIX F.9 Bonner Analytical Testing Company: SDG MHOB24
APPENDIX F.10 Bonner Analytical Testing Company: SDG MHOB32
APPENDIX F.11 Bonner Analytical Testing Company: SDG MHOAW8
APPENDIX F.12 Spectrum Analytical, Inc.: SDG MHOAW7
APPENDIX F.13 Spectrum Analytical, Inc.: SDG MHOAM7
APPENDIX F.14 Spectrum Analytical, Inc.: SDG MHOAX7
APPENDIX F.15 Spectrum Analytical, Inc.: SDG MHOAY1
APPENDIX F.16 TestAmerica: SDG 280-31994-2 (Sulfur)
APPENDIX F.17 TestAmerica: SDG 280-32217-2 (Sulfur)
APPENDIX F.18 TestAmerica: SDG 280-32481-4 (Sulfur)
APPENDIX F.19 TestAmerica: SDG 280-32278-2 (Sulfur)
APPENDIX F.20 TestAmerica: SDG 280-32025-2 (Sulfur)
APPENDIX F.21 TestAmerica: SDG 280-32146-3 (Sulfur)
APPENDIX F.22 TestAmerica: SDG 280-31920-2 (Sulfur)
APPENDIX F.23 TestAmerica: SDG 280-32146-1 (Sulfide and Acid)
APPENDIX F 24 TestAmerica: SDG 280-32481-1 (Sulfide and Acid)
APPENDIX F.25 TestAmerica: SDG 280-31920-1 (Sulfide and Acid)
APPENDIX F.26 TestAmerica: SDG 280-32025-1 (Sulfide and Acid)
APPENDIX F.27 TestAmerica: SDG 280-32217-1 (Sulfide and Acid)
APPENDIX F.28 TestAmerica: SDG 280-32278-1 (Sulfide and Acid)
APPENDIX F.29 TestAmerica: SDG 280-31994-1 (Sulfide and Acid)
APPENDIX F.30 TestAmerica: SDG 280-32146-2 (Gold)
APPENDIX F.31 TestAmerica: SDG 280-32481-3 (Gold)

APPENDIX F.1

BONNER ANALYTICAL TESTING COMPANY: SDG MHOAS7

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS7	08/07/2012	14:45:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	10:16:20	T
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS7	08/06/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:12:27	T
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS7	08/06/2012	13:20:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:16:50	T
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS7	08/06/2012	14:15:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:21:06	T
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS7	08/07/2012	10:40:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:25:29	T
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS7	08/06/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:29:53	T
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS7	08/06/2012	15:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:34:07	T
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS7	08/06/2012	14:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:38:22	T
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS7	08/07/2012	11:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:42:46	T
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS7	08/07/2012	09:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:47:03	T
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS7	08/06/2012	15:15:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:51:29	T
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS7	08/07/2012	10:15:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	11:55:52	T
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS7	08/07/2012	14:45:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:00:16	T
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS7	08/07/2012	13:45:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:04:32	T
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS7	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:08:49	T
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS7	08/06/2012	15:20:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:13:13	T
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS7	08/07/2012	15:15:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:17:38	T
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS7	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:21:57	T
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS7	08/07/2012	09:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:26:20	T
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS7	08/06/2012	15:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	12:30:37	T
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS7	08/07/2012	14:45:00		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	10:55:11	T
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS7	08/07/2012	14:45:00		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/25/2012	10:20:36	T
	PBS01	S	Method_Blank	LAB	MH0AS7								N	C200.7	08/25/2012	10:07:44	T

SYS SAMPLE CODE	TEST TYPE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE
G1	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-01	12.7	1	g	Other	100	mL	7440-57-5	Gold	1.2
G10	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-02	7.0	1	g	Other	100	mL	7440-57-5	Gold	2.2
G11	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-03	9.0	1	g	Other	100	mL	7440-57-5	Gold	44.0
G12	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-04	10.1	1	g	Other	100	mL	7440-57-5	Gold	44.5
G13	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-05	18.5	1	g	Other	100	mL	7440-57-5	Gold	49.1
G14	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-06	8.5	1	g	Other	100	mL	7440-57-5	Gold	1.2
G15	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-07	10.1	1	g	Other	100	mL	7440-57-5	Gold	44.5
G16	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-08	4.8	1	g	Other	100	mL	7440-57-5	Gold	1.5
G17	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-09	27.5	1	g	Other	100	mL	7440-57-5	Gold	55.2
G18	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-10	11.2	1	g	Other	100	mL	7440-57-5	Gold	45.0
G19	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-11	4.2	1	g	Other	100	mL	7440-57-5	Gold	41.8
G2	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-12	15.9	1	g	Other	100	mL	7440-57-5	Gold	47.6
G20	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-13	13.1	1	g	Other	100	mL	7440-57-5	Gold	46.0
G3	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-14	8.6	1	g	Other	100	mL	7440-57-5	Gold	43.8
G4	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-15	12.1	1	g	Other	100	mL	7440-57-5	Gold	1.2
G5	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-16	3.5	1	g	Other	100	mL	7440-57-5	Gold	41.5
G6	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-17	17.5	1	g	Other	100	mL	7440-57-5	Gold	48.5
G7	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-18	9.9	1	g	Other	100	mL	7440-57-5	Gold	44.4
G8	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-19	14.5	1	g	Other	100	mL	7440-57-5	Gold	46.8
G9	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	1208101-20	4.8	1	g	Other	100	mL	7440-57-5	Gold	42.0
G1	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-57-5	Gold	45.8
G1	Initial	LB	NA	4	3050B	08/10/2012	16:00:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-57-5	Gold	99.2
	Initial	LB	NA	1	3050B	08/10/2012	16:00:00	BONNER	QUANT	2080912-BLK	0.0	1	g		100	mL	7440-57-5	Gold	1.1

SYS SAMPLE CODE	VALIDATOR RESULTS	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G1	45.8	TRG	Y	Y	JD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	43.0	TRG	Y	Y	JD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	44.0	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	44.5	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	49.1	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	43.7	TRG	Y	Y	JD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	44.5	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	42.0	TRG	Y	Y	JD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	55.2	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	45.0	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	41.8	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	47.6	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	46.0	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	43.8	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	45.5	TRG	Y	Y	JD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	41.5	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	48.5	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	44.4	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	46.8	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	42.0	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	45.8	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	99.2	SC	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	10.0	TRG	Y	Y	J	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.2

BONNER ANALYTICAL TESTING COMPANY: SDG MHOAS8

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:34:16	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:16:48	T	Initial	LB
G1	MH0AS7	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	14:56:24	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:41:39	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:33:42	T	Initial	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:00:32	T	Dilutio	LB
G10	MH0AS8	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:00:38	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7429-90-5	Aluminum	7450	7450		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-36-0	Antimony	3.4	27.5		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-38-2	Arsenic	65.0	65.0		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-39-3	Barium	129	129		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-41-7	Beryllium	0.085	2.3		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-43-9	Cadmium	9.6	9.6		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-70-2	Calcium	10600	10600		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-47-3	Chromium	4.6	4.6		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-48-4	Cobalt	2.1	22.9		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-50-8	Copper	79.6	79.6		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7439-89-6	Iron	53800	53800		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7439-92-1	Lead	3040	3040		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7439-95-4	Magnesium	1520	2290		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7439-96-5	Manganese	396	396		TRG
G1	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-01	12.7	0.5	g	Other	100	mL	7439-97-6	Mercury	0.18	0.18		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-02-0	Nickel	3.2	3.2		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-09-7	Potassium	2870	2870		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7782-49-2	Selenium	3.4	16.0		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-22-4	Silver	14.1	14.1		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-23-5	Sodium	134	2290		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-28-0	Thallium	1.7	11.5		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-62-2	Vanadium	18.3	22.9		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	100	mL	7440-66-6	Zinc	1640	1640		TRG
G1	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-01	12.7	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7429-90-5	Aluminum	1580	1580		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-36-0	Antimony	12.5	25.8		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-38-2	Arsenic	381	381		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-39-3	Barium	83.6	86.0		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-41-7	Beryllium	0.18	2.2		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-43-9	Cadmium	158	158		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-70-2	Calcium	34000	34000		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-47-3	Chromium	4.5	4.5		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-48-4	Cobalt	1.7	21.5		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-50-8	Copper	488	488		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7439-89-6	Iron	164000	164000		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7439-92-1	Lead	15500	15500		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7439-95-4	Magnesium	12300	12300		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7439-96-5	Manganese	26800	26800		TRG
G10	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-02	7.0	0.5	g	Other	100	mL	7439-97-6	Mercury	0.85	0.85		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-02-0	Nickel	0.73	0.73		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-09-7	Potassium	1130	2150		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7782-49-2	Selenium	24.3	24.3		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-22-4	Silver	38.3	38.3		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-23-5	Sodium	65.2	2150		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-28-0	Thallium	10.9	10.9		TRG
G10	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-62-2	Vanadium	5.0	21.5		TRG
G10	NA	10	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	100	mL	7440-66-6	Zinc	21000	21000		TRG
G10	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-02	7.0	1	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7429-90-5	Aluminum	4560	4560		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-36-0	Antimony	7.7	26.4		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-38-2	Arsenic	391	391		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G1	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D		N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G10	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:43:49	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:38:09	T	Initial	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:04:48	T	Dilutio	LB
G11	MH0AS9	S	Field_Sample	FIELD	MH0AS8	08/06/2012	13:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:02:03	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:09:05	T	Dilutio	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:46:00	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:42:21	T	Initial	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:09:05	T	Dilutio	LB
G12	MH0AT0	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:03:28	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-39-3	Barium	22.6	87.9		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-41-7	Beryllium	0.20	2.2		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-43-9	Cadmium	105	105		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-70-2	Calcium	16800	16800		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-47-3	Chromium	3.3	4.4		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-48-4	Cobalt	0.77	22.0		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-50-8	Copper	813	813		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7439-89-6	Iron	110000	110000		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7439-92-1	Lead	11900	11900		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7439-95-4	Magnesium	5860	5860		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7439-96-5	Manganese	1710	1710		TRG
G11	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-03	9.0	0.5	g	Other	100	mL	7439-97-6	Mercury	0.72	0.72		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-02-0	Nickel	0.63	0.63		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-09-7	Potassium	2070	2200		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7782-49-2	Selenium	6.8	15.4		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-22-4	Silver	66.0	66.0		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-23-5	Sodium	57.3	2200		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-28-0	Thallium	5.1	11.0		TRG
G11	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-62-2	Vanadium	11.1	22.0		TRG
G11	NA	8	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	100	mL	7440-66-6	Zinc	17000	17000		TRG
G11	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-03	9.0	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7429-90-5	Aluminum	7360	7360		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-36-0	Antimony	8.8	26.7		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-38-2	Arsenic	132	132		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-39-3	Barium	25.8	89.0		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-41-7	Beryllium	0.30	2.2		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-43-9	Cadmium	132	132		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-70-2	Calcium	77800	77800		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-47-3	Chromium	3.9	4.4		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-48-4	Cobalt	0.75	22.2		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-50-8	Copper	282	282		TRG
G12	NA	8	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7439-89-6	Iron	181000	181000		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7439-92-1	Lead	9000	9000		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7439-95-4	Magnesium	13300	13300		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7439-96-5	Manganese	8500	8500		TRG
G12	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-04	10.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.41	0.41		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-02-0	Nickel	17.8	17.8		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-09-7	Potassium	1400	2220		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7782-49-2	Selenium	10.8	15.6		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-22-4	Silver	39.2	39.2		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-23-5	Sodium	62.1	2220		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-28-0	Thallium	6.6	11.1		TRG
G12	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-62-2	Vanadium	10.6	22.2		TRG
G12	NA	8	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	100	mL	7440-66-6	Zinc	18500	18500		TRG
G12	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-04	10.1	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7429-90-5	Aluminum	4700	4700		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-36-0	Antimony	4.9	29.4		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-38-2	Arsenic	49.8	49.8		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-39-3	Barium	53.8	98.2		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.13	2.5		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-43-9	Cadmium	42.6	42.6		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G11	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G11	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G12	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:48:55	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:46:39	T	Initial	LB
G13	MH0AT1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:40:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:04:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:39:19	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:50:53	T	Initial	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:13:20	T	Dilutio	LB
G14	MH0AT2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:50:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:06:18	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-70-2	Calcium	15500	15500		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-47-3	Chromium	4.9	4.9		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-48-4	Cobalt	1.3	24.5		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-50-8	Copper	95.5	95.5		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7439-89-6	Iron	104000	104000		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7439-92-1	Lead	2440	2440		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7439-95-4	Magnesium	3430	3430		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7439-96-5	Manganese	3570	3570		TRG
G13	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-05	18.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.36	0.36		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-02-0	Nickel	19.6	19.6		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-09-7	Potassium	7620	7620		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7782-49-2	Selenium	8.0	17.2		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-22-4	Silver	17.4	17.4		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-23-5	Sodium	119	2450		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-28-0	Thallium	4.5	12.3		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-62-2	Vanadium	5.7	24.5		TRG
G13	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	100	mL	7440-66-6	Zinc	6100	6100		TRG
G13	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-05	18.5	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7429-90-5	Aluminum	4970	4970		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-36-0	Antimony	10.7	26.2		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-38-2	Arsenic	276	276		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-39-3	Barium	143	143		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.13	2.2		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-43-9	Cadmium	111	111		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-70-2	Calcium	9750	9750		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-47-3	Chromium	5.8	5.8		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-48-4	Cobalt	1.7	21.9		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-50-8	Copper	422	422		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7439-89-6	Iron	146000	146000		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7439-92-1	Lead	23900	23900		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7439-95-4	Magnesium	5890	5890		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7439-96-5	Manganese	311	311		TRG
G14	NA	2	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-06	8.5	0.5	g	Other	100	mL	7439-97-6	Mercury	1.5	1.5		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-02-0	Nickel	1.5	1.5		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-09-7	Potassium	2910	2910		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7782-49-2	Selenium	7.7	15.3		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-22-4	Silver	111	111		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-23-5	Sodium	161	2190		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-28-0	Thallium	4.9	10.9		TRG
G14	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-62-2	Vanadium	12.6	21.9		TRG
G14	NA	8	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	100	mL	7440-66-6	Zinc	15700	15700		TRG
G14	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-06	8.5	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7429-90-5	Aluminum	2550	2550		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-36-0	Antimony	10.4	26.7		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-38-2	Arsenic	485	485		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-39-3	Barium	91.1	91.1		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-41-7	Beryllium	0.069	2.2		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-43-9	Cadmium	27.3	27.3		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-70-2	Calcium	16500	16500		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-47-3	Chromium	1.6	4.4		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-48-4	Cobalt	0.26	22.2		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G13	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	UD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G13	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G14	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:17:35	T	Dilutio	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:53:48	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:55:05	T	Initial	LB
G15	MH0AT3	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:07:44	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:21:50	T	Dilutio	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:56:01	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:28:59	T	Initial	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:21:50	T	Dilutio	LB
G16	MH0AT4	S	Field_Sample	FIELD	MH0AS8	08/06/2012	14:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:09:09	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-50-8	Copper	358	358		TRG
G15	NA	10	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7439-89-6	Iron	213000	213000		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7439-92-1	Lead	10300	10300		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7439-95-4	Magnesium	7870	7870		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7439-96-5	Manganese	942	942		TRG
G15	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-07	10.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.79	0.79		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-02-0	Nickel	17.8	17.8		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-09-7	Potassium	2720	2720		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7782-49-2	Selenium	10.4	15.6		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-22-4	Silver	72.3	72.3		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-23-5	Sodium	147	2220		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-28-0	Thallium	5.2	11.1		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-62-2	Vanadium	13.8	22.2		TRG
G15	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	100	mL	7440-66-6	Zinc	3360	3360		TRG
G15	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-07	10.1	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7429-90-5	Aluminum	5500	5500		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-36-0	Antimony	5.7	25.2		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-38-2	Arsenic	112	112		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-39-3	Barium	15.7	84.0		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.47	2.1		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-43-9	Cadmium	59.1	59.1		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-70-2	Calcium	69900	69900		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-47-3	Chromium	7.8	7.8		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-48-4	Cobalt	4.1	21.0		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-50-8	Copper	436	436		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7439-89-6	Iron	117000	117000		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7439-92-1	Lead	10600	10600		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7439-95-4	Magnesium	32100	32100		TRG
G16	NA	10	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7439-96-5	Manganese	26400	26400		TRG
G16	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-08	4.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.38	0.38		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-02-0	Nickel	5.5	5.5		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-09-7	Potassium	1510	2100		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7782-49-2	Selenium	19.6	19.6		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-22-4	Silver	57.4	57.4		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-23-5	Sodium	77.3	2100		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-28-0	Thallium	9.7	9.7		TRG
G16	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-62-2	Vanadium	11.1	11.1		TRG
G16	NA	10	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	100	mL	7440-66-6	Zinc	11800	11800		TRG
G16	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-08	4.8	1	g	Other	50	mL	57-12-5	Cyanide	0.53	0.53		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7429-90-5	Aluminum	49600	49600		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-36-0	Antimony	1.3	33.1		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-38-2	Arsenic	10.7	10.7		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-39-3	Barium	2860	2860		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-41-7	Beryllium	1.8	2.8		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-43-9	Cadmium	2.3	2.3		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-70-2	Calcium	89100	89100		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-47-3	Chromium	6.6	6.6		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-48-4	Cobalt	10.6	27.6		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-50-8	Copper	72.3	72.3		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7439-89-6	Iron	23700	23700		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7439-92-1	Lead	174	174		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G15	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G15	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D		N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G16	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:58:22	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:33:20	T	Initial	LB
G17	MH0AT5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	11:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:10:34	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:00:32	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:37:50	T	Initial	LB
G18	MH0AT6	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:11:58	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:07:47	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7439-95-4	Magnesium	8970	8970		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7439-96-5	Manganese	378	378		TRG
G17	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-09	27.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.050	0.14		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-02-0	Nickel	12.6	12.6		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-09-7	Potassium	860	2760		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7782-49-2	Selenium	2.4	19.3		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-22-4	Silver	5.5	5.5		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-23-5	Sodium	1360	2760		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-28-0	Thallium	13.8	13.8		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-62-2	Vanadium	53.0	53.0		TRG
G17	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	100	mL	7440-66-6	Zinc	421	421		TRG
G17	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-09	27.5	1	g	Other	50	mL	57-12-5	Cyanide	0.69	0.69		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7429-90-5	Aluminum	11000	11000		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-36-0	Antimony	1.4	27.0		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-38-2	Arsenic	16.9	16.9		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-39-3	Barium	18.2	90.1		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-41-7	Beryllium	0.61	2.3		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-43-9	Cadmium	37.7	37.7		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-70-2	Calcium	73800	73800		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-47-3	Chromium	7.0	7.0		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-48-4	Cobalt	3.4	22.5		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-50-8	Copper	29.2	29.2		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7439-89-6	Iron	35400	35400		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7439-92-1	Lead	1630	1630		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7439-95-4	Magnesium	39300	39300		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7439-96-5	Manganese	6910	6910		TRG
G18	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-10	11.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.36	0.36		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-02-0	Nickel	4.1	4.1		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-09-7	Potassium	660	2250		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7782-49-2	Selenium	5.3	15.8		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-22-4	Silver	5.6	5.6		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-23-5	Sodium	27.9	2250		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-28-0	Thallium	2.2	2.2		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-62-2	Vanadium	12.6	12.6		TRG
G18	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	100	mL	7440-66-6	Zinc	4370	4370		TRG
G18	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-10	11.2	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7429-90-5	Aluminum	4880	4880		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-36-0	Antimony	9.4	25.1		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-38-2	Arsenic	95.5	95.5		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-39-3	Barium	99.2	99.2		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-41-7	Beryllium	0.25	2.1		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-43-9	Cadmium	188	188		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-70-2	Calcium	20100	20100		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-47-3	Chromium	29.8	29.8		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-48-4	Cobalt	7.1	20.9		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-50-8	Copper	441	441		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7439-89-6	Iron	126000	126000		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7439-92-1	Lead	7390	7390		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7439-95-4	Magnesium	13700	13700		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7439-96-5	Manganese	2690	2690		TRG
G19	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-11	4.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.79	0.79		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G17	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	UD,N	UJ	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	UD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G17	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G18	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:42:03	T	Initial	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:26:06	T	Dilutio	LB
G19	MH0AT7	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:13:23	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:10:02	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:46:18	T	Initial	LB
G2	MH0AT8	S	Field_Sample	FIELD	MH0AS8	08/07/2012	10:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:14:48	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:12:14	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-02-0	Nickel	34.4	34.4		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-09-7	Potassium	616	2090		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7782-49-2	Selenium	6.9	14.6		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-22-4	Silver	25.8	25.8		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-23-5	Sodium	171	2090		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-28-0	Thallium	3.9	3.9		TRG
G19	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-62-2	Vanadium	10.5	10.5		TRG
G19	NA	15	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	100	mL	7440-66-6	Zinc	29900	29900		TRG
G19	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-11	4.2	1	g	Other	50	mL	57-12-5	Cyanide	0.52	0.52		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7429-90-5	Aluminum	2640	2640		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-36-0	Antimony	9.1	28.5		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-38-2	Arsenic	88.5	88.5		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-39-3	Barium	114	114		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-41-7	Beryllium	0.14	2.4		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-43-9	Cadmium	20.9	20.9		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-70-2	Calcium	28900	28900		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-47-3	Chromium	1.1	4.8		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-48-4	Cobalt	1.3	23.8		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-50-8	Copper	61.6	61.6		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7439-89-6	Iron	102000	102000		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7439-92-1	Lead	7420	7420		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7439-95-4	Magnesium	5710	5710		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7439-96-5	Manganese	2040	2040		TRG
G2	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-12	15.9	0.5	g	Other	100	mL	7439-97-6	Mercury	0.40	0.40		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-02-0	Nickel	19.0	19.0		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-09-7	Potassium	3350	3350		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7782-49-2	Selenium	5.6	16.6		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-22-4	Silver	21.5	21.5		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-23-5	Sodium	71.8	2380		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-28-0	Thallium	3.6	3.6		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-62-2	Vanadium	6.5	6.5		TRG
G2	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	100	mL	7440-66-6	Zinc	4170	4170		TRG
G2	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-12	15.9	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7429-90-5	Aluminum	6660	6660		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-36-0	Antimony	3.2	27.6		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-38-2	Arsenic	55.2	55.2		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-39-3	Barium	121	121		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-41-7	Beryllium	2.3	2.3		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-43-9	Cadmium	44.5	44.5		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-70-2	Calcium	13900	13900		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-47-3	Chromium	3.8	4.6		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-48-4	Cobalt	1.8	23.0		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-50-8	Copper	67.3	67.3		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7439-89-6	Iron	44400	44400		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7439-92-1	Lead	2310	2310		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7439-95-4	Magnesium	1640	1640		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7439-96-5	Manganese	599	599		TRG
G20	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-13	13.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.19	0.19		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-02-0	Nickel	2.8	2.8		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-09-7	Potassium	2490	2490		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7782-49-2	Selenium	2.5	16.1		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G19	Y	Y	D		N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G19	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G2	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	UD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:50:32	T	Initial	LB
G20	MH0AT9	S	Field_Sample	FIELD	MH0AS8	08/07/2012	14:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:16:13	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:14:30	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:54:47	T	Initial	LB
G3	MH0AW0	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:45:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:17:38	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:17:04	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-22-4	Silver	11.5	11.5		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-23-5	Sodium	91.2	2300		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-28-0	Thallium	0.84	0.84		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-62-2	Vanadium	15.9	15.9		TRG
G20	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	100	mL	7440-66-6	Zinc	5100	5100		TRG
G20	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-13	13.1	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7429-90-5	Aluminum	6460	6460		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-36-0	Antimony	2.1	26.3		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-38-2	Arsenic	54.1	54.1		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-39-3	Barium	136	136		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-41-7	Beryllium	0.25	2.2		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-43-9	Cadmium	5.5	5.5		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-70-2	Calcium	2010	2190		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-47-3	Chromium	4.8	4.8		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-48-4	Cobalt	3.0	21.9		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-50-8	Copper	129	129		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7439-89-6	Iron	34000	34000		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7439-92-1	Lead	1610	1610		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7439-95-4	Magnesium	1740	1740		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7439-96-5	Manganese	869	869		TRG
G3	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-14	8.6	0.5	g	Other	100	mL	7439-97-6	Mercury	0.046	0.11		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-02-0	Nickel	3.8	3.8		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-09-7	Potassium	1860	2190		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7782-49-2	Selenium	2.6	15.3		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-22-4	Silver	6.1	6.1		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-23-5	Sodium	200	2190		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-28-0	Thallium	1.0	1.0		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-62-2	Vanadium	22.2	22.2		TRG
G3	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	100	mL	7440-66-6	Zinc	1820	1820		TRG
G3	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-14	8.6	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7429-90-5	Aluminum	3870	3870		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-36-0	Antimony	6.9	27.3		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-38-2	Arsenic	150	150		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-39-3	Barium	24.3	91.0		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-41-7	Beryllium	0.22	2.3		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-43-9	Cadmium	23.2	23.2		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-70-2	Calcium	33100	33100		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-47-3	Chromium	2.9	4.6		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-48-4	Cobalt	0.89	22.8		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-50-8	Copper	447	447		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7439-89-6	Iron	117000	117000		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7439-92-1	Lead	4720	4720		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7439-95-4	Magnesium	7710	7710		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7439-96-5	Manganese	1860	1860		TRG
G4	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-15	12.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.11	0.11		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-02-0	Nickel	18.2	18.2		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-09-7	Potassium	1960	2280		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7782-49-2	Selenium	6.2	15.9		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-22-4	Silver	108	108		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-23-5	Sodium	54.0	2280		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-28-0	Thallium	3.8	3.8		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G20	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G20	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD,*,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G3	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	16:59:02	T	Initial	LB
G4	MH0AW1	S	Field_Sample	FIELD	MH0AS8	08/07/2012	13:00:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:19:04	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:19:16	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:03:15	T	Initial	LB
G5	MH0AW2	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:20:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:20:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:21:33	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:07:29	T	Initial	LB
G6	MH0AW3	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:15:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:21:54	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-62-2	Vanadium	9.1	9.1		TRG
G4	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	100	mL	7440-66-6	Zinc	3520	3520		TRG
G4	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-15	12.1	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7429-90-5	Aluminum	3420	3420		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-36-0	Antimony	5.7	24.9		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-38-2	Arsenic	130	130		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-39-3	Barium	21.8	82.9		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.18	2.1		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-43-9	Cadmium	20.0	20.0		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-70-2	Calcium	29600	29600		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-47-3	Chromium	1.8	4.1		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-48-4	Cobalt	0.74	20.7		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-50-8	Copper	385	385		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7439-89-6	Iron	104000	104000		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7439-92-1	Lead	4060	4060		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7439-95-4	Magnesium	6910	6910		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7439-96-5	Manganese	1590	1590		TRG
G5	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-16	3.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.28	0.28		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-02-0	Nickel	16.6	16.6		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-09-7	Potassium	1720	2070		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7782-49-2	Selenium	5.7	14.5		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-22-4	Silver	92.6	92.6		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-23-5	Sodium	48.2	2070		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-28-0	Thallium	3.6	3.6		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-62-2	Vanadium	7.0	7.0		TRG
G5	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	100	mL	7440-66-6	Zinc	3030	3030		TRG
G5	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-16	3.5	1	g	Other	50	mL	57-12-5	Cyanide	0.52	0.52		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7429-90-5	Aluminum	19100	19100		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-36-0	Antimony	1.6	29.1		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-38-2	Arsenic	27.8	27.8		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-39-3	Barium	321	321		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.16	2.4		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-43-9	Cadmium	2.2	2.2		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-70-2	Calcium	1610	2420		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-47-3	Chromium	12.4	12.4		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-48-4	Cobalt	4.6	24.2		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-50-8	Copper	57.8	57.8		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7439-89-6	Iron	38600	38600		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7439-92-1	Lead	408	408		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7439-95-4	Magnesium	3790	3790		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7439-96-5	Manganese	524	524		TRG
G6	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-17	17.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.12	0.12		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-02-0	Nickel	9.7	9.7		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-09-7	Potassium	2550	2550		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7782-49-2	Selenium	2.6	17.0		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-22-4	Silver	5.3	5.3		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-23-5	Sodium	151	2420		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-28-0	Thallium	0.68	0.68		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-62-2	Vanadium	28.3	28.3		TRG
G6	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	100	mL	7440-66-6	Zinc	637	637		TRG
G6	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-17	17.5	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G4	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G4	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G5	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD,*,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G6	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:23:47	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:11:45	T	Initial	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:30:21	T	Dilutio	LB
G7	MH0AW4	S	Field_Sample	FIELD	MH0AS8	08/07/2012	15:30:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:23:18	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:25:59	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:16:12	T	Initial	LB
G8	MH0AW5	S	Field_Sample	FIELD	MH0AS8	08/07/2012	09:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:24:43	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7429-90-5	Aluminum	5310	5310		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-36-0	Antimony	10.3	26.6		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-38-2	Arsenic	892	892		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-39-3	Barium	209	209		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-41-7	Beryllium	0.47	2.2		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-43-9	Cadmium	326	326		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-70-2	Calcium	58100	58100		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-47-3	Chromium	5.9	5.9		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-48-4	Cobalt	3.9	22.2		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-50-8	Copper	341	341		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7439-89-6	Iron	101000	101000		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7439-92-1	Lead	9800	9800		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7439-95-4	Magnesium	36100	36100		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7439-96-5	Manganese	17200	17200		TRG
G7	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-18	9.9	0.5	g	Other	100	mL	7439-97-6	Mercury	0.76	0.76		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-02-0	Nickel	9.7	9.7		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-09-7	Potassium	1550	2220		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7782-49-2	Selenium	14.2	15.5		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-22-4	Silver	69.9	69.9		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-23-5	Sodium	108	2220		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-28-0	Thallium	10.0	10.0		TRG
G7	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-62-2	Vanadium	20.7	20.7		TRG
G7	NA	20	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	100	mL	7440-66-6	Zinc	49300	49300		TRG
G7	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-18	9.9	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7429-90-5	Aluminum	3490	3490		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-36-0	Antimony	5.2	28.1		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-38-2	Arsenic	141	141		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-39-3	Barium	64.6	93.6		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-41-7	Beryllium	1.9	2.3		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-43-9	Cadmium	22.2	22.2		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-70-2	Calcium	5410	5410		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-47-3	Chromium	3.2	4.7		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-48-4	Cobalt	1.1	23.4		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-50-8	Copper	129	129		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7439-89-6	Iron	70500	70500		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7439-92-1	Lead	5090	5090		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7439-95-4	Magnesium	1180	1180		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7439-96-5	Manganese	799	799		TRG
G8	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-19	14.5	0.5	g	Other	100	mL	7439-97-6	Mercury	1.3	1.3		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-02-0	Nickel	0.31	0.31		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-09-7	Potassium	1800	2340		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7782-49-2	Selenium	4.0	16.4		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-22-4	Silver	32.6	32.6		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-23-5	Sodium	89.2	2340		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-28-0	Thallium	2.1	2.1		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-62-2	Vanadium	8.2	8.2		TRG
G8	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	100	mL	7440-66-6	Zinc	4390	4390		TRG
G8	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-19	14.5	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7429-90-5	Aluminum	6150	6150		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-36-0	Antimony	9.5	25.2		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-38-2	Arsenic	135	135		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G7	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G7	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD,E	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G8	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD,N	UJ	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/16/2012	11:34:38	T	Dilutio	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	11:28:10	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	17:20:27	T	Initial	LB
G9	MH0AW6	S	Field_Sample	FIELD	MH0AS8	08/06/2012	15:35:	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	15:26:08	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:36:26	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:25:13	T	Initial	LB
G1	MH0AS7D	S	Duplicate	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	14:57:49	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-39-3	Barium	481	481		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.32	2.1		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-43-9	Cadmium	61.2	61.2		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-70-2	Calcium	4720	4720		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-47-3	Chromium	7.7	7.7		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-48-4	Cobalt	5.9	21.0		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-50-8	Copper	395	395		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7439-89-6	Iron	69900	69900		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7439-92-1	Lead	13600	13600		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7439-95-4	Magnesium	2630	2630		TRG
G9	NA	8	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7439-96-5	Manganese	12400	12400		TRG
G9	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	1208102-20	4.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.41	0.41		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-02-0	Nickel	4.5	4.5		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-09-7	Potassium	1740	2100		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7782-49-2	Selenium	11.4	14.7		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-22-4	Silver	44.5	44.5		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-23-5	Sodium	126	2100		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-28-0	Thallium	5.5	5.5		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-62-2	Vanadium	20.0	20.0		TRG
G9	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	100	mL	7440-66-6	Zinc	7060	7060		TRG
G9	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	1208102-20	4.8	1	g	Other	50	mL	57-12-5	Cyanide	0.53	0.53		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7429-90-5	Aluminum	7820	7820		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-36-0	Antimony	3.5	27.5		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-38-2	Arsenic	82.2	82.2		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-39-3	Barium	146	146		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-41-7	Beryllium	0.11	2.3		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-43-9	Cadmium	17.2	17.2		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-70-2	Calcium	13800	13800		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-47-3	Chromium	5.0	5.0		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-48-4	Cobalt	1.9	22.9		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-50-8	Copper	77.3	77.3		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7439-89-6	Iron	56300	56300		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7439-92-1	Lead	2250	2250		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7439-95-4	Magnesium	1680	2290		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7439-96-5	Manganese	562	562		TRG
G1	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	MH0AS7-DUP	12.7	0.5	g		100	mL	7439-97-6	Mercury	0.19	0.19		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-02-0	Nickel	3.0	3.0		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-09-7	Potassium	2950	2950		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7782-49-2	Selenium	3.6	16.0		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-22-4	Silver	14.3	14.3		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-23-5	Sodium	131	2290		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-28-0	Thallium	1.8	11.5		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-62-2	Vanadium	17.3	22.9		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		100	mL	7440-66-6	Zinc	2660	2660		TRG
G1	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	MH0AS7-DUP	12.7	1	g		50	mL	57-12-5	Cyanide	0.57	0.57		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7429-90-5	Aluminum	10300	10300		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-36-0	Antimony	8.9	27.5		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-38-2	Arsenic	57.5	57.5		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-39-3	Barium	581	581		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-41-7	Beryllium	10.9	10.9		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-43-9	Cadmium	25.8	25.8		SC

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G9	Y	Y	D,E	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,*,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,*,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,N,E	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,E	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,*,N,E	J+	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD,E	UJ	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	Y	D,*	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G9	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,*		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD,N	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,N		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	10:39:16	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/15/2012	15:21:02	T	Initial	LB
G1	MH0AS7S	S	Matrix_Spike	FIELD	MH0AS8	08/07/2012	14:45:		08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	14:59:14	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	C200.7	08/15/2012	16:20:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	CV	08/15/2012	10:31:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AS8								N	AS	08/20/2012	14:54:59	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-70-2	Calcium	10300	10300		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-47-3	Chromium	47.8	47.8		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-48-4	Cobalt	113	113		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-50-8	Copper	111	111		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7439-89-6	Iron	39300	39300		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7439-92-1	Lead	1450	1450		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7439-95-4	Magnesium	2500	2500		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7439-96-5	Manganese	655	655		SC
G1	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	MH0AS7-MS	12.7	0.5	g		100	mL	7439-97-6	Mercury	0.76	0.76		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-02-0	Nickel	121	121		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-09-7	Potassium	2890	2890		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7782-49-2	Selenium	13.2	16.0		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-22-4	Silver	20.4	20.4		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-23-5	Sodium	114	2290		TRG
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-28-0	Thallium	11.6	11.6		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-62-2	Vanadium	121	121		SC
G1	NA	4	3050B	08/10/2012	10:40:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		100	mL	7440-66-6	Zinc	3040	3040		SC
G1	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	MH0AS7-MS	12.7	1	g		50	mL	57-12-5	Cyanide	4.9	4.9		SC
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7429-90-5	Aluminum	20.0	20.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-36-0	Antimony	0.14	0.14		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-38-2	Arsenic	1.0	1.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-39-3	Barium	-0.066	-0.066		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-41-7	Beryllium	0.50	0.50		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-43-9	Cadmium	0.50	0.50		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-70-2	Calcium	2.4	2.4		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-47-3	Chromium	1.0	1.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-48-4	Cobalt	5.0	5.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-50-8	Copper	2.5	2.5		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7439-89-6	Iron	1.7	10.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7439-92-1	Lead	0.093	0.093		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7439-95-4	Magnesium	500	500		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7439-96-5	Manganese	0.024	1.5		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-02-0	Nickel	4.0	4.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-09-7	Potassium	6.0	500		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7782-49-2	Selenium	3.5	3.5		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-22-4	Silver	1.0	1.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-23-5	Sodium	3.8	500		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-28-0	Thallium	2.5	2.5		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-62-2	Vanadium	5.0	5.0		TRG
	NA	1	3050B	08/10/2012	10:40:00	BONNER	QUANT	2080911-BLK	0.0	1	g		100	mL	7440-66-6	Zinc	0.15	6.0		TRG
	NA	1	7471B	08/15/2012	07:30:00	BONNER	QUANT	2081501-BLK	0.0	0.5	g		100	mL	7439-97-6	Mercury	0.0059	0.10		TRG
	NA	1	Midi-distillati	08/17/2012	16:05:00	BONNER	QUANT	2081706-BLK	0.0	1	g		50	mL	57-12-5	Cyanide	-0.17	-0.17		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
G1	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,N		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,N		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D,N		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
G1	Y	Y			N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.3
BONNER ANALYTICAL TESTING COMPANY: SDG MHOAW7

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	17:21:07	T
GB1-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	17:38:15	T
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	17:42:41	T
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	17:47:00	T
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	17:59:58	T
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:04:13	T
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:08:40	T
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:12:57	T
NM11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:17:14	T
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:21:30	T
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:25:47	T
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:30:03	T
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:34:21	T
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:38:37	T
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW7	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:42:55	T
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW7	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:47:12	T
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW7	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:51:30	T
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW7	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	18:55:55	T
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW7	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	19:00:13	T
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW7	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	19:04:37	T
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW7	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	17:29:38	T
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW7	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	17:25:23	T
	PBS01	S	Method_Blank	LAB	MH0AW7								N	C200.7	08/27/2012	17:12:29	T

SYS SAMPLE CODE	TEST TYPE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE
GB1-10	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-01	18.0	1	g	Other	100	mL	7440-57-5	Gold	48.8
GB1-20	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-02	18.4	1	g	Other	100	mL	7440-57-5	Gold	49.0
GB1-30	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-03	15.8	1	g	Other	100	mL	7440-57-5	Gold	47.5
GB2-10	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-04	10.5	1	g	Other	100	mL	7440-57-5	Gold	44.7
GB2-20	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-05	8.9	1	g	Other	100	mL	7440-57-5	Gold	43.9
GB2-30	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-06	8.6	1	g	Other	100	mL	7440-57-5	Gold	43.8
GB2-40	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-07	16.3	1	g	Other	100	mL	7440-57-5	Gold	47.8
NM1	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-08	7.4	1	g	Other	100	mL	7440-57-5	Gold	43.2
NM11	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-09	9.2	1	g	Other	100	mL	7440-57-5	Gold	44.1
NM2	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-10	13.8	1	g	Other	100	mL	7440-57-5	Gold	46.4
NM3	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-11	11.3	1	g	Other	100	mL	7440-57-5	Gold	45.1
NM7	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-12	12.4	1	g	Other	100	mL	7440-57-5	Gold	45.7
OM1	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-13	4.5	1	g	Other	100	mL	7440-57-5	Gold	41.9
OM2	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-14	14.2	1	g	Other	100	mL	7440-57-5	Gold	46.6
OM3	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-15	4.4	1	g	Other	100	mL	7440-57-5	Gold	1.3
OM4	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-16	11.5	1	g	Other	100	mL	7440-57-5	Gold	45.2
OM5	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-17	12.2	1	g	Other	100	mL	7440-57-5	Gold	45.6
OM6	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-18	13.1	1	g	Other	100	mL	7440-57-5	Gold	46.0
RB1-10	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-19	12.5	1	g	Other	100	mL	7440-57-5	Gold	45.7
RB1-20	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	1208225-20	9.1	1	g	Other	100	mL	7440-57-5	Gold	44.0
GB1-10	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-57-5	Gold	48.8
GB1-10	Initial	LB	NA	4	3050B	08/24/2012	08:45:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-57-5	Gold	107
	Initial	LB	NA	1	3050B	08/24/2012	08:45:00	BONNER	QUANT	2082001-BLK	0.0	1	g		100	mL	7440-57-5	Gold	10.0

SYS SAMPLE CODE	VALIDATOR RESULTS	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
GB1-10	48.8	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-20	49.0	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30	47.5	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-10	44.7	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-20	43.9	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-30	43.8	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-40	47.8	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1	43.2	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM11	44.1	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM2	46.4	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3	45.1	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7	45.7	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1	41.9	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2	46.6	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3	1.3	TRG	Y	Y	JD	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4	45.2	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5	45.6	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6	46.0	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10	45.7	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20	44.0	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10	48.8	TRG	Y	Y	UD	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10	107	SC	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	10.0	TRG	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.4
BONNER ANALYTICAL TESTING COMPANY: SDG MHOAX4

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX4	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	14:28:18	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX4	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	14:32:37	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX4	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	14:50:23	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX4	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	14:54:45	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX4	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	14:59:13	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX4	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	15:03:40	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX4	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	15:08:08	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX4	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	15:12:28	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX4	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	15:16:47	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX4	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	15:29:55	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX4	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	15:34:23	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX4	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	15:38:51	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX4	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/27/2012	15:43:09	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX4	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	14:41:28	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX4	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	16:15:38	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX4								N	C200.7	08/27/2012	14:19:30	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB1-10	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-01	18.4	1	g	Other	100	mL	7440-57-5	Gold	49.0	49.0		TRG
NB1-20	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-02	15.0	1	g	Other	100	mL	7440-57-5	Gold	47.1	47.1		TRG
NB1-30	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-03	8.8	1	g	Other	100	mL	7440-57-5	Gold	43.9	43.9		TRG
NB1-40	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-04	16.5	1	g	Other	100	mL	7440-57-5	Gold	100	100		TRG
NM10	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-05	12.5	1	g	Other	100	mL	7440-57-5	Gold	45.7	45.7		TRG
NM4	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-06	15.5	1	g	Other	100	mL	7440-57-5	Gold	47.3	47.3		TRG
NM5	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-07	11.3	1	g	Other	100	mL	7440-57-5	Gold	45.1	45.1		TRG
NM6	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-08	10.4	1	g	Other	100	mL	7440-57-5	Gold	44.6	44.6		TRG
NM8	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-09	8.4	1	g	Other	100	mL	7440-57-5	Gold	1.1	1.1		TRG
NM9	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-10	10.0	1	g	Other	100	mL	7440-57-5	Gold	44.4	44.4		TRG
OM7	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-11	14.8	1	g	Other	100	mL	7440-57-5	Gold	46.9	46.9		TRG
OM8	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-12	6.9	1	g	Other	100	mL	7440-57-5	Gold	43.0	43.0		TRG
NB1-41	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	1208180-13	11.2	1	g	Other	100	mL	7440-57-5	Gold	45.0	45.0		TRG
NB1-20	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-57-5	Gold	47.1	47.1		TRG
NB1-20	NA	4	3050B	08/26/2012	08:30:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-57-5	Gold	109	109		SC
	NA	1	3050B	08/26/2012	08:30:00	BONNER	QUANT	2081607-BLK	0.0	1	g		100	mL	7440-57-5	Gold	10.0	10.0		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB1-10	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	JD	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.5
BONNER ANALYTICAL TESTING COMPANY: SDG MHOAX5

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	09:52:04	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:42:00	T	Initial	LB
NB1-10	MH0AX4	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:01:56	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	09:54:24	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:46:16	T	Initial	LB
NB1-20	MH0AX5	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7429-90-5	Aluminum	2230	2230		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-36-0	Antimony	1.1	1.1		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-38-2	Arsenic	132	132		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-39-3	Barium	172	172		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-41-7	Beryllium	2.5	2.5		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-43-9	Cadmium	1.2	1.2		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-70-2	Calcium	212	212		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-47-3	Chromium	1.5	1.5		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-48-4	Cobalt	24.5	24.5		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-50-8	Copper	40.1	40.1		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7439-89-6	Iron	23400	23400		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7439-92-1	Lead	1020	1020		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7439-95-4	Magnesium	142	2450		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7439-96-5	Manganese	9.7	9.7		TRG
NB1-10	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-01	18.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.19	0.19		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-02-0	Nickel	19.6	19.6		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-09-7	Potassium	1620	2450		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7782-49-2	Selenium	1.7	17.2		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-22-4	Silver	2.5	4.9		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-23-5	Sodium	12.1	2450		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-28-0	Thallium	12.3	12.3		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-62-2	Vanadium	2.1	2.1		TRG
NB1-10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	100	mL	7440-66-6	Zinc	346	346		TRG
NB1-10	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-01	18.4	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7429-90-5	Aluminum	6500	6500		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-36-0	Antimony	14.6	14.6		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-38-2	Arsenic	365	365		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-39-3	Barium	544	544		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-41-7	Beryllium	1.1	1.1		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-43-9	Cadmium	46.4	46.4		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-70-2	Calcium	7530	7530		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-47-3	Chromium	8.4	8.4		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-48-4	Cobalt	9.9	23.5		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-50-8	Copper	150	150		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7439-89-6	Iron	125000	125000		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7439-92-1	Lead	912	912		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7439-95-4	Magnesium	2380	2380		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7439-96-5	Manganese	11600	11600		TRG
NB1-20	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-02	15.0	0.5	g	Other	100	mL	7439-97-6	Mercury	0.37	0.37		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-02-0	Nickel	34.2	34.2		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-09-7	Potassium	1940	2350		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7782-49-2	Selenium	10.8	16.5		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-22-4	Silver	27.7	27.7		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-23-5	Sodium	143	2350		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-28-0	Thallium	11.8	11.8		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-62-2	Vanadium	31.0	31.0		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	100	mL	7440-66-6	Zinc	6090	6090		TRG
NB1-20	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-02	15.0	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7429-90-5	Aluminum	6180	6180		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-36-0	Antimony	0.28	0.28		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-38-2	Arsenic	6.3	6.3		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB1-10	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	D,N	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	UD,N	UJ	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	UD,N	UJ	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	UD,N	UJ	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-10	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:01:20	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:03:21	T	Initial	LB
NB1-30	MH0AX6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:05:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:30:16	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:04:00	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:07:34	T	Initial	LB
NB1-40	MH0AY0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:31:41	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-39-3	Barium	81.1	87.7		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.20	0.20		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-43-9	Cadmium	7.9	7.9		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-70-2	Calcium	6960	6960		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-47-3	Chromium	4.8	4.8		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-48-4	Cobalt	4.0	21.9		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-50-8	Copper	28.2	28.2		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7439-89-6	Iron	24800	24800		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7439-92-1	Lead	11.1	11.1		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7439-95-4	Magnesium	2480	2480		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7439-96-5	Manganese	316	316		TRG
NB1-30	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-03	8.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.0065	0.0065		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-02-0	Nickel	4.6	4.6		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-09-7	Potassium	2200	2200		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7782-49-2	Selenium	1.2	15.4		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-22-4	Silver	1.5	4.4		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-23-5	Sodium	50.1	2190		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-28-0	Thallium	11.0	11.0		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-62-2	Vanadium	10.3	10.3		TRG
NB1-30	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	100	mL	7440-66-6	Zinc	974	974		TRG
NB1-30	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-03	8.8	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7429-90-5	Aluminum	4900	4900		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-36-0	Antimony	5.9	5.9		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-38-2	Arsenic	152	152		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-39-3	Barium	273	273		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.47	0.47		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-43-9	Cadmium	26.3	26.3		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-70-2	Calcium	4890	4890		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-47-3	Chromium	6.8	6.8		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-48-4	Cobalt	4.4	24.0		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-50-8	Copper	95.0	95.0		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7439-89-6	Iron	68900	68900		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7439-92-1	Lead	559	559		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7439-95-4	Magnesium	1370	2400		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7439-96-5	Manganese	4840	4840		TRG
NB1-40	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-04	16.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-02-0	Nickel	12.9	12.9		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-09-7	Potassium	2180	2400		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7782-49-2	Selenium	5.7	16.8		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-22-4	Silver	16.0	16.0		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-23-5	Sodium	114	2400		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-28-0	Thallium	12.0	12.0		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-62-2	Vanadium	15.6	15.6		TRG
NB1-40	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	100	mL	7440-66-6	Zinc	3500	3500		TRG
NB1-40	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-04	16.5	1	g	Other	50	mL	57-12-5	Cyanide	0.60	0.60		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7429-90-5	Aluminum	5180	5180		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-36-0	Antimony	5.2	5.2		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-38-2	Arsenic	190	190		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-39-3	Barium	115	115		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.26	0.26		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-43-9	Cadmium	51.9	51.9		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB1-30	Y	Y	JD,N	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	J*	J	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-30	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D,N	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-40	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D,N	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:31:44	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:11:48	T	Initial	LB
NM10	MH0AY2	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:10:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:33:05	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:17:51	T	Dilutio	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:08:34	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:16:01	T	Initial	LB
NM4	MH0AY6	S	Field_Sample	FIELD	MH0AX5	08/13/2012	11:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:34:30	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-70-2	Calcium	7020	7020		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-47-3	Chromium	4.2	4.2		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-48-4	Cobalt	2.2	22.9		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-50-8	Copper	214	214		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7439-89-6	Iron	80000	80000		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7439-92-1	Lead	16700	16700		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7439-95-4	Magnesium	3220	3220		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7439-96-5	Manganese	3950	3950		TRG
NM10	NA	2	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-05	12.5	0.5	g	Other	100	mL	7439-97-6	Mercury	1.6	1.6		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-02-0	Nickel	1.7	1.7		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-09-7	Potassium	2710	2710		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7782-49-2	Selenium	5.3	16.0		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-22-4	Silver	47.0	47.0		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-23-5	Sodium	76.8	2290		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-28-0	Thallium	4.4	11.4		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-62-2	Vanadium	15.9	15.9		TRG
NM10	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	100	mL	7440-66-6	Zinc	8940	8940		TRG
NM10	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-05	12.5	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7429-90-5	Aluminum	4610	4610		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-36-0	Antimony	16.2	16.2		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-38-2	Arsenic	784	784		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-39-3	Barium	1220	1220		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-41-7	Beryllium	0.71	0.71		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-43-9	Cadmium	55.6	55.6		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-70-2	Calcium	92500	92500		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-47-3	Chromium	12.7	12.7		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-48-4	Cobalt	9.3	22.5		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-50-8	Copper	86.0	86.0		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7439-89-6	Iron	111000	111000		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7439-92-1	Lead	1780	1780		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7439-95-4	Magnesium	39400	39400		TRG
NM4	NA	8	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7439-96-5	Manganese	19600	19600		TRG
NM4	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-06	11.3	0.5	g	Other	100	mL	7439-97-6	Mercury	0.91	0.91		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-02-0	Nickel	57.9	57.9		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-09-7	Potassium	1870	2250		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7782-49-2	Selenium	12.4	15.8		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-22-4	Silver	78.4	78.4		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-23-5	Sodium	278	2250		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-28-0	Thallium	11.3	11.3		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-62-2	Vanadium	36.5	36.5		TRG
NM4	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	100	mL	7440-66-6	Zinc	7320	7320		TRG
NM4	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-06	11.3	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7429-90-5	Aluminum	4430	4430		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-36-0	Antimony	8.4	8.4		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-38-2	Arsenic	212	212		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-39-3	Barium	65.0	94.7		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.25	0.25		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-43-9	Cadmium	72.2	72.2		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-70-2	Calcium	38100	38100		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-47-3	Chromium	2.3	2.3		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-48-4	Cobalt	0.37	23.7		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM10	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D,*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM10	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,N	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM4	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD,N	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:10:45	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:20:12	T	Initial	LB
NM5	MH0AY7	S	Field_Sample	FIELD	MH0AX5	08/13/2012	12:20:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:35:56	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:13:08	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:46:15	T	Initial	LB
NM6	MH0AY8	S	Field_Sample	FIELD	MH0AX5	08/13/2012	13:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:37:21	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-50-8	Copper	939	939		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7439-89-6	Iron	139000	139000		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7439-92-1	Lead	12000	12000		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7439-95-4	Magnesium	3630	3630		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7439-96-5	Manganese	1280	1280		TRG
NM5	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-07	15.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.57	0.57		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-02-0	Nickel	18.9	18.9		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-09-7	Potassium	3110	3110		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7782-49-2	Selenium	6.3	16.6		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-22-4	Silver	47.9	47.9		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-23-5	Sodium	94.4	2370		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-28-0	Thallium	11.8	11.8		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-62-2	Vanadium	7.9	7.9		TRG
NM5	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	100	mL	7440-66-6	Zinc	10700	10700		TRG
NM5	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-07	15.5	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7429-90-5	Aluminum	2740	2740		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-36-0	Antimony	4.2	4.2		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-38-2	Arsenic	158	158		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-39-3	Barium	29.4	89.3		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.064	0.064		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-43-9	Cadmium	30.8	30.8		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-70-2	Calcium	22600	22600		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-47-3	Chromium	4.5	4.5		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-48-4	Cobalt	0.17	22.3		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-50-8	Copper	228	228		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7439-89-6	Iron	84100	84100		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7439-92-1	Lead	6190	6190		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7439-95-4	Magnesium	2330	2330		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7439-96-5	Manganese	804	804		TRG
NM6	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-08	10.4	0.5	g	Other	100	mL	7439-97-6	Mercury	1.2	1.2		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-02-0	Nickel	17.9	17.9		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-09-7	Potassium	2790	2790		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7782-49-2	Selenium	5.4	15.6		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-22-4	Silver	72.8	72.8		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-23-5	Sodium	65.2	65.2		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-28-0	Thallium	0.57	11.2		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-62-2	Vanadium	7.2	7.2		TRG
NM6	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	100	mL	7440-66-6	Zinc	4940	4940		TRG
NM6	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-08	10.4	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7429-90-5	Aluminum	5220	5220		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-36-0	Antimony	35.6	35.6		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-38-2	Arsenic	530	530		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-39-3	Barium	213	213		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.39	0.39		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-43-9	Cadmium	43.3	43.3		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-70-2	Calcium	5040	5040		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-47-3	Chromium	9.5	9.5		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-48-4	Cobalt	3.3	21.8		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-50-8	Copper	728	728		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7439-89-6	Iron	130000	130000		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7439-92-1	Lead	27500	27500		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM5	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	UD,N	UJ	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM5	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD,N	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	UD,N	UJ	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	UD,N	UJ	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM6	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,N	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:15:19	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:50:29	T	Initial	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	13:34:45	T	Dilutio	LB
NM8	MH0AZ0	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:00:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:38:46	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:17:32	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:54:41	T	Initial	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	13:39:00	T	Dilutio	LB
NM9	MH0AZ1	S	Field_Sample	FIELD	MH0AX5	08/13/2012	10:45:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:40:11	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:19:53	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7439-95-4	Magnesium	1600	2180		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7439-96-5	Manganese	7950	7950		TRG
NM8	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-09	8.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.29	0.29		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-02-0	Nickel	6.0	6.0		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-09-7	Potassium	2500	2500		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7782-49-2	Selenium	11.0	15.3		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-22-4	Silver	78.3	78.3		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-23-5	Sodium	286	286		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-28-0	Thallium	10.9	10.9		TRG
NM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-62-2	Vanadium	526	526		TRG
NM8	NA	6	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	100	mL	7440-66-6	Zinc	13800	13800		TRG
NM8	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-09	8.4	1	g	Other	50	mL	57-12-5	Cyanide	0.13	0.13		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7429-90-5	Aluminum	5160	5160		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-36-0	Antimony	5.9	5.9		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-38-2	Arsenic	266	266		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-39-3	Barium	207	207		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-41-7	Beryllium	0.39	0.39		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-43-9	Cadmium	68.9	68.9		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-70-2	Calcium	11600	11600		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-47-3	Chromium	3.3	3.3		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-48-4	Cobalt	3.2	22.2		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-50-8	Copper	316	316		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7439-89-6	Iron	107000	107000		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7439-92-1	Lead	15000	15000		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7439-95-4	Magnesium	6070	6070		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7439-96-5	Manganese	5960	5960		TRG
NM9	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-10	10.0	0.5	g	Other	100	mL	7439-97-6	Mercury	1.0	1.0		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-02-0	Nickel	3.1	3.1		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-09-7	Potassium	2420	2420		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7782-49-2	Selenium	7.8	15.6		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-22-4	Silver	44.5	44.5		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-23-5	Sodium	68.0	68.0		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-28-0	Thallium	11.1	11.1		TRG
NM9	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-62-2	Vanadium	18.9	18.9		TRG
NM9	NA	6	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	100	mL	7440-66-6	Zinc	13700	13700		TRG
NM9	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-10	10.0	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7429-90-5	Aluminum	6980	6980		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-36-0	Antimony	9.9	9.9		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-38-2	Arsenic	177	177		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-39-3	Barium	88.5	93.9		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.43	0.43		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-43-9	Cadmium	34.5	34.5		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-70-2	Calcium	2820	2820		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-47-3	Chromium	6.9	6.9		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-48-4	Cobalt	1.4	23.5		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-50-8	Copper	1260	1260		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7439-89-6	Iron	112000	112000		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7439-92-1	Lead	17000	17000		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7439-95-4	Magnesium	947	2350		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7439-96-5	Manganese	8100	8100		TRG
OM7	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-11	14.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.28	0.28		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM8	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM8	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D,N	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM9	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JD,N	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JD,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	11:58:53	T	Initial	LB
OM7	MH0B04	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:15:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:41:36	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:22:07	T	Dilutio	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	10:22:15	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	12:03:06	T	Initial	LB
OM8	MH0B05	S	Field_Sample	FIELD	MH0AX5	08/13/2012	14:30:	8-081312-175552-0004	08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:43:01	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	CV	08/23/2012	10:24:45	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-02-0	Nickel	1.4	1.4		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-09-7	Potassium	2840	2840		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7782-49-2	Selenium	9.1	16.4		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-22-4	Silver	22.5	22.5		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-23-5	Sodium	63.0	63.0		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-28-0	Thallium	11.7	11.7		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-62-2	Vanadium	49.2	49.2		TRG
OM7	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	100	mL	7440-66-6	Zinc	10200	10200		TRG
OM7	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-11	14.8	1	g	Other	50	mL	57-12-5	Cyanide	0.22	0.22		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7429-90-5	Aluminum	1440	1440		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-36-0	Antimony	11.2	11.2		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-38-2	Arsenic	340	340		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-39-3	Barium	18.0	85.9		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-41-7	Beryllium	2.1	2.1		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-43-9	Cadmium	2.0	2.0		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-70-2	Calcium	2150	2150		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-47-3	Chromium	4.3	4.3		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-48-4	Cobalt	5.8	21.5		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-50-8	Copper	26.9	26.9		TRG
OM8	NA	10	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7439-89-6	Iron	341000	341000		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7439-92-1	Lead	1410	1410		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7439-95-4	Magnesium	111	2150		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7439-96-5	Manganese	21.1	21.1		TRG
OM8	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-12	6.9	0.5	g	Other	100	mL	7439-97-6	Mercury	0.12	0.12		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-02-0	Nickel	4.1	4.1		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-09-7	Potassium	767	2150		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7782-49-2	Selenium	6.1	15.0		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-22-4	Silver	210	210		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-23-5	Sodium	2150	2150		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-28-0	Thallium	10.7	10.7		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-62-2	Vanadium	3.0	3.0		TRG
OM8	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	100	mL	7440-66-6	Zinc	199	199		TRG
OM8	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-12	6.9	1	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7429-90-5	Aluminum	10700	10700		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-36-0	Antimony	0.26	0.26		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-38-2	Arsenic	6.9	6.9		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-39-3	Barium	80.3	90.1		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-41-7	Beryllium	2.3	2.3		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-43-9	Cadmium	18.3	18.3		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-70-2	Calcium	3230	3230		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-47-3	Chromium	13.3	13.3		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-48-4	Cobalt	6.0	22.5		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-50-8	Copper	60.3	60.3		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7439-89-6	Iron	23500	23500		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7439-92-1	Lead	26.4	26.4		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7439-95-4	Magnesium	2840	2840		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7439-96-5	Manganese	469	469		TRG
NB1-41	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	1208182-13	11.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.11	0.11		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-02-0	Nickel	8.7	8.7		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-09-7	Potassium	1830	2250		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7782-49-2	Selenium	1.3	15.8		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OM7	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM7	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD,N	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	UD,N	UJ	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	UD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	UD,N	UJ	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	UD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	JD,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM8	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	JD,N,E	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	JD,N	UJ	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	UD,N	UJ	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D,N	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	JD,N	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D,N	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D,E	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	U*	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	JD,N	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	C200.7	08/24/2012	12:07:29	T	Initial	LB
NB1-41	MH0B53	S	Field_Sample	FIELD	MH0AX5	08/13/2012	15:00:	8-081312-175552-0004	08/14/2012	08/15/2012		HDR	N	AS	08/24/2012	17:44:26	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	09:56:56	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:54:49	T	Initial	LB
NB1-20	MH0AX5D	S	Duplicate	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:04:46	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	CV	08/23/2012	09:59:08	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-22-4	Silver	1.6	4.5		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-23-5	Sodium	58.4	58.4		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-28-0	Thallium	11.3	11.3		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-62-2	Vanadium	27.5	27.5		TRG
NB1-41	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	100	mL	7440-66-6	Zinc	1840	1840		TRG
NB1-41	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	1208182-13	11.2	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7429-90-5	Aluminum	7010	7010		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-36-0	Antimony	14.8	14.8		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-38-2	Arsenic	460	460		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-39-3	Barium	538	538		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-41-7	Beryllium	1.4	1.4		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-43-9	Cadmium	44.4	44.4		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-70-2	Calcium	8690	8690		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-47-3	Chromium	7.7	7.7		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-48-4	Cobalt	10.3	23.5		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-50-8	Copper	150	150		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7439-89-6	Iron	148000	148000		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7439-92-1	Lead	1030	1030		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7439-95-4	Magnesium	2300	2350		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7439-96-5	Manganese	12700	12700		TRG
NB1-20	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	MH0AX5-DUP	15.0	0.5	g		100	mL	7439-97-6	Mercury	0.49	0.49		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-02-0	Nickel	35.7	35.7		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-09-7	Potassium	1930	2350		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7782-49-2	Selenium	12.0	16.5		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-22-4	Silver	30.9	30.9		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-23-5	Sodium	135	2350		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-28-0	Thallium	11.8	11.8		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-62-2	Vanadium	30.1	30.1		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		100	mL	7440-66-6	Zinc	6820	6820		TRG
NB1-20	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	MH0AX5-DUP	15.0	1	g		50	mL	57-12-5	Cyanide	0.59	0.59		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7429-90-5	Aluminum	6000	6000		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-36-0	Antimony	23.4	23.4		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-38-2	Arsenic	360	360		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-39-3	Barium	865	865		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-41-7	Beryllium	10.0	10.0		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-43-9	Cadmium	53.2	53.2		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-70-2	Calcium	6590	6590		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-47-3	Chromium	36.7	36.7		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-48-4	Cobalt	90.7	90.7		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-50-8	Copper	172	172		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7439-89-6	Iron	147000	147000		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7439-92-1	Lead	799	799		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7439-95-4	Magnesium	2480	2480		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7439-96-5	Manganese	18800	18800		SC
NB1-20	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	MH0AX5-MS	15.0	0.5	g		100	mL	7439-97-6	Mercury	0.97	0.97		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-02-0	Nickel	133	133		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-09-7	Potassium	1420	2350		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7782-49-2	Selenium	23.2	23.2		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-22-4	Silver	39.8	39.8		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-23-5	Sodium	106	2350		TRG
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-28-0	Thallium	11.8	11.8		SC

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB1-41	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	UD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D,N	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-41	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,*		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	*		N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	UD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D,N		N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	UD,N	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAM PLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	10:50:29	T	Initial	LB
NB1-20	MH0AX5S	S	Matrix_Spike	FIELD	MH0AX5	08/13/2012	12:20:		08/14/2012	08/15/2012	Todd Wickert	HDR	N	AS	08/24/2012	17:06:11	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	C200.7	08/24/2012	10:33:22	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	CV	08/23/2012	09:49:54	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AX5								N	AS	08/24/2012	17:00:30	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-62-2	Vanadium	105	105		SC
NB1-20	NA	4	3050B	08/20/2012	10:45:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		100	mL	7440-66-6	Zinc	6350	6350		SC
NB1-20	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	MH0AX5-MS	15.0	1	g		50	mL	57-12-5	Cyanide	0.59	0.59		SC
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7429-90-5	Aluminum	20.0	20.0		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-36-0	Antimony	-0.096	-0.096		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-38-2	Arsenic	-0.19	-0.19		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-39-3	Barium	-0.091	-0.091		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-41-7	Beryllium	-0.0062	-0.0062		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-43-9	Cadmium	-0.0089	-0.0089		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-70-2	Calcium	-3.3	-3.3		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-47-3	Chromium	1.0	1.0		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-48-4	Cobalt	5.0	5.0		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-50-8	Copper	-0.051	-0.051		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7439-89-6	Iron	-0.31	-0.31		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7439-92-1	Lead	1.0	1.0		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7439-95-4	Magnesium	500	500		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7439-96-5	Manganese	1.5	1.5		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-02-0	Nickel	-0.078	-0.078		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-09-7	Potassium	500	500		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7782-49-2	Selenium	0.18	3.5		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-22-4	Silver	0.35	1.0		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-23-5	Sodium	500	500		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-28-0	Thallium	-0.095	-0.095		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-62-2	Vanadium	-0.11	-0.11		TRG
	NA	1	3050B	08/20/2012	10:45:00	BONNER	QUANT	2081608-BLK	0.0	1	g		100	mL	7440-66-6	Zinc	0.12	6.0		TRG
	NA	1	7471B	08/23/2012	07:00:00	BONNER	QUANT	2082214-BLK	0.0	0.5	g		100	mL	7439-97-6	Mercury	0.10	0.10		TRG
	NA	1	Midi-distillati	08/23/2012	14:25:00	BONNER	QUANT	2082301-BLK	0.0	1	g		50	mL	57-12-5	Cyanide	0.50	0.50		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB1-20	Y	Y	D,N		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB1-20	Y	Y	UN	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.6
BONNER ANALYTICAL TESTING COMPANY: SDG MHOBO7

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R1	MH0B06	S	Field_Sample	FIELD	MH0B07	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:26:28	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B07	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	11:47:40	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B07	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	11:51:57	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B07	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	11:56:22	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B07	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:52:19	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B07	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:56:44	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B07	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:01:08	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B07	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:05:34	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B07	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:00:48	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B07	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:09:53	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B07	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:14:13	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B07	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:18:40	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B07	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:22:57	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B07	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:05:06	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B07	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:27:15	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B07	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	13:31:32	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B07	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:09:24	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B07	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:35:00	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B07	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/27/2012	12:30:44	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B07								N	C200.7	08/27/2012	11:38:58	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R1	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-10	20.1	1	g	Other	100	mL	7440-57-5	Gold	1.2	50.1
R10	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-01	13.7	1	g	Other	100	mL	7440-57-5	Gold	46.3	46.3
R11	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-02	14.4	1	g	Other	100	mL	7440-57-5	Gold	46.7	46.7
R12	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-03	12.4	1	g	Other	100	mL	7440-57-5	Gold	45.7	45.7
R13	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-11	7.0	1	g	Other	100	mL	7440-57-5	Gold	43.0	43.0
R14	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-12	8.8	1	g	Other	100	mL	7440-57-5	Gold	1.1	43.9
R15	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-13	11.0	1	g	Other	100	mL	7440-57-5	Gold	44.9	44.9
R16	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-14	6.8	1	g	Other	100	mL	7440-57-5	Gold	42.9	42.9
R17	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-04	10.6	1	g	Other	100	mL	7440-57-5	Gold	44.7	44.7
R18	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-15	9.2	1	g	Other	100	mL	7440-57-5	Gold	44.1	44.1
R19	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-16	10.8	1	g	Other	100	mL	7440-57-5	Gold	44.8	44.8
R2	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-17	9.8	1	g	Other	100	mL	7440-57-5	Gold	44.3	44.3
R20	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-18	16.9	1	g	Other	100	mL	7440-57-5	Gold	48.1	48.1
R21	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-05	18.9	1	g	Other	100	mL	7440-57-5	Gold	49.3	49.3
R22	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-19	16.2	1	g	Other	100	mL	7440-57-5	Gold	47.7	47.7
R3	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-20	10.4	1	g	Other	100	mL	7440-57-5	Gold	44.6	44.6
R5	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	1208109-06	12.5	1	g	Other	100	mL	7440-57-5	Gold	45.7	45.7
R1	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-57-5	Gold	50.1	50.1
R1	LB	NA	4	3050B	08/15/2012	08:45:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-57-5	Gold	136	136
	LB	NA	1	3050B	08/15/2012	08:45:00	BONNER	QUANT	2081308-BLK	0.0	1	g		100	mL	7440-57-5	Gold	2.1	2.1

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R1	TRG	Y	Y	JD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	UD	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.7

BONNER ANALYTICAL TESTING COMPANY: SDG MHOBO8

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:09:53	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:33:44	T	Initial
R1	MH0B06	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:54:55	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:16:45	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:55:36	T	Initial
R10	MH0B07	S	Field_Sample	FIELD	MH0B08	08/07/2012	13:00:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:42:10	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7429-90-5	Aluminum	4570	4570
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-36-0	Antimony	8.7	8.7
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-38-2	Arsenic	233	233
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-39-3	Barium	72.1	72.1
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-41-7	Beryllium	0.075	2.5
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-43-9	Cadmium	23.2	23.2
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-70-2	Calcium	34800	34800
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-47-3	Chromium	4.4	5.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-48-4	Cobalt	0.54	25.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-50-8	Copper	935	935
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7439-89-6	Iron	117000	117000
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7439-92-1	Lead	37600	37600
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7439-95-4	Magnesium	2430	2430
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7439-96-5	Manganese	693	693
R1	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-10	20.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.55	0.55
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-02-0	Nickel	20.0	20.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-09-7	Potassium	3070	3070
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7782-49-2	Selenium	4.7	17.5
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-22-4	Silver	137	137
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-23-5	Sodium	130	2500
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-28-0	Thallium	2.5	2.5
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-62-2	Vanadium	10.0	10.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	100	mL	7440-66-6	Zinc	4560	4560
R1	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-10	20.1	1	g	Other	50	mL	57-12-5	Cyanide	0.63	0.63
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7429-90-5	Aluminum	9790	9790
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-36-0	Antimony	1.0	1.0
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-38-2	Arsenic	10.7	10.7
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-39-3	Barium	137	137
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-41-7	Beryllium	0.091	2.3
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-43-9	Cadmium	4.9	4.9
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-70-2	Calcium	1020	1020
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-47-3	Chromium	6.4	6.4
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-48-4	Cobalt	2.6	23.2
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-50-8	Copper	29.0	29.0
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7439-89-6	Iron	22500	22500
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7439-92-1	Lead	282	282
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7439-95-4	Magnesium	1690	1690
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7439-96-5	Manganese	477	477
R10	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-01	13.7	0.5	g	Other	100	mL	7439-97-6	Mercury	0.12	0.12
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-02-0	Nickel	4.0	4.0
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-09-7	Potassium	1530	2320
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7782-49-2	Selenium	0.90	16.2
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-22-4	Silver	1.3	1.3
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-23-5	Sodium	70.1	2320
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-28-0	Thallium	11.6	11.6
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-62-2	Vanadium	20.2	20.2
R10	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	100	mL	7440-66-6	Zinc	849	849
R10	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-01	13.7	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7429-90-5	Aluminum	764	764
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-36-0	Antimony	5.6	5.6
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-38-2	Arsenic	108	108
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-39-3	Barium	113	113
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.051	2.3
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-43-9	Cadmium	30.4	30.4
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-70-2	Calcium	22300	22300
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-47-3	Chromium	4.7	4.7

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R1	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	UD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R10	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	UD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:19:21	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	14:59:51	T	Initial
R11	MH0B08	S	Field_Sample	FIELD	MH0B08	08/07/2012	12:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:43:35	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:59:26	T	Dilutio
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:21:52	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:04:03	T	Initial
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:59:26	T	Dilutio
R12	MH0B09	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:30:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:45:00	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	17:12:19	T	Dilutio
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:24:02	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-48-4	Cobalt	0.17	23.4
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-50-8	Copper	116	116
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7439-89-6	Iron	81300	81300
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7439-92-1	Lead	14100	14100
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7439-95-4	Magnesium	2780	2780
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7439-96-5	Manganese	5010	5010
R11	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-02	14.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.28	0.28
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-02-0	Nickel	18.7	18.7
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-09-7	Potassium	1480	2340
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7782-49-2	Selenium	7.6	16.4
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-22-4	Silver	41.0	41.0
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-23-5	Sodium	68.9	2340
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-28-0	Thallium	1.7	1.7
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-62-2	Vanadium	2.8	2.8
R11	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	100	mL	7440-66-6	Zinc	6240	6240
R11	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-02	14.4	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7429-90-5	Aluminum	3910	3910
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-36-0	Antimony	8.5	8.5
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-38-2	Arsenic	227	227
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-39-3	Barium	198	198
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.42	2.3
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-43-9	Cadmium	369	369
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-70-2	Calcium	62000	62000
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-47-3	Chromium	2.8	4.6
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-48-4	Cobalt	6.5	22.8
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-50-8	Copper	256	256
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7439-89-6	Iron	104000	104000
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7439-92-1	Lead	30500	30500
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7439-95-4	Magnesium	21300	21300
R12	LB	NA	20	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7439-96-5	Manganese	17100	17100
R12	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-03	12.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.44	0.44
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-02-0	Nickel	5.9	5.9
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-09-7	Potassium	1270	2280
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7782-49-2	Selenium	15.0	16.0
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-22-4	Silver	56.4	56.4
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-23-5	Sodium	57.1	2280
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-28-0	Thallium	2.4	2.4
R12	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-62-2	Vanadium	12.0	12.0
R12	LB	NA	20	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	100	mL	7440-66-6	Zinc	61200	61200
R12	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-03	12.4	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7429-90-5	Aluminum	6270	6270
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-36-0	Antimony	5.1	5.1
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-38-2	Arsenic	91.0	91.0
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-39-3	Barium	694	694
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-41-7	Beryllium	0.43	2.2
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-43-9	Cadmium	69.7	69.7
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-70-2	Calcium	11700	11700
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-47-3	Chromium	5.3	5.3
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-48-4	Cobalt	4.7	21.5
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-50-8	Copper	125	125
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7439-89-6	Iron	53800	53800
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7439-92-1	Lead	5870	5870
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7439-95-4	Magnesium	6650	6650
R13	LB	NA	10	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7439-96-5	Manganese	18500	18500
R13	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-11	7.0	0.5	g	Other	100	mL	7439-97-6	Mercury	0.28	0.28
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-02-0	Nickel	7.1	7.1

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R11	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R11	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R12	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:59:11	T	Initial
R13	MH0B10	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:59:10	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	17:16:36	T	Dilutio
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:30:59	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:03:33	T	Initial
R14	MH0B11	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:00:35	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:33:25	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:07:55	T	Initial
R15	MH0B12	S	Field_Sample	FIELD	MH0B08	08/08/2012	11:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:01:59	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-09-7	Potassium	2220	2220
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7782-49-2	Selenium	11.2	15.1
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-22-4	Silver	62.6	62.6
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-23-5	Sodium	106	2150
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-28-0	Thallium	4.1	4.1
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-62-2	Vanadium	44.0	44.0
R13	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	100	mL	7440-66-6	Zinc	7010	7010
R13	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-11	7.0	1	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7429-90-5	Aluminum	5010	5010
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-36-0	Antimony	6.0	6.0
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-38-2	Arsenic	127	127
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-39-3	Barium	283	283
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.35	2.2
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-43-9	Cadmium	93.4	93.4
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-70-2	Calcium	11800	11800
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-47-3	Chromium	5.3	5.3
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-48-4	Cobalt	4.4	21.9
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-50-8	Copper	110	110
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7439-89-6	Iron	68900	68900
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7439-92-1	Lead	10200	10200
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7439-95-4	Magnesium	5750	5750
R14	LB	NA	10	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7439-96-5	Manganese	17400	17400
R14	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-12	8.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.48	0.48
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-02-0	Nickel	6.2	6.2
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-09-7	Potassium	1880	2190
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7782-49-2	Selenium	11.5	15.4
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-22-4	Silver	35.8	35.8
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-23-5	Sodium	94.2	2190
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-28-0	Thallium	3.4	3.4
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-62-2	Vanadium	34.1	34.1
R14	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	100	mL	7440-66-6	Zinc	8490	8490
R14	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-12	8.8	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7429-90-5	Aluminum	4730	4730
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-36-0	Antimony	5.0	5.0
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-38-2	Arsenic	163	163
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-39-3	Barium	287	287
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-41-7	Beryllium	0.28	2.2
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-43-9	Cadmium	71.4	71.4
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-70-2	Calcium	27100	27100
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-47-3	Chromium	4.1	4.5
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-48-4	Cobalt	3.8	22.5
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-50-8	Copper	449	449
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7439-89-6	Iron	73600	73600
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7439-92-1	Lead	13400	13400
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7439-95-4	Magnesium	9930	9930
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7439-96-5	Manganese	6220	6220
R15	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-13	11.0	0.5	g	Other	100	mL	7439-97-6	Mercury	0.71	0.71
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-02-0	Nickel	5.1	5.1
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-09-7	Potassium	2250	2250
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7782-49-2	Selenium	6.5	15.7
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-22-4	Silver	157	157
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-23-5	Sodium	357	2250
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-28-0	Thallium	2.1	2.1
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-62-2	Vanadium	22.2	22.2
R15	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	100	mL	7440-66-6	Zinc	12700	12700
R15	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-13	11.0	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R13	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R13	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R14	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R15	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:35:36	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:12:05	T	Initial
R16	MH0B13	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:10:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:03:25	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:37:59	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:08:28	T	Initial
R17	MH0B14	S	Field_Sample	FIELD	MH0B08	08/07/2012	14:35:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:46:25	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7429-90-5	Aluminum	5340	5340
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-36-0	Antimony	1.9	1.9
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-38-2	Arsenic	47.1	47.1
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-39-3	Barium	140	140
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.098	2.1
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-43-9	Cadmium	13.8	13.8
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-70-2	Calcium	2000	2000
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-47-3	Chromium	4.3	4.3
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-48-4	Cobalt	1.2	21.5
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-50-8	Copper	227	227
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7439-89-6	Iron	32000	32000
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7439-92-1	Lead	2860	2860
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7439-95-4	Magnesium	1090	1090
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7439-96-5	Manganese	237	237
R16	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-14	6.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.25	0.25
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-02-0	Nickel	1.9	1.9
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-09-7	Potassium	1940	2150
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7782-49-2	Selenium	1.2	15.0
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-22-4	Silver	35.2	35.2
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-23-5	Sodium	159	2150
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-28-0	Thallium	10.7	10.7
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-62-2	Vanadium	4.7	4.7
R16	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	100	mL	7440-66-6	Zinc	2720	2720
R16	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-14	6.8	1	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7429-90-5	Aluminum	7130	7130
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-36-0	Antimony	2.2	2.2
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-38-2	Arsenic	56.7	56.7
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-39-3	Barium	136	136
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-41-7	Beryllium	0.12	2.2
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-43-9	Cadmium	7.8	7.8
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-70-2	Calcium	712	712
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-47-3	Chromium	4.7	4.7
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-48-4	Cobalt	1.5	22.4
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-50-8	Copper	172	172
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7439-89-6	Iron	27800	27800
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7439-92-1	Lead	15100	15100
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7439-95-4	Magnesium	1220	1220
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7439-96-5	Manganese	279	279
R17	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-04	10.6	0.5	g	Other	100	mL	7439-97-6	Mercury	0.35	0.35
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-02-0	Nickel	2.2	2.2
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-09-7	Potassium	1680	2240
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7782-49-2	Selenium	1.5	15.7
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-22-4	Silver	27.3	27.3
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-23-5	Sodium	180	2240
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-28-0	Thallium	0.49	0.49
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-62-2	Vanadium	15.4	15.4
R17	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	100	mL	7440-66-6	Zinc	1680	1680
R17	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-04	10.6	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7429-90-5	Aluminum	5610	5610
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-36-0	Antimony	2.0	2.0
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-38-2	Arsenic	56.4	56.4
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-39-3	Barium	139	139
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-41-7	Beryllium	0.053	2.2
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-43-9	Cadmium	13.8	13.8
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-70-2	Calcium	728	728
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-47-3	Chromium	3.7	4.4

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R16	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	UD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	UD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R16	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R17	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:40:13	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:26:59	T	Initial
R18	MH0B15	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:40:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:04:50	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:42:27	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:31:13	T	Initial
R19	MH0B16	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:30:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:06:15	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:45:12	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-48-4	Cobalt	0.99	0.99
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-50-8	Copper	146	146
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7439-89-6	Iron	28600	28600
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7439-92-1	Lead	6830	6830
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7439-95-4	Magnesium	741	741
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7439-96-5	Manganese	254	254
R18	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-15	9.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.25	0.25
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-02-0	Nickel	1.2	1.2
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-09-7	Potassium	1690	2200
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7782-49-2	Selenium	1.2	15.4
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-22-4	Silver	28.9	28.9
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-23-5	Sodium	226	2200
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-28-0	Thallium	0.55	0.55
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-62-2	Vanadium	12.9	12.9
R18	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	100	mL	7440-66-6	Zinc	2240	2240
R18	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-15	9.2	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7429-90-5	Aluminum	3550	3550
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-36-0	Antimony	6.4	6.4
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-38-2	Arsenic	132	132
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-39-3	Barium	447	447
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.083	2.2
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-43-9	Cadmium	66.3	66.3
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-70-2	Calcium	1380	1380
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-47-3	Chromium	1.3	4.5
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-48-4	Cobalt	0.53	0.53
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-50-8	Copper	275	275
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7439-89-6	Iron	47500	47500
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7439-92-1	Lead	33400	33400
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7439-95-4	Magnesium	540	540
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7439-96-5	Manganese	1620	1620
R19	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-16	10.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.66	0.66
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-02-0	Nickel	1.0	1.0
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-09-7	Potassium	2190	2240
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7782-49-2	Selenium	3.7	15.7
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-22-4	Silver	224	224
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-23-5	Sodium	262	2240
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-28-0	Thallium	1.9	1.9
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-62-2	Vanadium	29.9	29.9
R19	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	100	mL	7440-66-6	Zinc	8780	8780
R19	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-16	10.8	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7429-90-5	Aluminum	7150	7150
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-36-0	Antimony	3.9	3.9
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-38-2	Arsenic	120	120
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-39-3	Barium	168	168
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-41-7	Beryllium	2.2	2.2
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-43-9	Cadmium	9.9	9.9
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-70-2	Calcium	8970	8970
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-47-3	Chromium	4.4	4.4
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-48-4	Cobalt	0.99	0.99
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-50-8	Copper	233	233
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7439-89-6	Iron	65200	65200
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7439-92-1	Lead	4270	4270
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7439-95-4	Magnesium	1310	1310
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7439-96-5	Manganese	242	242
R2	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-17	9.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.23	0.23
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-02-0	Nickel	1.6	1.6

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R18	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R18	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R19	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	UD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:35:25	T	Initial
R2	MH0B17	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:15:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:07:40	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:47:28	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:39:39	T	Initial
R20	MH0B18	S	Field_Sample	FIELD	MH0B08	08/08/2012	10:55:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:09:05	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	17:03:42	T	Dilutio
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:50:11	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:12:42	T	Initial
R21	MH0B19	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:10:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:47:50	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-09-7	Potassium	2760	2760
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7782-49-2	Selenium	2.9	15.5
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-22-4	Silver	72.5	72.5
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-23-5	Sodium	280	2220
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-28-0	Thallium	1.6	1.6
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-62-2	Vanadium	23.3	23.3
R2	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	100	mL	7440-66-6	Zinc	1860	1860
R2	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-17	9.8	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7429-90-5	Aluminum	22200	22200
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-36-0	Antimony	1.4	1.4
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-38-2	Arsenic	23.6	23.6
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-39-3	Barium	832	832
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-41-7	Beryllium	0.54	2.4
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-43-9	Cadmium	3.5	3.5
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-70-2	Calcium	26400	26400
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-47-3	Chromium	7.5	7.5
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-48-4	Cobalt	6.7	6.7
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-50-8	Copper	49.1	49.1
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7439-89-6	Iron	30400	30400
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7439-92-1	Lead	770	770
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7439-95-4	Magnesium	4130	4130
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7439-96-5	Manganese	306	306
R20	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-18	16.9	0.5	g	Other	100	mL	7439-97-6	Mercury	0.071	0.12
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-02-0	Nickel	10.4	10.4
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-09-7	Potassium	1520	2410
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7782-49-2	Selenium	1.5	16.8
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-22-4	Silver	4.1	4.1
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-23-5	Sodium	1060	2410
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-28-0	Thallium	12.0	12.0
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-62-2	Vanadium	31.4	31.4
R20	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	100	mL	7440-66-6	Zinc	537	537
R20	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-18	16.9	1	g	Other	50	mL	57-12-5	Cyanide	0.60	0.60
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7429-90-5	Aluminum	10300	10300
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-36-0	Antimony	6.1	6.1
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-38-2	Arsenic	84.2	84.2
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-39-3	Barium	226	226
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-41-7	Beryllium	0.068	2.5
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-43-9	Cadmium	31.8	31.8
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-70-2	Calcium	514	514
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-47-3	Chromium	7.5	7.5
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-48-4	Cobalt	2.5	24.7
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-50-8	Copper	179	179
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7439-89-6	Iron	30500	30500
R21	LB	NA	10	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7439-92-1	Lead	78000	78000
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7439-95-4	Magnesium	1340	1340
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7439-96-5	Manganese	331	331
R21	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-05	18.9	0.5	g	Other	100	mL	7439-97-6	Mercury	0.34	0.34
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-02-0	Nickel	2.6	2.6
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-09-7	Potassium	2240	2470
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7782-49-2	Selenium	2.5	17.3
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-22-4	Silver	82.0	82.0
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-23-5	Sodium	215	2470
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-28-0	Thallium	12.3	12.3
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-62-2	Vanadium	23.1	23.1
R21	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	100	mL	7440-66-6	Zinc	4410	4410
R21	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-05	18.9	1	g	Other	50	mL	57-12-5	Cyanide	0.62	0.62

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R2	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R2	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	UD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R20	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	UD	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R21	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:52:24	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:43:53	T	Initial
R22	MH0B20	S	Field_Sample	FIELD	MH0B08	08/08/2012	09:16:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:10:30	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:54:37	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	16:48:06	T	Initial
R3	MH0B21	S	Field_Sample	FIELD	MH0B08	08/08/2012	12:00:00	8-080712-185050-0001	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	17:11:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7429-90-5	Aluminum	3650	3650
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-36-0	Antimony	6.6	6.6
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-38-2	Arsenic	248	248
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-39-3	Barium	135	135
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-41-7	Beryllium	0.066	2.4
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-43-9	Cadmium	41.8	41.8
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-70-2	Calcium	43400	43400
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-47-3	Chromium	1.3	4.8
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-48-4	Cobalt	23.9	23.9
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-50-8	Copper	885	885
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7439-89-6	Iron	118000	118000
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7439-92-1	Lead	17200	17200
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7439-95-4	Magnesium	2210	2210
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7439-96-5	Manganese	719	719
R22	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-19	16.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.44	0.44
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-02-0	Nickel	19.1	19.1
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-09-7	Potassium	2590	2590
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7782-49-2	Selenium	4.8	16.7
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-22-4	Silver	131	131
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-23-5	Sodium	110	2390
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-28-0	Thallium	3.3	3.3
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-62-2	Vanadium	8.9	8.9
R22	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	100	mL	7440-66-6	Zinc	7010	7010
R22	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-19	16.2	1	g	Other	50	mL	57-12-5	Cyanide	0.60	0.60
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7429-90-5	Aluminum	10200	10200
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-36-0	Antimony	2.5	2.5
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-38-2	Arsenic	76.6	76.6
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-39-3	Barium	196	196
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.032	2.2
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-43-9	Cadmium	3.3	3.3
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-70-2	Calcium	888	888
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-47-3	Chromium	7.0	7.0
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-48-4	Cobalt	1.8	1.8
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-50-8	Copper	61.8	61.8
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7439-89-6	Iron	47600	47600
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7439-92-1	Lead	1650	1650
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7439-95-4	Magnesium	1550	1550
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7439-96-5	Manganese	335	335
R3	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-20	10.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.054	0.11
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-02-0	Nickel	3.9	3.9
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-09-7	Potassium	2060	2230
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7782-49-2	Selenium	1.7	15.6
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-22-4	Silver	10.3	10.3
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-23-5	Sodium	206	2230
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-28-0	Thallium	0.82	0.82
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-62-2	Vanadium	28.3	28.3
R3	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	100	mL	7440-66-6	Zinc	780	780
R3	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-20	10.4	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7429-90-5	Aluminum	7230	7230
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-36-0	Antimony	3.6	3.6
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-38-2	Arsenic	76.6	76.6
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-39-3	Barium	110	110
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.14	2.3
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-43-9	Cadmium	21.8	21.8
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-70-2	Calcium	5390	5390
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-47-3	Chromium	4.3	4.6

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R22	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	UD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R22	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R3	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D,*	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D,*,N	J+	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D,*	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:56:59	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:16:55	T	Initial
R5	MH0B23	S	Field_Sample	FIELD	MH0B08	08/07/2012	15:50:00	8-080712-185050-0001	08/08/2012	08/09/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:49:15	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	17:25:55	T	Dilutio
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:12:17	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:42:04	T	Initial
R1	MH0B06D	S	Duplicate	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:56:20	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/15/2012	12:14:31	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-48-4	Cobalt	1.9	22.9
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-50-8	Copper	167	167
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7439-89-6	Iron	58500	58500
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7439-92-1	Lead	7300	7300
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7439-95-4	Magnesium	2250	2250
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7439-96-5	Manganese	2290	2290
R5	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	1208110-06	12.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.14	0.14
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-02-0	Nickel	1.1	1.1
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-09-7	Potassium	1870	2290
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7782-49-2	Selenium	4.1	16.0
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-22-4	Silver	24.8	24.8
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-23-5	Sodium	81.4	2290
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-28-0	Thallium	1.1	1.1
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-62-2	Vanadium	12.5	12.5
R5	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	100	mL	7440-66-6	Zinc	6530	6530
R5	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	1208110-06	12.5	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7429-90-5	Aluminum	3270	3270
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-36-0	Antimony	18.3	18.3
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-38-2	Arsenic	213	213
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-39-3	Barium	49.1	49.1
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-41-7	Beryllium	0.043	2.5
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-43-9	Cadmium	29.3	29.3
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-70-2	Calcium	25700	25700
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-47-3	Chromium	1.2	5.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-48-4	Cobalt	0.21	25.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-50-8	Copper	890	890
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7439-89-6	Iron	105000	105000
R1	LB	NA	15	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7439-92-1	Lead	90700	90700
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7439-95-4	Magnesium	1590	1590
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7439-96-5	Manganese	513	513
R1	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	MH0B06-DUP	20.1	0.5	g		100	mL	7439-97-6	Mercury	0.51	0.51
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-02-0	Nickel	20.0	20.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-09-7	Potassium	2350	2500
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7782-49-2	Selenium	4.0	17.5
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-22-4	Silver	215	215
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-23-5	Sodium	96.7	2500
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-28-0	Thallium	2.6	2.6
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-62-2	Vanadium	8.5	8.5
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		100	mL	7440-66-6	Zinc	5090	5090
R1	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	MH0B06-DUP	20.1	1	g		50	mL	57-12-5	Cyanide	0.63	0.63
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7429-90-5	Aluminum	4980	4980
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-36-0	Antimony	10.4	10.4
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-38-2	Arsenic	235	235
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-39-3	Barium	513	513
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-41-7	Beryllium	12.1	12.1
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-43-9	Cadmium	132	132
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-70-2	Calcium	37600	37600
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-47-3	Chromium	49.0	49.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-48-4	Cobalt	121	121
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-50-8	Copper	821	821
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7439-89-6	Iron	112000	112000
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7439-92-1	Lead	10600	10600
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7439-95-4	Magnesium	3870	3870
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7439-96-5	Manganese	687	687
R1	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	MH0B06-MS	20.1	0.5	g		100	mL	7439-97-6	Mercury	1.0	1.0
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-02-0	Nickel	126	126

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R5	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D,*	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D,*	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R5	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	UD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D,*		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	JD,N	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D,N		N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y			N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/21/2012	15:37:55	T	Initial
R1	MH0B06S	S	Matrix_Spike	FIELD	MH0B08	08/08/2012	09:15:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/20/2012	16:57:45	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	C200.7	08/21/2012	14:46:56	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	CV	08/15/2012	12:00:22	T	Initial
	PBS01	S	Method_Blank	LAB	MH0B08								N	AS	08/20/2012	16:40:45	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-09-7	Potassium	2510	2510
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7782-49-2	Selenium	16.1	17.5
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-22-4	Silver	132	132
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-23-5	Sodium	95.8	2500
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-28-0	Thallium	14.3	14.3
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-62-2	Vanadium	128	128
R1	LB	NA	4	3050B	08/15/2012	09:15:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		100	mL	7440-66-6	Zinc	15900	15900
R1	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	MH0B06-MS	20.1	1	g		50	mL	57-12-5	Cyanide	7.8	7.8
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7429-90-5	Aluminum	4.7	4.7
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-36-0	Antimony	6.0	6.0
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-38-2	Arsenic	1.0	1.0
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-39-3	Barium	-0.19	-0.19
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-41-7	Beryllium	0.50	0.50
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-43-9	Cadmium	-0.015	-0.015
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-70-2	Calcium	500	500
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-47-3	Chromium	1.0	1.0
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-48-4	Cobalt	-0.030	-0.030
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-50-8	Copper	2.5	2.5
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7439-89-6	Iron	10.0	10.0
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7439-92-1	Lead	0.20	0.20
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7439-95-4	Magnesium	500	500
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7439-96-5	Manganese	-0.033	-0.033
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-02-0	Nickel	-0.036	-0.036
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-09-7	Potassium	500	500
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7782-49-2	Selenium	0.16	0.16
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-22-4	Silver	1.0	1.0
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-23-5	Sodium	1.1	500
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-28-0	Thallium	-0.17	-0.17
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-62-2	Vanadium	-0.22	-0.22
	LB	NA	1	3050B	08/15/2012	09:15:00	BONNER	QUANT	2081309-BLK	0.0	1	g		100	mL	7440-66-6	Zinc	6.0	6.0
	LB	NA	1	7471B	08/15/2012	08:00:00	BONNER	QUANT	2081506-BLK	0.0	0.5	g		100	mL	7439-97-6	Mercury	0.10	0.10
	LB	NA	1	Midi-distill	08/20/2012	11:04:00	BONNER	QUANT	2082003-BLK	0.0	1	g		50	mL	57-12-5	Cyanide	-0.32	-0.32

SYS SAMPLE CODE	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R1	TRG	Y	Y	D		N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	JD	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R1	SC	Y	Y			N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	TRG	Y	Y	J	J	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.8

BONNER ANALYTICAL TESTING COMPANY: SDG MHOB22

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
R4	MH0B22	S	Field_Sample	FIELD	MH0B22	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	17:48:42	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B22	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	18:06:04	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B22	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	18:10:27	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B22	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	18:14:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B22	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	18:19:17	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B22	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	17:57:25	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B22	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/24/2012	17:53:04	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B22								N	C200.7	08/24/2012	17:39:59	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
R4	NA	4	3050B	08/13/2012	14:25:00	BONNER	QUANT	1208131-01	11.5	1	g	Other	100	mL	7440-57-5	Gold	45.2	45.2		TRG
R6	NA	4	3050B	08/13/2012	14:25:00	BONNER	QUANT	1208131-02	14.8	1	g	Other	100	mL	7440-57-5	Gold	46.9	46.9		TRG
R7	NA	4	3050B	08/13/2012	14:25:00	BONNER	QUANT	1208131-03	8.4	1	g	Other	100	mL	7440-57-5	Gold	43.7	43.7		TRG
R8	NA	4	3050B	08/13/2012	14:25:00	BONNER	QUANT	1208131-04	8.5	1	g	Other	100	mL	7440-57-5	Gold	43.7	43.7		TRG
R9	NA	4	3050B	08/13/2012	14:25:00	BONNER	QUANT	1208131-05	11.7	1	g	Other	100	mL	7440-57-5	Gold	45.3	45.3		TRG
R4	NA	4	3050B	08/13/2012	14:25:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-57-5	Gold	45.2	45.2		TRG
R4	NA	4	3050B	08/13/2012	14:25:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-57-5	Gold	106	106		SC
	NA	1	3050B	08/13/2012	14:25:00	BONNER	QUANT	2081307-BLK	0.0	1	g		100	mL	7440-57-5	Gold	10.0	10.0		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R4	Y	Y	UD,*	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	UD,*	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	UD,*	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	UD,*	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	UD,*	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD,*	R	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.9

BONNER ANALYTICAL TESTING COMPANY: SDG MHOB24

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/16/2012	10:38:44	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:26:16	T	Initial	LB
R4	MH0B22	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:45:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/15/2012	14:32:18	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/16/2012	10:45:57	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:43:10	T	Initial	LB
R6	MH0B24	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:00:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/15/2012	14:36:33	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7429-90-5	Aluminum	2460	2460		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-36-0	Antimony	6.3	6.3		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-38-2	Arsenic	123	123		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-39-3	Barium	28.9	90.4		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.15	2.3		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-43-9	Cadmium	9.3	9.3		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-70-2	Calcium	19200	19200		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-47-3	Chromium	4.5	4.5		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-48-4	Cobalt	0.77	22.6		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-50-8	Copper	111	111		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7439-89-6	Iron	139000	139000		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7439-92-1	Lead	3580	3580		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7439-95-4	Magnesium	1510	2260		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7439-96-5	Manganese	2410	2410		TRG
R4	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	1208132-01	11.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.21	0.21		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-02-0	Nickel	18.1	18.1		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-09-7	Potassium	2610	2610		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7782-49-2	Selenium	15.8	15.8		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-22-4	Silver	33.6	33.6		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-23-5	Sodium	104	2260		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-28-0	Thallium	4.1	4.1		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-62-2	Vanadium	7.8	7.8		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	100	mL	7440-66-6	Zinc	2130	2130		TRG
R4	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	1208132-01	11.5	1	g	Other	50	mL	57-12-5	Cyanide	0.16	0.56		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7429-90-5	Aluminum	1200	1200		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-36-0	Antimony	8.8	8.8		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-38-2	Arsenic	108	108		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-39-3	Barium	73.1	93.9		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-41-7	Beryllium	0.11	2.3		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-43-9	Cadmium	63.1	63.1		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-70-2	Calcium	6440	6440		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-47-3	Chromium	4.7	4.7		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-48-4	Cobalt	0.16	23.5		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-50-8	Copper	213	213		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7439-89-6	Iron	89100	89100		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7439-92-1	Lead	13100	13100		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7439-95-4	Magnesium	560	2350		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7439-96-5	Manganese	1950	1950		TRG
R6	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	1208132-02	14.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.69	0.69		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-02-0	Nickel	18.8	18.8		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-09-7	Potassium	1030	2350		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7782-49-2	Selenium	16.4	16.4		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-22-4	Silver	30.9	30.9		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-23-5	Sodium	31.4	2350		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-28-0	Thallium	2.6	2.6		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-62-2	Vanadium	4.4	4.4		TRG
R6	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	100	mL	7440-66-6	Zinc	11300	11300		TRG
R6	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	1208132-02	14.8	1	g	Other	50	mL	57-12-5	Cyanide	0.29	0.59		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7429-90-5	Aluminum	3210	3210		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-36-0	Antimony	7.0	7.0		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-38-2	Arsenic	106	106		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R4	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,*,E	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD,N	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	J	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D,*,E	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	UD,N	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R6	Y	Y	J	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	15:04:41	T	Dilutio	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/16/2012	10:48:08	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:47:25	T	Initial	LB
R7	MH0B25	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:40:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/15/2012	14:37:58	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/16/2012	10:50:19	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:51:39	T	Initial	LB
R8	MH0B26	S	Field_Sample	FIELD	MH0B24	08/08/2012	10:55:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/15/2012	14:39:23	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-39-3	Barium	323	323		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.34	2.2		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-43-9	Cadmium	49.5	49.5		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-70-2	Calcium	18900	18900		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-47-3	Chromium	4.4	4.4		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-48-4	Cobalt	3.6	21.8		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-50-8	Copper	99.2	99.2		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7439-89-6	Iron	61600	61600		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7439-92-1	Lead	9630	9630		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7439-95-4	Magnesium	9130	9130		TRG
R7	NA	6	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7439-96-5	Manganese	13200	13200		TRG
R7	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	1208132-03	8.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.53	0.53		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-02-0	Nickel	7.7	7.7		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-09-7	Potassium	1210	2180		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7782-49-2	Selenium	1.6	15.3		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-22-4	Silver	44.8	44.8		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-23-5	Sodium	87.6	2180		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-28-0	Thallium	7.0	7.0		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-62-2	Vanadium	19.8	19.8		TRG
R7	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	100	mL	7440-66-6	Zinc	7090	7090		TRG
R7	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	1208132-03	8.4	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7429-90-5	Aluminum	2860	2860		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-36-0	Antimony	6.4	6.4		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-38-2	Arsenic	111	111		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-39-3	Barium	215	215		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.33	2.2		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-43-9	Cadmium	73.2	73.2		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-70-2	Calcium	17000	17000		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-47-3	Chromium	4.4	4.4		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-48-4	Cobalt	4.2	21.9		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-50-8	Copper	103	103		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7439-89-6	Iron	49100	49100		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7439-92-1	Lead	7490	7490		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7439-95-4	Magnesium	8750	8750		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7439-96-5	Manganese	8850	8850		TRG
R8	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	1208132-04	8.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.55	0.55		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-02-0	Nickel	7.9	7.9		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-09-7	Potassium	1200	2190		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7782-49-2	Selenium	0.91	15.3		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-22-4	Silver	26.2	26.2		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-23-5	Sodium	71.2	2190		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-28-0	Thallium	4.9	4.9		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-62-2	Vanadium	19.3	19.3		TRG
R8	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	100	mL	7440-66-6	Zinc	11300	11300		TRG
R8	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	1208132-04	8.5	1	g	Other	50	mL	57-12-5	Cyanide	0.23	0.55		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7429-90-5	Aluminum	2710	2710		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-36-0	Antimony	4.9	4.9		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-38-2	Arsenic	149	149		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-39-3	Barium	146	146		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-41-7	Beryllium	0.26	2.3		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-43-9	Cadmium	60.4	60.4		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R7	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D,*,E	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD,N	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R7	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D,*,E	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD,N	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R8	Y	Y	J	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/16/2012	10:52:41	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:55:52	T	Initial	LB
R9	MH0B27	S	Field_Sample	FIELD	MH0B24	08/08/2012	11:10:00	8-080812-175821-0002	08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/15/2012	14:40:48	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/16/2012	10:40:55	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:34:38	T	Initial	LB
R4	MH0B22D	S	Duplicate	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/15/2012	14:33:43	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-70-2	Calcium	32500	32500		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-47-3	Chromium	4.5	4.5		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-48-4	Cobalt	2.8	22.7		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-50-8	Copper	95.3	95.3		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7439-89-6	Iron	58300	58300		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7439-92-1	Lead	9460	9460		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7439-95-4	Magnesium	15500	15500		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7439-96-5	Manganese	5440	5440		TRG
R9	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	1208132-05	11.7	0.5	g	Other	100	mL	7439-97-6	Mercury	0.79	0.79		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-02-0	Nickel	3.5	3.5		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-09-7	Potassium	1180	2270		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7782-49-2	Selenium	15.9	15.9		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-22-4	Silver	26.4	26.4		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-23-5	Sodium	93.3	2270		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-28-0	Thallium	3.8	3.8		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-62-2	Vanadium	23.9	23.9		TRG
R9	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	100	mL	7440-66-6	Zinc	9220	9220		TRG
R9	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	1208132-05	11.7	1	g	Other	50	mL	57-12-5	Cyanide	0.13	0.57		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7429-90-5	Aluminum	2280	2280		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-36-0	Antimony	5.0	5.0		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-38-2	Arsenic	111	111		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-39-3	Barium	29.8	90.4		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-41-7	Beryllium	0.095	2.3		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-43-9	Cadmium	8.0	8.0		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-70-2	Calcium	11900	11900		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-47-3	Chromium	4.5	4.5		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-48-4	Cobalt	0.40	22.6		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-50-8	Copper	101	101		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7439-89-6	Iron	119000	119000		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7439-92-1	Lead	2150	2150		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7439-95-4	Magnesium	1280	2260		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7439-96-5	Manganese	2360	2360		TRG
R4	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	MH0B22-DUP	11.5	0.5	g		100	mL	7439-97-6	Mercury	0.19	0.19		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-02-0	Nickel	18.1	18.1		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-09-7	Potassium	2550	2550		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7782-49-2	Selenium	15.8	15.8		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-22-4	Silver	28.9	28.9		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-23-5	Sodium	102	2260		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-28-0	Thallium	3.8	3.8		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-62-2	Vanadium	6.9	6.9		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		100	mL	7440-66-6	Zinc	1890	1890		TRG
R4	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	MH0B22-DUP	11.5	1	g		50	mL	57-12-5	Cyanide	0.21	0.56		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7429-90-5	Aluminum	2580	2580		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-36-0	Antimony	9.1	9.1		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-38-2	Arsenic	115	115		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-39-3	Barium	393	393		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-41-7	Beryllium	10.0	10.0		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-43-9	Cadmium	29.6	29.6		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-70-2	Calcium	11600	11600		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-47-3	Chromium	36.1	36.1		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-48-4	Cobalt	98.9	98.9		SC

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R9	Y	Y	D,*,E	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	JD	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	UD,N	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	JD	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R9	Y	Y	J	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,*	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	J	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	CV	08/16/2012	10:43:44	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	C200.7	08/17/2012	14:30:29	T	Initial	LB
R4	MH0B22S	S	Matrix_Spike	FIELD	MH0B24	08/08/2012	11:45:00		08/09/2012	08/10/2012	Todd Wickert	HDR	N	AS	08/15/2012	14:35:08	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	C200.7	08/17/2012	14:21:56	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	AS	08/15/2012	14:05:23	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B24								N	CV	08/16/2012	10:36:19	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-50-8	Copper	164	164		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7439-89-6	Iron	126000	126000		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7439-92-1	Lead	4420	4420		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7439-95-4	Magnesium	1710	2260		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7439-96-5	Manganese	2410	2410		SC
R4	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	MH0B22-MS	11.5	0.5	g		100	mL	7439-97-6	Mercury	0.66	0.66		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-02-0	Nickel	99.5	99.5		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-09-7	Potassium	2550	2550		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7782-49-2	Selenium	15.8	15.8		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-22-4	Silver	38.5	38.5		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-23-5	Sodium	104	2260		TRG
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-28-0	Thallium	13.5	13.5		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-62-2	Vanadium	102	102		SC
R4	NA	4	3050B	08/14/2012	10:41:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		100	mL	7440-66-6	Zinc	3690	3690		SC
R4	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	MH0B22-MS	11.5	1	g		50	mL	57-12-5	Cyanide	6.1	6.1		SC
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7429-90-5	Aluminum	20.0	20.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-36-0	Antimony	6.0	6.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-38-2	Arsenic	1.0	1.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-39-3	Barium	20.0	20.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-41-7	Beryllium	-0.0065	-0.0065		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-43-9	Cadmium	0.50	0.50		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-70-2	Calcium	500	500		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-47-3	Chromium	1.0	1.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-48-4	Cobalt	5.0	5.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-50-8	Copper	2.5	2.5		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7439-89-6	Iron	1.0	10.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7439-92-1	Lead	0.11	0.11		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7439-95-4	Magnesium	500	500		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7439-96-5	Manganese	1.5	1.5		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-02-0	Nickel	4.0	4.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-09-7	Potassium	500	500		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7782-49-2	Selenium	3.5	3.5		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-22-4	Silver	1.0	1.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-23-5	Sodium	500	500		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-28-0	Thallium	2.5	2.5		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-62-2	Vanadium	5.0	5.0		TRG
	NA	1	3050B	08/14/2012	10:41:00	BONNER	QUANT	2081311-BLK	0.0	1	g		100	mL	7440-66-6	Zinc	0.036	6.0		TRG
	NA	1	Midi-distillati	08/15/2012	11:30:00	BONNER	QUANT	2081502-BLK	0.0	1	g		50	mL	57-12-5	Cyanide	0.50	0.50		TRG
	NA	1	7471B	08/16/2012	08:00:00	BONNER	QUANT	2081605-BLK	0.0	0.5	g		100	mL	7439-97-6	Mercury	0.10	0.10		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
R4	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	UD,N	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D,N	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
R4	Y	Y			N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0B32	08/20/2012	14:30:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:59:07	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0B32	08/20/2012	15:05:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:00:32	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0B32	08/20/2012	16:05:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:01:57	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0B32	08/21/2012	13:50:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:03:22	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0B32	08/21/2012	14:10:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:07:36	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0B32	08/21/2012	15:00:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:09:01	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0B32	08/22/2012	10:15:00	8-081512-160236-0006	08/23/2012	08/24/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:14:42	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0B32	08/22/2012	10:40:00	8-081512-160236-0006	08/23/2012	08/24/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:16:06	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0B32	08/22/2012	11:30:00	8-081512-160236-0006	08/23/2012	08/24/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:17:31	T	Initial	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0B32	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:54:52	T	Initial	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0B32	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:56:16	T	Initial	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0B32	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:57:41	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0B32	08/20/2012	17:00:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:10:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0B32	08/21/2012	15:45:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:11:52	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0B32	08/21/2012	13:50:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:13:17	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0B32	08/21/2012	13:50:00		08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:04:46	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0B32	08/21/2012	13:50:00		08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:06:11	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B32								N	AS	08/28/2012	14:53:27	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB2-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-04	16.9	1	g	Other	50	mL	57-12-5	Cyanide	0.60	0.60		TRG
NB2-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-05	9.9	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
NB2-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-06	10.1	1	g	Other	50	mL	57-12-5	Cyanide	0.15	0.15		TRG
OB1-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-07	18.6	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB1-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-08	10.3	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
OB1-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-09	12.2	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
OB2-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-13	17.4	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB2-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-14	17.4	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB2-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-15	13.6	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58		TRG
RB2-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-01	14.6	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59		TRG
RB2-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-02	9.6	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
RB2-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-03	9.7	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
NB2-40	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-10	9.6	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
OB1-40	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-11	10.7	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
OB1-11	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-12	15.9	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59		TRG
OB1-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	MH0AZ2-DUP	18.6	1	g		50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB1-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	MH0AZ2-MS	18.6	1	g		50	mL	57-12-5	Cyanide	2.7	2.7		SC
	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	2082803-BLK	0.0	1	g		50	mL	57-12-5	Cyanide	0.50	0.50		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB2-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB2-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB2-30	Y	Y	JN	J	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-30	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB2-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB2-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB2-30	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB2-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB2-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB2-30	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB2-40	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-40	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-11	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-10	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N		N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.10

BONNER ANALYTICAL TESTING COMPANY: SDG MHOB32

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0B32	08/20/2012	14:30:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:59:07	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0B32	08/20/2012	15:05:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:00:32	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0B32	08/20/2012	16:05:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:01:57	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0B32	08/21/2012	13:50:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:03:22	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0B32	08/21/2012	14:10:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:07:36	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0B32	08/21/2012	15:00:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:09:01	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0B32	08/22/2012	10:15:00	8-081512-160236-0006	08/23/2012	08/24/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:14:42	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0B32	08/22/2012	10:40:00	8-081512-160236-0006	08/23/2012	08/24/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:16:06	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0B32	08/22/2012	11:30:00	8-081512-160236-0006	08/23/2012	08/24/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:17:31	T	Initial	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0B32	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:54:52	T	Initial	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0B32	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:56:16	T	Initial	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0B32	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/28/2012	14:57:41	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0B32	08/20/2012	17:00:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:10:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0B32	08/21/2012	15:45:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:11:52	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0B32	08/21/2012	13:50:00	8-081512-160236-0006	08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:13:17	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0B32	08/21/2012	13:50:00		08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:04:46	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0B32	08/21/2012	13:50:00		08/22/2012	08/23/2012	Todd Wickert	HDR	N	AS	08/28/2012	15:06:11	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0B32								N	AS	08/28/2012	14:53:27	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB2-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-04	16.9	1	g	Other	50	mL	57-12-5	Cyanide	0.60	0.60		TRG
NB2-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-05	9.9	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
NB2-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-06	10.1	1	g	Other	50	mL	57-12-5	Cyanide	0.15	0.15		TRG
OB1-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-07	18.6	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB1-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-08	10.3	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
OB1-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-09	12.2	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
OB2-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-13	17.4	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB2-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-14	17.4	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB2-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-15	13.6	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58		TRG
RB2-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-01	14.6	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59		TRG
RB2-20	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-02	9.6	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
RB2-30	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-03	9.7	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
NB2-40	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-10	9.6	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
OB1-40	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-11	10.7	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
OB1-11	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	1208228-12	15.9	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59		TRG
OB1-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	MH0AZ2-DUP	18.6	1	g		50	mL	57-12-5	Cyanide	0.61	0.61		TRG
OB1-10	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	MH0AZ2-MS	18.6	1	g		50	mL	57-12-5	Cyanide	2.7	2.7		SC
	NA	1	Midi-distillati	08/28/2012	12:38:00	BONNER	QUANT	2082803-BLK	0.0	1	g		50	mL	57-12-5	Cyanide	0.50	0.50		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB2-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB2-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB2-30	Y	Y	JN	J	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-30	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB2-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB2-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB2-30	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB2-10	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB2-20	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB2-30	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NB2-40	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-40	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-11	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-10	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N		N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.11

BONNER ANALYTICAL TESTING COMPANY: SDG MHOAW8

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW8	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	18:03:51	T	Initial
GB1-20	MH0AW8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:46:51	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	08:54:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:11:03	T	Initial
GB1-30	MH0AW9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	10:55:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:11:26	T	Initial
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:12:52	T	Initial
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:14:17	T	Initial
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:15:42	T	Initial
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW8	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:17:06	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	09:06:09	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:32:59	T	Initial
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:18:32	T	Initial
NM11	MH0AY3	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:19:57	T	Initial
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW8	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:21:22	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
GB1-10	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-01	18.0	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61
GB1-20	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-02	18.4	1	g	Other	50	mL	57-12-5	Cyanide	0.61	0.61
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7429-90-5	Aluminum	28200	28200
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-36-0	Antimony	28.5	28.5
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-38-2	Arsenic	3.5	3.5
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-39-3	Barium	199	199
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-41-7	Beryllium	1.2	2.4
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-43-9	Cadmium	13.0	13.0
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-70-2	Calcium	502	502
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-47-3	Chromium	16.6	16.6
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-48-4	Cobalt	7.4	7.4
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-50-8	Copper	35.1	35.1
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7439-89-6	Iron	17000	17000
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7439-92-1	Lead	34.5	34.5
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7439-95-4	Magnesium	4660	4660
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7439-96-5	Manganese	2420	2420
GB1-30	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-03	15.8	0.5	g	Other	100	mL	7439-97-6	Mercury	0.019	0.12
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-02-0	Nickel	10.8	19.0
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-09-7	Potassium	3410	3410
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7782-49-2	Selenium	2.0	2.0
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-22-4	Silver	4.8	4.8
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-23-5	Sodium	87.6	2380
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-28-0	Thallium	1.2	1.2
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-62-2	Vanadium	32.1	32.1
GB1-30	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	100	mL	7440-66-6	Zinc	2260	2260
GB1-30	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-03	15.8	1	g	Other	50	mL	57-12-5	Cyanide	0.59	0.59
GB2-10	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-04	10.5	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56
GB2-20	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-05	8.9	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55
GB2-30	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-06	8.6	1	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55
GB2-40	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-07	16.3	1	g	Other	50	mL	57-12-5	Cyanide	0.60	0.60
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7429-90-5	Aluminum	3440	3440
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-36-0	Antimony	6.1	6.1
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-38-2	Arsenic	92.8	92.8
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-39-3	Barium	68.1	68.1
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.15	2.2
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-43-9	Cadmium	8.2	8.2
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-70-2	Calcium	88.2	88.2
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-47-3	Chromium	4.3	4.3
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-48-4	Cobalt	2.9	2.9
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-50-8	Copper	53.1	53.1
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7439-89-6	Iron	159000	159000
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7439-92-1	Lead	1700	1700
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7439-95-4	Magnesium	297	297
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7439-96-5	Manganese	191	191
NM1	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-08	7.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.13	0.13
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-02-0	Nickel	17.3	17.3
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-09-7	Potassium	2370	2370
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7782-49-2	Selenium	15.1	15.1
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-22-4	Silver	59.3	59.3
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-23-5	Sodium	36.6	2160
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-28-0	Thallium	10.8	10.8
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-62-2	Vanadium	5.0	21.6
NM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	100	mL	7440-66-6	Zinc	985	985
NM1	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-08	7.4	1	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54
NM11	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-09	9.2	1	g	Other	50	mL	57-12-5	Cyanide	0.20	0.20
NM2	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-10	13.8	1	g	Other	50	mL	57-12-5	Cyanide	0.13	0.13

SYS SAMPLE CODE	RESULT ERROR DELTA	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
GB1-10		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-20		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	UD,N	R	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	JD,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-30		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-10		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-20		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-30		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB2-40		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	UD	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM1		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM11		TRG	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM2		TRG	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:15:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:55:06	T	Initial
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:22:46	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:17:20	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	11:59:30	T	Initial
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:24:11	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7429-90-5	Aluminum	4860	4860
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-36-0	Antimony	5.7	5.7
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-38-2	Arsenic	235	235
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-39-3	Barium	74.7	74.7
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-41-7	Beryllium	0.13	2.3
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-43-9	Cadmium	30.7	30.7
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-70-2	Calcium	4090	4090
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-47-3	Chromium	2.1	4.5
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-48-4	Cobalt	0.56	0.56
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-50-8	Copper	172	172
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7439-89-6	Iron	110000	110000
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7439-92-1	Lead	14000	14000
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7439-95-4	Magnesium	831	831
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7439-96-5	Manganese	319	319
NM3	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-11	11.3	0.5	g	Other	100	mL	7439-97-6	Mercury	0.59	0.59
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-02-0	Nickel	18.0	18.0
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-09-7	Potassium	4060	4060
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7782-49-2	Selenium	0.92	0.92
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-22-4	Silver	43.2	43.2
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-23-5	Sodium	108	2250
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-28-0	Thallium	11.3	11.3
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-62-2	Vanadium	14.5	22.5
NM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	100	mL	7440-66-6	Zinc	5040	5040
NM3	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-11	11.3	1	g	Other	50	mL	57-12-5	Cyanide	0.15	0.15
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7429-90-5	Aluminum	10500	10500
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-36-0	Antimony	1.8	1.8
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-38-2	Arsenic	64.6	64.6
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-39-3	Barium	127	127
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-41-7	Beryllium	0.39	2.3
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-43-9	Cadmium	7.2	7.2
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-70-2	Calcium	1670	1670
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-47-3	Chromium	5.5	5.5
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-48-4	Cobalt	2.1	2.1
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-50-8	Copper	117	117
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7439-89-6	Iron	37800	37800
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7439-92-1	Lead	2410	2410
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7439-95-4	Magnesium	1330	1330
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7439-96-5	Manganese	888	888
NM7	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-12	12.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.069	0.11
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-02-0	Nickel	0.74	18.3
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-09-7	Potassium	2450	2450
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7782-49-2	Selenium	1.2	1.2
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-22-4	Silver	26.0	26.0
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-23-5	Sodium	148	2280
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-28-0	Thallium	11.4	11.4
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-62-2	Vanadium	35.6	35.6
NM7	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	100	mL	7440-66-6	Zinc	1590	1590
NM7	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-12	12.4	1	g	Other	50	mL	57-12-5	Cyanide	0.25	0.25
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7429-90-5	Aluminum	1510	1510
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-36-0	Antimony	9.9	9.9
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-38-2	Arsenic	488	488
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-39-3	Barium	19.6	19.6
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-41-7	Beryllium	2.1	2.1
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-43-9	Cadmium	12.0	12.0
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-70-2	Calcium	1550	1550
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-47-3	Chromium	4.2	4.2

SYS SAMPLE CODE	RESULT ERROR DELTA	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM3		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM3		TRG	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
NM7		TRG	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JD,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	UD	R	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JD,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	13:14:50	T	Dilution-01
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:19:30	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:03:54	T	Initial
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:25:36	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:21:50	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:08:15	T	Initial
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AW8	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:27:01	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	13:19:17	T	Dilution-01
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:24:11	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-48-4	Cobalt	4.1	4.1
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-50-8	Copper	48.4	48.4
OM1	LB	NA	10	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7439-89-6	Iron	261000	261000
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7439-92-1	Lead	4240	4240
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7439-95-4	Magnesium	125	125
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7439-96-5	Manganese	65.3	65.3
OM1	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-13	4.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.25	0.25
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-02-0	Nickel	16.8	16.8
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-09-7	Potassium	747	747
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7782-49-2	Selenium	14.7	14.7
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-22-4	Silver	121	121
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-23-5	Sodium	14.5	2090
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-28-0	Thallium	10.5	10.5
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-62-2	Vanadium	4.1	20.9
OM1	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	100	mL	7440-66-6	Zinc	836	836
OM1	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-13	4.5	1	g	Other	50	mL	57-12-5	Cyanide	0.12	0.12
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7429-90-5	Aluminum	10300	10300
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-36-0	Antimony	7.8	7.8
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-38-2	Arsenic	243	243
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-39-3	Barium	337	337
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-41-7	Beryllium	0.22	2.3
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-43-9	Cadmium	7.7	7.7
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-70-2	Calcium	1690	1690
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-47-3	Chromium	6.6	6.6
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-48-4	Cobalt	0.18	0.18
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-50-8	Copper	390	390
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7439-89-6	Iron	86200	86200
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7439-92-1	Lead	14100	14100
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7439-95-4	Magnesium	540	540
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7439-96-5	Manganese	198	198
OM2	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-14	14.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.61	0.61
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-02-0	Nickel	18.6	18.6
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-09-7	Potassium	6150	6150
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7782-49-2	Selenium	3.3	3.3
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-22-4	Silver	165	165
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-23-5	Sodium	174	2330
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-28-0	Thallium	11.7	11.7
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-62-2	Vanadium	47.4	47.4
OM2	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	100	mL	7440-66-6	Zinc	1570	1570
OM2	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-14	14.2	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7429-90-5	Aluminum	1800	1800
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-36-0	Antimony	9.3	9.3
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-38-2	Arsenic	641	641
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-39-3	Barium	33.8	33.8
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-41-7	Beryllium	2.1	2.1
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-43-9	Cadmium	12.6	12.6
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-70-2	Calcium	543	543
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-47-3	Chromium	4.2	4.2
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-48-4	Cobalt	2.6	2.6
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-50-8	Copper	74.1	74.1
OM3	LB	NA	8	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7439-89-6	Iron	227000	227000
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7439-92-1	Lead	6370	6370
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7439-95-4	Magnesium	150	150
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7439-96-5	Manganese	59.3	59.3
OM3	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-15	4.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.29	0.29
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-02-0	Nickel	16.7	16.7

SYS SAMPLE CODE	RESULT ERROR DELTA	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OM1		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	UD	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM1		TRG	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	JD,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM2		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	JD,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	UD	R	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	JD,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:12:36	T	Initial
OM3	MH0B00	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:28:26	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:26:27	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:16:57	T	Initial
OM4	MH0B01	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:29:52	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:28:58	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:21:19	T	Initial
OM5	MH0B02	S	Field_Sample	FIELD	MH0AW8	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:31:17	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-09-7	Potassium	2250	2250
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7782-49-2	Selenium	14.6	14.6
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-22-4	Silver	204	204
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-23-5	Sodium	24.7	2090
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-28-0	Thallium	10.5	10.5
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-62-2	Vanadium	6.9	20.9
OM3	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	100	mL	7440-66-6	Zinc	971	971
OM3	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-15	4.4	1	g	Other	50	mL	57-12-5	Cyanide	0.52	0.52
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7429-90-5	Aluminum	6670	6670
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-36-0	Antimony	5.7	5.7
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-38-2	Arsenic	213	213
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-39-3	Barium	158	158
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.15	2.3
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-43-9	Cadmium	8.8	8.8
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-70-2	Calcium	3280	3280
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-47-3	Chromium	3.1	4.5
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-48-4	Cobalt	1.4	1.4
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-50-8	Copper	142	142
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7439-89-6	Iron	124000	124000
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7439-92-1	Lead	8130	8130
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7439-95-4	Magnesium	862	862
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7439-96-5	Manganese	220	220
OM4	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-16	11.5	0.5	g	Other	100	mL	7439-97-6	Mercury	0.44	0.44
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-02-0	Nickel	18.1	18.1
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-09-7	Potassium	4580	4580
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7782-49-2	Selenium	2.1	2.1
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-22-4	Silver	114	114
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-23-5	Sodium	123	2260
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-28-0	Thallium	11.3	11.3
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-62-2	Vanadium	30.3	30.3
OM4	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	100	mL	7440-66-6	Zinc	1480	1480
OM4	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-16	11.5	1	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7429-90-5	Aluminum	6940	6940
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-36-0	Antimony	10.2	10.2
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-38-2	Arsenic	259	259
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-39-3	Barium	262	262
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-41-7	Beryllium	0.42	2.3
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-43-9	Cadmium	12.5	12.5
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-70-2	Calcium	4260	4260
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-47-3	Chromium	7.1	7.1
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-48-4	Cobalt	2.1	2.1
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-50-8	Copper	328	328
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7439-89-6	Iron	152000	152000
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7439-92-1	Lead	17900	17900
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7439-95-4	Magnesium	3050	3050
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7439-96-5	Manganese	3860	3860
OM5	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-17	12.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.48	0.48
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-02-0	Nickel	18.2	18.2
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-09-7	Potassium	3630	3630
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7782-49-2	Selenium	6.9	6.9
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-22-4	Silver	173	173
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-23-5	Sodium	171	2280
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-28-0	Thallium	11.4	11.4
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-62-2	Vanadium	129	129
OM5	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	100	mL	7440-66-6	Zinc	4540	4540
OM5	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-17	12.2	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57

SYS SAMPLE CODE	RESULT ERROR DELTA	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OM3		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	UD	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM3		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM4		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM5		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:31:13	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:25:49	T	Initial
OM6	MH0B03	S	Field_Sample	FIELD	MH0AW8	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:32:42	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:57:47	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:30:14	T	Initial
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:35:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:34:06	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7429-90-5	Aluminum	4300	4300
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-36-0	Antimony	3.1	3.1
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-38-2	Arsenic	46.0	46.0
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-39-3	Barium	153	153
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-41-7	Beryllium	0.15	2.3
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-43-9	Cadmium	1.9	2.3
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-70-2	Calcium	483	483
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-47-3	Chromium	0.76	4.6
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-48-4	Cobalt	0.54	0.54
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-50-8	Copper	42.3	42.3
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7439-89-6	Iron	50900	50900
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7439-92-1	Lead	2520	2520
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7439-95-4	Magnesium	373	373
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7439-96-5	Manganese	76.8	76.8
OM6	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-18	13.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.16	0.16
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-02-0	Nickel	18.4	18.4
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-09-7	Potassium	4360	4360
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7782-49-2	Selenium	1.2	1.2
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-22-4	Silver	35.0	35.0
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-23-5	Sodium	82.3	2300
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-28-0	Thallium	11.5	11.5
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-62-2	Vanadium	29.4	29.4
OM6	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	100	mL	7440-66-6	Zinc	447	447
OM6	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-18	13.1	1	g	Other	50	mL	57-12-5	Cyanide	0.58	0.58
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7429-90-5	Aluminum	4620	4620
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-36-0	Antimony	5.6	5.6
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-38-2	Arsenic	538	538
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-39-3	Barium	60.3	60.3
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-41-7	Beryllium	0.26	2.3
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-43-9	Cadmium	108	108
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-70-2	Calcium	12800	12800
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-47-3	Chromium	4.6	4.6
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-48-4	Cobalt	5.9	5.9
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-50-8	Copper	474	474
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7439-89-6	Iron	132000	132000
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7439-92-1	Lead	20300	20300
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7439-95-4	Magnesium	3470	3470
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7439-96-5	Manganese	4840	4840
RB1-10	LB	NA	2	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-19	12.5	0.5	g	Other	100	mL	7439-97-6	Mercury	1.3	1.3
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-02-0	Nickel	18.3	18.3
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-09-7	Potassium	2410	2410
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7782-49-2	Selenium	3.2	3.2
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-22-4	Silver	69.2	69.2
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-23-5	Sodium	79.3	2290
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-28-0	Thallium	11.4	11.4
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-62-2	Vanadium	14.2	22.9
RB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	100	mL	7440-66-6	Zinc	15500	15500
RB1-10	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-19	12.5	1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7429-90-5	Aluminum	20300	20300
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-36-0	Antimony	26.4	26.4
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-38-2	Arsenic	5.2	5.2
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-39-3	Barium	46.3	46.3
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-41-7	Beryllium	1.0	2.2
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-43-9	Cadmium	0.72	2.2
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-70-2	Calcium	2200	2200
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-47-3	Chromium	9.8	9.8

SYS SAMPLE CODE	RESULT ERROR DELTA	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OM6		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD,*,N	UJ	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
OM6		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D,*,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-10		TRG	Y	Y	UN	UJ	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	UD,N	R	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D,*,E	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	JD,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	JD,*,N	UJ	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	11:36:27	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	12:34:44	T	Initial
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AW8	08/15/2012	13:55:00	8-081412-170240-0005	08/16/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	17:35:31	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	08:47:17	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:57:48	T	Initial
GB1-10	MH0AW7D	S	Duplicate	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	18:05:16	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	CV	09/04/2012	08:49:28	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-48-4	Cobalt	3.0	3.0
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-50-8	Copper	8.6	11.0
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7439-89-6	Iron	15900	15900
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7439-92-1	Lead	19.1	19.1
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7439-95-4	Magnesium	3210	3210
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7439-96-5	Manganese	183	183
RB1-20	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	1208226-20	9.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.024	0.11
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-02-0	Nickel	8.4	17.6
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-09-7	Potassium	2840	2840
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7782-49-2	Selenium	15.4	15.4
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-22-4	Silver	4.4	4.4
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-23-5	Sodium	66.5	2200
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-28-0	Thallium	11.0	11.0
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-62-2	Vanadium	25.7	25.7
RB1-20	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	100	mL	7440-66-6	Zinc	153	153
RB1-20	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	1208226-20	9.1	1	g	Other	50	mL	57-12-5	Cyanide	0.13	0.13
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7429-90-5	Aluminum	6610	6610
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-36-0	Antimony	4.2	4.2
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-38-2	Arsenic	111	111
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-39-3	Barium	172	172
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-41-7	Beryllium	0.21	2.4
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-43-9	Cadmium	61.0	61.0
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-70-2	Calcium	34100	34100
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-47-3	Chromium	0.85	4.9
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-48-4	Cobalt	0.57	0.57
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-50-8	Copper	80.7	80.7
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7439-89-6	Iron	85000	85000
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7439-92-1	Lead	12000	12000
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7439-95-4	Magnesium	1780	1780
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7439-96-5	Manganese	1480	1480
GB1-10	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	0.5	g		100	mL	7439-97-6	Mercury	0.38	0.38
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-02-0	Nickel	19.5	19.5
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-09-7	Potassium	7970	7970
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7782-49-2	Selenium	2.1	2.1
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-22-4	Silver	106	106
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-23-5	Sodium	576	2440
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-28-0	Thallium	12.2	12.2
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-62-2	Vanadium	11.6	24.4
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		100	mL	7440-66-6	Zinc	7830	7830
GB1-10	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	MH0AW7-DUP	18.0	1	g		50	mL	57-12-5	Cyanide	0.61	0.61
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7429-90-5	Aluminum	6120	6120
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-36-0	Antimony	12.0	12.0
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-38-2	Arsenic	103	103
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-39-3	Barium	352	352
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-41-7	Beryllium	12.0	12.0
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-43-9	Cadmium	62.0	62.0
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-70-2	Calcium	26000	26000
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-47-3	Chromium	47.8	47.8
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-48-4	Cobalt	120	120
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-50-8	Copper	196	196
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7439-89-6	Iron	94200	94200
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7439-92-1	Lead	20900	20900
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7439-95-4	Magnesium	1500	1500
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7439-96-5	Manganese	1490	1490
GB1-10	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	MH0AW7-MS	18.0	0.5	g		100	mL	7439-97-6	Mercury	0.96	0.96
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-02-0	Nickel	130	130

SYS SAMPLE CODE	RESULT ERROR DELTA	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
RB1-20		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	JD,N	UJ	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	JD	U	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	UD	R	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	UD	R	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	UD,N	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
RB1-20		TRG	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D,*	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D,*	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D,*	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	UD	R	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	UD	R	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D,*	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	JD,N	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D,N	J-	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D,N	J-	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	C200.7	09/04/2012	10:53:31	T	Initial
GB1-10	MH0AW7S	S	Matrix_Spike	FIELD	MH0AW8	08/14/2012	09:30:00		08/15/2012	08/17/2012	Todd Wickert	HDR	N	AS	08/27/2012	18:06:41	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	C200.7	09/04/2012	10:40:12	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	AS	08/27/2012	17:04:22	T	Initial
	PBS01	S	Method_Blank	LAB	MH0AW8								N	CV	09/04/2012	08:42:33	T	Initial

SYS SAMPLE CODE	ANAL LOCATION	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-09-7	Potassium	7770	7770
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7782-49-2	Selenium	12.4	12.4
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-22-4	Silver	235	235
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-23-5	Sodium	687	2440
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-28-0	Thallium	8.0	8.0
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-62-2	Vanadium	128	128
GB1-10	LB	NA	4	3050B	08/24/2012	09:00:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		100	mL	7440-66-6	Zinc	7280	7280
GB1-10	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	MH0AW7-MS	18.0	1	g		50	mL	57-12-5	Cyanide	4.6	4.6
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7429-90-5	Aluminum	20.0	20.0
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-36-0	Antimony	6.0	6.0
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-38-2	Arsenic	-0.19	-0.19
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-39-3	Barium	20.0	20.0
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-41-7	Beryllium	0.50	0.50
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-43-9	Cadmium	0.015	0.015
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-70-2	Calcium	500	500
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-47-3	Chromium	0.057	1.0
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-48-4	Cobalt	5.0	5.0
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-50-8	Copper	0.052	2.5
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7439-89-6	Iron	3.7	3.7
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7439-92-1	Lead	0.36	0.36
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7439-95-4	Magnesium	500	500
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7439-96-5	Manganese	0.065	0.065
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-02-0	Nickel	0.059	0.059
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-09-7	Potassium	500	500
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7782-49-2	Selenium	3.5	3.5
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-22-4	Silver	1.0	1.0
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-23-5	Sodium	3.0	500
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-28-0	Thallium	2.5	2.5
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-62-2	Vanadium	5.0	5.0
	LB	NA	1	3050B	08/24/2012	09:00:00	BONNER	QUANT	2082002-BLK	0.0	1	g		100	mL	7440-66-6	Zinc	0.21	0.21
	LB	NA	1	Midi-distillation	08/27/2012	13:42:00	BONNER	QUANT	2082702-BLK	0.0	1	g		50	mL	57-12-5	Cyanide	0.50	0.50
	LB	NA	1	7471B	09/04/2012	07:00:00	BONNER	QUANT	2083115-BLK	0.0	0.5	g		100	mL	7439-97-6	Mercury	0.011	0.10

SYS SAMPLE CODE	RESULT ERROR DELTA	RESULT TYPE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
GB1-10		TRG	Y	Y	D	J-	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	JD	J-	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		TRG	Y	Y	JD	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	JD,N	J-	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
GB1-10		SC	Y	Y	N		N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	J	N	10.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	J	N	1.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	J	N	6.0	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Bonner Analytical Testing	42772	ISM01.3	S2BVE
		TRG	Y	Y	J	U	N	0.10	mg/kg	mg/kg	M	Bonner Analytical Testing	42772	ISM01.3	S2BVE

APPENDIX F.12
SPECTRUM ANALYTICAL, INC.: SDG MHOAW7

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:13:23	T	Reana	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:17:19	T	Reana	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:17:41	T	Reana	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:12:10	T	Reana	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:45:37	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:02:26	T	Initial	LB
GB1-10	MH0AW7	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:15:48	T	Reana	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:30:11	T	Reana	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:53:30	T	Reana	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:21:00	T	Reana	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:53:30	T	Reana	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:26:24	T	Reana	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:41:06	T	Reana	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:47:09	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:06:14	T	Initial	LB
GBI-20	MH0AW8	S	Field_Sample	FIELD	MH0AW7	08/14/2012	10:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:41:06	T	Reana	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7429-90-5	Aluminum	3910	3910		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-36-0	Antimony	1.2	6.0		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-38-2	Arsenic	46.2	46.2		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-39-3	Barium	149	149		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-41-7	Beryllium	0.19	0.19		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-43-9	Cadmium	20.1	20.1		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-70-2	Calcium	17900	17900		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-47-3	Chromium	0.68	0.68		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-48-4	Cobalt	0.67	0.67		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-50-8	Copper	79.6	79.6		TRG
GB1-10	NA	5.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.05	g	Other	100	mL	7439-89-6	Iron	61200	61200		TRG
GB1-10	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7439-92-1	Lead	7240	7240		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7439-95-4	Magnesium	2000	2000		TRG
GB1-10	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7439-96-5	Manganese	1240	1240		TRG
GB1-10	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-13A	15.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.31	0.31		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-02-0	Nickel	0.38	0.38		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-09-7	Potassium	4220	4220		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7782-49-2	Selenium	4.8	4.8		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-22-4	Silver	12.2	12.2		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-23-5	Sodium	292	292		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-28-0	Thallium	4.1	4.1		TRG
GB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-62-2	Vanadium	5.5	5.5		TRG
GB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-13A	15.2	1.18	g	Other	100	mL	7440-66-6	Zinc	3080	3080		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7429-90-5	Aluminum	4550	4550		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-36-0	Antimony	6.6	6.6		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-38-2	Arsenic	36.1	36.1		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-39-3	Barium	78.3	78.3		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-41-7	Beryllium	0.54	0.54		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-43-9	Cadmium	50.4	50.4		TRG
GBI-20	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-70-2	Calcium	156000	156000		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-47-3	Chromium	5.7	5.7		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-48-4	Cobalt	3.3	3.3		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-50-8	Copper	12.9	12.9		TRG
GBI-20	NA	1.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.13	g	Other	100	mL	7439-89-6	Iron	19600	19600		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7439-92-1	Lead	442	442		TRG
GBI-20	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7439-95-4	Magnesium	89600	89600		TRG
GBI-20	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7439-96-5	Manganese	15800	15800		TRG
GBI-20	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-14A	16.9	0.54	g	Other	100	mL	7439-97-6	Mercury	0.26	0.26		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-02-0	Nickel	12.1	12.1		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-09-7	Potassium	934	934		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7782-49-2	Selenium	10.1	10.1		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-22-4	Silver	3.3	3.3		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-23-5	Sodium	109	109		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-28-0	Thallium	20.4	20.4		TRG
GBI-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-62-2	Vanadium	11.3	11.3		TRG
GBI-20	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-14A	16.9	1.18	g	Other	100	mL	7440-66-6	Zinc	14100	14100		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7429-90-5	Aluminum	2340	2340		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-36-0	Antimony	6.2	6.2		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-38-2	Arsenic	128	128		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-39-3	Barium	34.0	34.0		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-41-7	Beryllium	0.25	0.25		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
GB1-10	Y	Y		J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y		J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	N*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	J	J-	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	NE	J-	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	J	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	J	J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	D*	J-	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	D	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	D*	J-	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	J	J-	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y		J-	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	J	J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	N*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	N	J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB1-10	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	N	J	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GBI-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:33:53	T	Reana	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:17:04	T	Reana	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:23:50	T	Reana	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:21:13	T	Reana	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:48:38	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:10:00	T	Initial	LB
GB2-10	MH0AX0	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:37:32	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:48:19	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:44:40	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:20:55	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:44:40	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:27:31	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:24:44	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:44:40	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:50:07	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:48:19	T	Reana	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:13:58	T	Initial	LB
GB2-20	MH0AX1	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:24:44	T	Reana	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:55:31	T	Reana	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:57:08	T	Reana	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-43-9	Cadmium	17.6	17.6		TRG
GB2-10	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-70-2	Calcium	32500	32500		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-47-3	Chromium	2.6	2.6		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-48-4	Cobalt	5.2	5.2		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-50-8	Copper	160	160		TRG
GB2-10	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.19	g	Other	100	mL	7439-89-6	Iron	130000	130000		TRG
GB2-10	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7439-92-1	Lead	7820	7820		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7439-95-4	Magnesium	3820	3820		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7439-96-5	Manganese	848	848		TRG
GB2-10	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-15A	14.4	0.5	g	Other	100	mL	7439-97-6	Mercury	0.23	0.23		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-02-0	Nickel	1.0	1.0		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-09-7	Potassium	2470	2470		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7782-49-2	Selenium	4.9	4.9		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-22-4	Silver	35.8	35.8		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-23-5	Sodium	190	190		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-28-0	Thallium	3.7	3.7		TRG
GB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-62-2	Vanadium	4.3	4.3		TRG
GB2-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-15A	14.4	1.13	g	Other	100	mL	7440-66-6	Zinc	2990	2990		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7429-90-5	Aluminum	1270	1270		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-36-0	Antimony	12.4	12.4		TRG
GB2-20	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-38-2	Arsenic	672	672		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-39-3	Barium	1.9	1.9		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-41-7	Beryllium	0.14	0.14		TRG
GB2-20	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-43-9	Cadmium	242	242		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-70-2	Calcium	6950	6950		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-47-3	Chromium	0.88	0.88		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-48-4	Cobalt	1.9	1.9		TRG
GB2-20	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-50-8	Copper	2830	2830		TRG
GB2-20	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.26	g	Other	100	mL	7439-89-6	Iron	329000	329000		TRG
GB2-20	NA	100.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7439-92-1	Lead	33100	33100		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7439-95-4	Magnesium	1160	1160		TRG
GB2-20	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7439-96-5	Manganese	1860	1860		TRG
GB2-20	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-16A	16.2	0.59	g	Other	100	mL	7439-97-6	Mercury	0.37	0.37		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-02-0	Nickel	3.3	3.3		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-09-7	Potassium	831	831		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7782-49-2	Selenium	3.1	3.1		TRG
GB2-20	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-22-4	Silver	230	230		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-23-5	Sodium	16.8	16.8		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-28-0	Thallium	2.2	2.2		TRG
GB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-62-2	Vanadium	4.4	4.4		TRG
GB2-20	NA	100.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-16A	16.2	1.36	g	Other	100	mL	7440-66-6	Zinc	33600	33600		TRG
GB2-30	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7429-90-5	Aluminum	15400	15400		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-36-0	Antimony	5.8	5.8		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-38-2	Arsenic	6.4	6.4		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-39-3	Barium	132	132		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-41-7	Beryllium	1.3	1.3		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-43-9	Cadmium	14.7	14.7		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-70-2	Calcium	10300	10300		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-47-3	Chromium	7.6	7.6		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-48-4	Cobalt	15.3	15.3		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-50-8	Copper	47.3	47.3		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
GB2-10	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	D		N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	JN	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	N	J	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	JN*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	DNE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	D*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	UN*	UJ	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	UN	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	D	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	UN	R	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	N*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	NE	J-	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:31:12	T	Reana	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:57:08	T	Reana	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:59:14	T	Reana	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:51:36	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:17:16	T	Initial	LB
GB2-30	MH0AX2	S	Field_Sample	FIELD	MH0AW7	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:59:14	T	Reana	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:24:06	T	Reana	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:34:57	T	Reana	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:28:15	T	Reana	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:56:08	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:21:03	T	Initial	LB
GB2-40	MH0AX3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	09:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:28:15	T	Reana	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:07:58	T	Reana	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:27:57	T	Reana	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:14:35	T	Reana	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:24:37	T	Reana	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:21:47	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
GB2-30	NA	2.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.13	g	Other	100	mL	7439-89-6	Iron	22300	22300		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7439-92-1	Lead	64.7	64.7		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7439-95-4	Magnesium	3610	3610		TRG
GB2-30	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7439-96-5	Manganese	2480	2480		TRG
GB2-30	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-17A	10.9	0.52	g	Other	100	mL	7439-97-6	Mercury	0.033	0.033		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-02-0	Nickel	12.7	12.7		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-09-7	Potassium	1570	1570		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7782-49-2	Selenium	3.1	3.1		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-22-4	Silver	0.97	0.97		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-23-5	Sodium	49.6	49.6		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-28-0	Thallium	4.4	4.4		TRG
GB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-62-2	Vanadium	26.4	26.4		TRG
GB2-30	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-17A	10.9	1.16	g	Other	100	mL	7440-66-6	Zinc	2410	2410		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7429-90-5	Aluminum	4440	4440		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-36-0	Antimony	6.9	6.9		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-38-2	Arsenic	67.3	67.3		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-39-3	Barium	240	240		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-41-7	Beryllium	0.15	0.15		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-43-9	Cadmium	15.2	15.2		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-70-2	Calcium	19200	19200		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-47-3	Chromium	0.55	0.55		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-48-4	Cobalt	0.54	0.54		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-50-8	Copper	44.5	44.5		TRG
GB2-40	NA	5.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.33	g	Other	100	mL	7439-89-6	Iron	67200	67200		TRG
GB2-40	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7439-92-1	Lead	2010	2010		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7439-95-4	Magnesium	2350	2350		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7439-96-5	Manganese	918	918		TRG
GB2-40	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-18A	17.7	0.5	g	Other	100	mL	7439-97-6	Mercury	0.44	0.44		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-02-0	Nickel	0.098	0.098		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-09-7	Potassium	5330	5330		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7782-49-2	Selenium	4.8	4.8		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-22-4	Silver	8.9	8.9		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-23-5	Sodium	282	282		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-28-0	Thallium	3.4	3.4		TRG
GB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-62-2	Vanadium	6.5	6.5		TRG
GB2-40	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-18A	17.7	1.06	g	Other	100	mL	7440-66-6	Zinc	2330	2330		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7429-90-5	Aluminum	1750	1750		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-36-0	Antimony	7.2	7.2		TRG
NB2-10	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-38-2	Arsenic	256	256		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-39-3	Barium	31.6	31.6		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-41-7	Beryllium	0.14	0.14		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-43-9	Cadmium	10.0	10.0		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-70-2	Calcium	15000	15000		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-47-3	Chromium	1.0	1.0		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-48-4	Cobalt	6.0	6.0		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-50-8	Copper	109	109		TRG
NB2-10	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.06	g	Other	100	mL	7439-89-6	Iron	112000	112000		TRG
NB2-10	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7439-92-1	Lead	2740	2740		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7439-95-4	Magnesium	688	688		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7439-96-5	Manganese	658	658		TRG
NB2-10	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-01A	17.0	0.51	g	Other	100	mL	7439-97-6	Mercury	0.44	0.44		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
GB2-30	Y	Y	D*	J-	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	D*	J-	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	J	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	J	J-	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	U*	R	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	J	J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	N*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	N	J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-30	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
GB2-40	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:49:36	T	Initial	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:07:58	T	Reana	LB
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AW7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:02:26	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:31:37	T	Reana	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:18:15	T	Reana	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:28:08	T	Reana	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:28:08	T	Reana	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:23:16	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:53:24	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:31:42	T	Reana	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AW7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:04:57	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:11:37	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:14:43	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:35:20	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:11:37	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:21:58	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:35:13	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:14:43	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:24:45	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-02-0	Nickel	4.8	4.8		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-09-7	Potassium	4400	4400		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7782-49-2	Selenium	5.4	5.4		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-22-4	Silver	23.3	23.3		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-23-5	Sodium	141	597		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-28-0	Thallium	4.1	4.1		TRG
NB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-62-2	Vanadium	5.6	5.6		TRG
NB2-10	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-01A	17.0	1.01	g	Other	100	mL	7440-66-6	Zinc	1940	1940		TRG
NB2-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-01A	17.0	1.06	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7429-90-5	Aluminum	1670	1670		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-36-0	Antimony	0.87	6.3		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-38-2	Arsenic	31.2	31.2		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-39-3	Barium	20.2	20.2		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-41-7	Beryllium	0.33	0.33		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-43-9	Cadmium	72.1	72.1		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-70-2	Calcium	4030	4030		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-47-3	Chromium	2.2	2.2		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-48-4	Cobalt	1.2	1.2		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-50-8	Copper	555	555		TRG
NB2-20	NA	3.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.26	g	Other	100	mL	7439-89-6	Iron	46100	46100		TRG
NB2-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7439-92-1	Lead	675	675		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7439-95-4	Magnesium	1360	1360		TRG
NB2-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7439-96-5	Manganese	2420	2420		TRG
NB2-20	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-02A	10.1	0.6	g	Other	100	mL	7439-97-6	Mercury	0.64	0.64		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-02-0	Nickel	1.9	1.9		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-09-7	Potassium	1870	1870		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7782-49-2	Selenium	4.5	4.5		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-22-4	Silver	19.4	19.4		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-23-5	Sodium	156	525		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-28-0	Thallium	5.4	5.4		TRG
NB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-62-2	Vanadium	2.4	2.4		TRG
NB2-20	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-02A	10.1	1.06	g	Other	100	mL	7440-66-6	Zinc	11000	11000		TRG
NB2-20	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-02A	10.1	1.22	g	Other	50	mL	57-12-5	Cyanide	0.46	0.46		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7429-90-5	Aluminum	1070	1070		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-36-0	Antimony	5.8	5.8		TRG
NB2-30	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-38-2	Arsenic	212	212		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-39-3	Barium	10.4	10.4		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-41-7	Beryllium	0.25	0.25		TRG
NB2-30	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-43-9	Cadmium	1540	1540		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-70-2	Calcium	11500	11500		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-47-3	Chromium	0.90	0.90		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-48-4	Cobalt	2.7	2.7		TRG
NB2-30	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-50-8	Copper	1420	1420		TRG
NB2-30	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.18	g	Other	100	mL	7439-89-6	Iron	188000	188000		TRG
NB2-30	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7439-92-1	Lead	14700	14700		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7439-95-4	Magnesium	9550	9550		TRG
NB2-30	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7439-96-5	Manganese	9500	9500		TRG
NB2-30	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-03A	11.5	0.52	g	Other	100	mL	7439-97-6	Mercury	0.60	0.60		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-02-0	Nickel	6.3	6.3		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-09-7	Potassium	779	779		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7782-49-2	Selenium	3.9	3.9		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB2-10	Y	N	U	U	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	JN	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-10	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	JN*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	JN	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	N	J	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	JN*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	DNE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	D*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:13:40	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	11:57:14	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:38:45	T	Reana	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AW7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:07:27	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:27:50	T	Reana	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:38:38	T	Reana	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:31:47	T	Reana	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:57:39	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:24:51	T	Initial	LB
NW11	MH0AY3	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:11:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:02:47	T	Reana	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:06:26	T	Reana	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:31:36	T	Reana	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:42:19	T	Reana	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:35:22	T	Reana	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:06:26	T	Reana	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:59:07	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:10:06	T	Reana	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	13:28:44	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB2-30	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-22-4	Silver	166	166		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-23-5	Sodium	33.0	392		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-28-0	Thallium	12.5	12.5		TRG
NB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-62-2	Vanadium	3.9	3.9		TRG
NB2-30	NA	500.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-03A	11.5	1.44	g	Other	100	mL	7440-66-6	Zinc	242000	242000		TRG
NB2-30	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-03A	11.5	1.01	g	Other	50	mL	57-12-5	Cyanide	0.56	0.56		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7429-90-5	Aluminum	1660	1660		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-36-0	Antimony	5.1	5.1		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-38-2	Arsenic	74.9	74.9		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-39-3	Barium	71.5	71.5		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-41-7	Beryllium	0.18	0.18		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-43-9	Cadmium	4.7	4.7		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-70-2	Calcium	132	429		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-47-3	Chromium	0.86	0.86		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-48-4	Cobalt	1.0	1.0		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-50-8	Copper	85.9	85.9		TRG
NW11	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.15	g	Other	100	mL	7439-89-6	Iron	166000	166000		TRG
NW11	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7439-92-1	Lead	1660	1660		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7439-95-4	Magnesium	77.1	77.1		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7439-96-5	Manganese	205	205		TRG
NW11	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-19A	8.9	0.5	g	Other	100	mL	7439-97-6	Mercury	0.14	0.14		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-02-0	Nickel	2.3	2.3		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-09-7	Potassium	2070	2070		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7782-49-2	Selenium	4.5	4.5		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-22-4	Silver	50.6	50.6		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-23-5	Sodium	25.4	25.4		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-28-0	Thallium	2.0	2.0		TRG
NW11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-62-2	Vanadium	0.20	0.20		TRG
NW11	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-19A	8.9	1.28	g	Other	100	mL	7440-66-6	Zinc	1070	1070		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7429-90-5	Aluminum	1690	1690		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-36-0	Antimony	1.6	5.1		TRG
NM2	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-38-2	Arsenic	304	304		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-39-3	Barium	25.2	25.2		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-41-7	Beryllium	0.11	0.11		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-43-9	Cadmium	39.1	39.1		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-70-2	Calcium	15900	15900		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-47-3	Chromium	1.1	1.1		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-48-4	Cobalt	0.090	0.090		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-50-8	Copper	765	765		TRG
NM2	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.33	g	Other	100	mL	7439-89-6	Iron	106000	106000		TRG
NM2	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7439-92-1	Lead	18900	18900		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7439-95-4	Magnesium	1920	1920		TRG
NM2	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7439-96-5	Manganese	1310	1310		TRG
NM2	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-20A	13.3	0.5	g	Other	100	mL	7439-97-6	Mercury	0.68	0.68		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-02-0	Nickel	0.57	0.57		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-09-7	Potassium	3180	3180		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7782-49-2	Selenium	4.8	4.8		TRG
NM2	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-22-4	Silver	179	179		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-23-5	Sodium	67.3	67.3		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-28-0	Thallium	4.6	4.6		TRG
NM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-62-2	Vanadium	11.8	11.8		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB2-30	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	UN	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	JN*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	JN	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NW11	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM2	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NM2	MH0AY4	S	Field_Sample	FIELD	MH0AW7	08/14/2012	13:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:10:06	T	Reana	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:38:24	T	Reana	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:25:38	T	Reana	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:42:16	T	Reana	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:18:17	T	Reana	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:26:14	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:18:17	T	Reana	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:00:25	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:18:17	T	Reana	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:09:58	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:59:38	T	Reana	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:47:34	T	Reana	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:03:28	T	Reana	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:30:41	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:26:32	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AW7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:17:30	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NM2	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-20A	13.3	1.36	g	Other	100	mL	7440-66-6	Zinc	5870	5870		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7429-90-5	Aluminum	2180	2180		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-36-0	Antimony	9.4	9.4		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-38-2	Arsenic	144	144		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-39-3	Barium	224	224		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-41-7	Beryllium	0.12	0.12		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-43-9	Cadmium	7.6	7.6		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-70-2	Calcium	11400	11400		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-47-3	Chromium	2.3	2.3		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-48-4	Cobalt	0.97	0.97		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-50-8	Copper	483	483		TRG
OB1-10	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.14	g	Other	100	mL	7439-89-6	Iron	164000	164000		TRG
OB1-10	NA	40.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7439-92-1	Lead	9300	9300		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7439-95-4	Magnesium	193	193		TRG
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7439-96-5	Manganese	4560	4560		TRG
OB1-10	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-04A	19.8	0.57	g	Other	100	mL	7439-97-6	Mercury	0.47	0.47		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-02-0	Nickel	1.9	1.9		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-09-7	Potassium	5060	5060		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7782-49-2	Selenium	9.8	9.8		TRG
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-22-4	Silver	169	169		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-23-5	Sodium	203	583		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-28-0	Thallium	9.7	9.7		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-62-2	Vanadium	103	103		TRG
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04A	19.8	1.07	g	Other	100	mL	7440-66-6	Zinc	2730	2730		TRG
OB1-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-04A	19.8	1.16	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7429-90-5	Aluminum	2840	2840		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-36-0	Antimony	6.1	6.1		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-38-2	Arsenic	59.5	59.5		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-39-3	Barium	21.5	21.5		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-41-7	Beryllium	0.097	0.097		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-43-9	Cadmium	5.9	5.9		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-70-2	Calcium	8870	8870		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-47-3	Chromium	0.12	0.12		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-48-4	Cobalt	12.5	12.5		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-50-8	Copper	101	101		TRG
OB1-20	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.25	g	Other	100	mL	7439-89-6	Iron	310000	310000		TRG
OB1-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7439-92-1	Lead	909	909		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7439-95-4	Magnesium	698	698		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7439-96-5	Manganese	197	197		TRG
OB1-20	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-05A	13.6	0.59	g	Other	100	mL	7439-97-6	Mercury	0.012	0.012		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-02-0	Nickel	10.0	10.0		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-09-7	Potassium	3700	3700		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7782-49-2	Selenium	3.6	3.6		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-22-4	Silver	59.7	59.7		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-23-5	Sodium	78.1	78.1		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-28-0	Thallium	1.1	1.1		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-62-2	Vanadium	3.1	3.1		TRG
OB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-05A	13.6	1.13	g	Other	100	mL	7440-66-6	Zinc	314	314		TRG
OB1-20	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-05A	13.6	1.12	g	Other	50	mL	57-12-5	Cyanide	0.52	0.52		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7429-90-5	Aluminum	2630	2630		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-36-0	Antimony	6.1	6.1		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM2	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N	J	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	J	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	JN*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y	JN	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:38:53	T	Reana	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:51:14	T	Reana	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:38:53	T	Reana	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:39:46	T	Reana	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:32:10	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:30:33	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:39:46	T	Reana	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:20:01	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:50:37	T	Reana	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:03:33	T	Reana	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:58:48	T	Reana	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:07:05	T	Reana	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:54:12	T	Reana	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:38:09	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:38:23	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:54:12	T	Reana	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:30:02	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:57:44	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:57:44	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-38-2	Arsenic	18.5	18.5		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-39-3	Barium	116	116		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-41-7	Beryllium	0.30	0.30		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-43-9	Cadmium	21.1	21.1		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-70-2	Calcium	25100	25100		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-47-3	Chromium	0.14	0.14		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-48-4	Cobalt	1.5	1.5		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-50-8	Copper	158	158		TRG
OB1-30	NA	2.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.19	g	Other	100	mL	7439-89-6	Iron	36300	36300		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7439-92-1	Lead	82.4	82.4		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7439-95-4	Magnesium	7170	7170		TRG
OB1-30	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7439-96-5	Manganese	3450	3450		TRG
OB1-30	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-06A	12.1	0.52	g	Other	100	mL	7439-97-6	Mercury	0.044	0.044		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-02-0	Nickel	2.5	2.5		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-09-7	Potassium	3060	3060		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7782-49-2	Selenium	4.2	4.2		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-22-4	Silver	2.8	2.8		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-23-5	Sodium	35.9	35.9		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-28-0	Thallium	6.8	6.8		TRG
OB1-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-62-2	Vanadium	19.2	19.2		TRG
OB1-30	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-06A	12.1	1.11	g	Other	100	mL	7440-66-6	Zinc	4840	4840		TRG
OB1-30	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-06A	12.1	1.18	g	Other	50	mL	57-12-5	Cyanide	0.48	0.48		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7429-90-5	Aluminum	5290	5290		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-36-0	Antimony	5.3	5.3		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-38-2	Arsenic	85.9	85.9		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-39-3	Barium	72.6	72.6		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-41-7	Beryllium	0.21	0.21		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-43-9	Cadmium	16.7	16.7		TRG
OB2-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-70-2	Calcium	47500	47500		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-47-3	Chromium	3.5	3.5		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-48-4	Cobalt	0.72	0.72		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-50-8	Copper	665	665		TRG
OB2-10	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.31	g	Other	100	mL	7439-89-6	Iron	141000	141000		TRG
OB2-10	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7439-92-1	Lead	6930	6930		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7439-95-4	Magnesium	11900	11900		TRG
OB2-10	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7439-96-5	Manganese	4310	4310		TRG
OB2-10	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-08A	19.1	0.5	g	Other	100	mL	7439-97-6	Mercury	0.57	0.57		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-02-0	Nickel	1.1	1.1		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-09-7	Potassium	1430	1430		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7782-49-2	Selenium	5.0	5.0		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-22-4	Silver	42.1	42.1		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-23-5	Sodium	175	175		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-28-0	Thallium	8.7	8.7		TRG
OB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-62-2	Vanadium	297	297		TRG
OB2-10	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-08A	19.1	1.4	g	Other	100	mL	7440-66-6	Zinc	3270	3270		TRG
OB2-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-08A	19.1	1.09	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
OB2-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7429-90-5	Aluminum	11100	11100		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-36-0	Antimony	9.6	9.6		TRG
OB2-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-38-2	Arsenic	244	244		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-39-3	Barium	731	731		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-41-7	Beryllium	0.73	0.73		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OB1-30	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	J	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	D		N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	N	J	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:57:44	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:07:33	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:57:44	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:02:29	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:10:37	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:10:37	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:39:41	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:57:44	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:41:35	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:10:37	T	Reana	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AW7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:32:33	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:01:24	T	Reana	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:46:26	T	Reana	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:06:11	T	Reana	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:46:26	T	Reana	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:41:10	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:44:42	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AW7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:35:04	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:43:22	T	Reana	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-43-9	Cadmium	142	142		TRG
OB2-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-70-2	Calcium	29700	29700		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-47-3	Chromium	16.1	16.1		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-48-4	Cobalt	5.5	5.5		TRG
OB2-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-50-8	Copper	1850	1850		TRG
OB2-20	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7439-89-6	Iron	157000	157000		TRG
OB2-20	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7439-92-1	Lead	17900	17900		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7439-95-4	Magnesium	22700	22700		TRG
OB2-20	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7439-96-5	Manganese	23800	23800		TRG
OB2-20	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-09A	13.4	0.51	g	Other	100	mL	7439-97-6	Mercury	0.17	0.17		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-02-0	Nickel	17.8	17.8		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-09-7	Potassium	1410	1410		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7782-49-2	Selenium	13.4	13.4		TRG
OB2-20	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-22-4	Silver	65.9	65.9		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-23-5	Sodium	244	244		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-28-0	Thallium	28.5	28.5		TRG
OB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-62-2	Vanadium	175	175		TRG
OB2-20	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-09A	13.4	1.22	g	Other	100	mL	7440-66-6	Zinc	38600	38600		TRG
OB2-20	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-09A	13.4	1.06	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54		TRG
OB2-30	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7429-90-5	Aluminum	16700	16700		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-36-0	Antimony	6.4	6.4		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-38-2	Arsenic	9.1	9.1		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-39-3	Barium	139	139		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-41-7	Beryllium	0.86	0.86		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-43-9	Cadmium	1.8	1.8		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-70-2	Calcium	508	531		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-47-3	Chromium	10.4	10.4		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-48-4	Cobalt	5.3	5.3		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-50-8	Copper	36.2	36.2		TRG
OB2-30	NA	1.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.12	g	Other	100	mL	7439-89-6	Iron	20000	20000		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7439-92-1	Lead	270	270		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7439-95-4	Magnesium	2480	2480		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7439-96-5	Manganese	873	873		TRG
OB2-30	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-10A	15.2	0.52	g	Other	100	mL	7439-97-6	Mercury	0.020	0.020		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-02-0	Nickel	7.5	7.5		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-09-7	Potassium	1910	1910		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7782-49-2	Selenium	2.1	2.1		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-22-4	Silver	0.75	1.1		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-23-5	Sodium	28.3	28.3		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-28-0	Thallium	2.0	2.0		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-62-2	Vanadium	22.5	22.5		TRG
OB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-10A	15.2	1.11	g	Other	100	mL	7440-66-6	Zinc	451	451		TRG
OB2-30	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-10A	15.2	1.07	g	Other	50	mL	57-12-5	Cyanide	0.55	0.55		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7429-90-5	Aluminum	3350	3350		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-36-0	Antimony	2.2	6.4		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-38-2	Arsenic	26.8	26.8		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-39-3	Barium	642	642		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-41-7	Beryllium	0.54	0.54		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-43-9	Cadmium	54.6	54.6		TRG
NB2-40	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-70-2	Calcium	60800	60800		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-47-3	Chromium	0.92	0.92		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OB2-20	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D		N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	J	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	J	J	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	J*	UJ	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	JN*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	D		N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:42:43	T	Reana	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:54:52	T	Reana	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:42:43	T	Reana	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:47:03	T	Reana	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:33:39	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:34:30	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:47:03	T	Reana	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AW7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:22:32	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:04:57	T	Reana	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:50:02	T	Reana	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:46:01	T	Reana	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:50:02	T	Reana	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:42:39	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:48:27	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AW7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:37:35	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	18:10:32	T	Reana	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:13:38	T	Reana	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-48-4	Cobalt	4.6	4.6		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-50-8	Copper	14.3	14.3		TRG
NB2-40	NA	1.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.12	g	Other	100	mL	7439-89-6	Iron	16900	16900		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7439-92-1	Lead	239	239		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7439-95-4	Magnesium	21600	21600		TRG
NB2-40	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7439-96-5	Manganese	6180	6180		TRG
NB2-40	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-07A	10.3	0.59	g	Other	100	mL	7439-97-6	Mercury	0.16	0.16		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-02-0	Nickel	13.7	13.7		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-09-7	Potassium	1460	1460		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7782-49-2	Selenium	4.9	4.9		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-22-4	Silver	4.7	4.7		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-23-5	Sodium	70.7	70.7		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-28-0	Thallium	11.2	11.2		TRG
NB2-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-62-2	Vanadium	11.4	11.4		TRG
NB2-40	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-07A	10.3	1.05	g	Other	100	mL	7440-66-6	Zinc	6280	6280		TRG
NB2-40	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-07A	10.3	1.04	g	Other	50	mL	57-12-5	Cyanide	0.54	0.54		TRG
OB1-40	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7429-90-5	Aluminum	15100	15100		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-36-0	Antimony	6.2	6.2		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-38-2	Arsenic	4.4	4.4		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-39-3	Barium	99.4	99.4		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-41-7	Beryllium	0.70	0.70		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-43-9	Cadmium	2.7	2.7		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-70-2	Calcium	4240	4240		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-47-3	Chromium	7.1	7.1		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-48-4	Cobalt	4.3	4.3		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-50-8	Copper	74.0	74.0		TRG
OB1-40	NA	2.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.38	g	Other	100	mL	7439-89-6	Iron	19900	19900		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7439-92-1	Lead	35.0	35.0		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7439-95-4	Magnesium	3340	3340		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7439-96-5	Manganese	417	417		TRG
OB1-40	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-11A	11.1	0.59	g	Other	100	mL	7439-97-6	Mercury	0.016	0.016		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-02-0	Nickel	8.1	8.1		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-09-7	Potassium	2370	2370		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7782-49-2	Selenium	1.6	1.6		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-22-4	Silver	0.21	1.0		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-23-5	Sodium	33.3	33.3		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-28-0	Thallium	1.3	1.3		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-62-2	Vanadium	17.2	17.2		TRG
OB1-40	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-11A	11.1	1.08	g	Other	100	mL	7440-66-6	Zinc	568	568		TRG
OB1-40	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-11A	11.1	1.13	g	Other	50	mL	57-12-5	Cyanide	0.50	0.50		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7429-90-5	Aluminum	2540	2540		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-36-0	Antimony	12.7	12.7		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-38-2	Arsenic	179	179		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-39-3	Barium	235	235		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-41-7	Beryllium	0.18	0.18		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-43-9	Cadmium	18.1	18.1		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-70-2	Calcium	9360	9360		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-47-3	Chromium	7.3	7.3		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-48-4	Cobalt	2.1	2.1		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-50-8	Copper	455	455		TRG
OB1-11	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.14	g	Other	100	mL	7439-89-6	Iron	175000	175000		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB2-40	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	D*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	D		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	*	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	J	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	J	J	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	J*	UJ	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	JN*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	N	J	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	NE	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	D*	J	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	14:14:09	T	Reana	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:44:08	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:08:30	T	Reana	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:52:09	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	16:08:30	T	Reana	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AW7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:40:07	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:42:22	T	Reana	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	13:29:18	T	Reana	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:45:48	T	Reana	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:21:51	T	Reana	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	10:27:43	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:21:51	T	Reana	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:04:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:21:51	T	Reana	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:12:29	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:46:12	T	Reana	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	13:49:21	T	Reana	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	17:17:19	T	Reana	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/24/2012	11:02:05	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:25:25	T	Reana	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OB1-11	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7439-92-1	Lead	10700	10700		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7439-95-4	Magnesium	605	605		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7439-96-5	Manganese	1.8	1.8		TRG
OB1-11	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-12A	19.6	0.5	g	Other	100	mL	7439-97-6	Mercury	0.57	0.57		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-02-0	Nickel	3.5	3.5		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-09-7	Potassium	4680	4680		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7782-49-2	Selenium	15.1	15.1		TRG
OB1-11	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-22-4	Silver	137	137		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-23-5	Sodium	177	177		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-28-0	Thallium	21.5	21.5		TRG
OB1-11	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-62-2	Vanadium	129	129		TRG
OB1-11	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-12A	19.6	1.01	g	Other	100	mL	7440-66-6	Zinc	4630	4630		TRG
OB1-11	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-12A	19.6	1.1	g	Other	50	mL	57-12-5	Cyanide	0.57	0.57		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7429-90-5	Aluminum	2400	2400		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-36-0	Antimony	5.8	7.1		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-38-2	Arsenic	140	140		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-39-3	Barium	181	181		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-41-7	Beryllium	0.14	0.14		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-43-9	Cadmium	8.3	8.3		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-70-2	Calcium	9440	9440		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-47-3	Chromium	2.1	2.1		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-48-4	Cobalt	0.96	0.96		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-50-8	Copper	669	669		TRG
OB1-10	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.15	g		100	mL	7439-89-6	Iron	228000	228000		TRG
OB1-10	NA	40.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7439-92-1	Lead	10500	10500		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7439-95-4	Magnesium	213	213		TRG
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7439-96-5	Manganese	2830	2830		TRG
OB1-10	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-04ADUF	19.8	0.58	g		100	mL	7439-97-6	Mercury	0.48	0.48		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-02-0	Nickel	2.0	2.0		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-09-7	Potassium	4830	4830		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7782-49-2	Selenium	7.4	7.4		TRG
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-22-4	Silver	135	135		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-23-5	Sodium	209	588		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-28-0	Thallium	6.7	6.7		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-62-2	Vanadium	86.0	86.0		TRG
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.06	g		100	mL	7440-66-6	Zinc	2560	2560		TRG
OB1-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-04ADUF	19.8	1.17	g		50	mL	57-12-5	Cyanide	0.53	0.53		TRG
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-36-0	Antimony	20.3	20.3		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-38-2	Arsenic	206	206		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-39-3	Barium	220	220		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-41-7	Beryllium	11.1	11.1		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-43-9	Cadmium	27.7	27.7		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-47-3	Chromium	50.5	50.5		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-48-4	Cobalt	117	117		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-50-8	Copper	646	646		SC
OB1-10	NA	40.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7439-92-1	Lead	14400	14400		SC
OB1-10	NA	25.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7439-96-5	Manganese	19400	19400		SC
OB1-10	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	L1898-04AMS	19.8	0.59	g		100	mL	7439-97-6	Mercury	1.1	1.1		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-02-0	Nickel	114	114		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7782-49-2	Selenium	22.1	22.1		SC
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-22-4	Silver	153	153		SC

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OB1-11	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	U*	UJ	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	N*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	N	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	U	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	*		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D*		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D*		N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D*		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N		N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/15/2012	12:08:28	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/17/2012	15:25:25	T	Reana	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AW7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:14:59	T	Initial	LB
	PBS08	S	Method_Blank	LAB	MH0AW7								N	CV	09/24/2012	10:20:18	T	Initial	LB
	PBS08	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/24/2012	13:04:32	T	Initial	LB
	PBS47	S	Method_Blank	LAB	MH0AW7								N	AS	09/19/2012	10:59:56	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/17/2012	13:13:59	T	Reana	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/17/2012	13:13:59	T	Reana	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB
	PBS99	S	Method_Blank	LAB	MH0AW7								N	C200.7	09/15/2012	11:38:31	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-28-0	Thallium	38.0	38.0		SC
OB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-62-2	Vanadium	322	322		SC
OB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.07	g		100	mL	7440-66-6	Zinc	3690	3690		SC
OB1-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1898-04AMS	19.8	1.16	g		50	mL	57-12-5	Cyanide	5.3	5.3		SC
	NA	1.0	7471B	09/23/2012	11:21:09	MITKEM	QUANT	MB-68283	0.0	0.5	g		100	mL	7439-97-6	Mercury	0.10	0.10		TRG
	NA	1.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	MB-68193	0.0	1	g		100	mL	7439-89-6	Iron	10.0	10.0		TRG
	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	MB-68156	0.0	1	g		50	mL	57-12-5	Cyanide	0.50	0.50		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-48-4	Cobalt	5.0	5.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7439-92-1	Lead	0.52	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7429-90-5	Aluminum	20.0	20.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-36-0	Antimony	2.7	6.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-38-2	Arsenic	1.0	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-39-3	Barium	20.0	20.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-41-7	Beryllium	0.50	0.50		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-43-9	Cadmium	0.50	0.50		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-70-2	Calcium	28.5	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-47-3	Chromium	1.0	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-50-8	Copper	0.84	2.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7439-95-4	Magnesium	500	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7439-96-5	Manganese	0.15	1.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-02-0	Nickel	4.0	4.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-09-7	Potassium	21.3	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7782-49-2	Selenium	3.5	3.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-22-4	Silver	1.0	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-23-5	Sodium	500	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-28-0	Thallium	2.5	2.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-62-2	Vanadium	5.0	5.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68136	0.0	1	g		100	mL	7440-66-6	Zinc	6.0	6.0		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OB1-10	Y	Y	N		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	N		N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y		J-	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

APPENDIX F.13
SPECTRUM ANALYTICAL, INC.: SDG MHOAM7

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:05:35	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB06	MH0AM7	W	Field_Blank	FIELD	MH0AM7	08/22/2012	10:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:25:59	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:14:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB14	MH0B39	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:40:36	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7429-90-5	Aluminum	200	200		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-36-0	Antimony	6.0	60.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.11	5.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-70-2	Calcium	496	5000		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-50-8	Copper	1.8	25.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7439-89-6	Iron	100	100		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7439-92-1	Lead	10.0	10.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7439-96-5	Manganese	15.0	15.0		TRG
FB06	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-05A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-09-7	Potassium	391	5000		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-22-4	Silver	1.4	10.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-23-5	Sodium	169	5000		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.2	50.0		TRG
FB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-05A		50	mL	Other	50	mL	7440-66-6	Zinc	60.0	60.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7429-90-5	Aluminum	200	200		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-36-0	Antimony	60.0	60.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.10	5.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-70-2	Calcium	588	5000		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-50-8	Copper	25.0	25.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7439-89-6	Iron	2.4	100		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7439-92-1	Lead	10.0	10.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7439-96-5	Manganese	15.0	15.0		TRG
FB14	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-09A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-09-7	Potassium	294	5000		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-22-4	Silver	1.7	10.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-23-5	Sodium	155	5000		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-62-2	Vanadium	0.98	50.0		TRG
FB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-09A		50	mL	Other	50	mL	7440-66-6	Zinc	60.0	60.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7429-90-5	Aluminum	200	200		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-36-0	Antimony	5.0	60.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.10	5.0		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
FB06	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB06	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	Y	J	U	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB14	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:11:35	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB15	MH0B40	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:33:17	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	09:59:40	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB16	MH0B41	W	Field_Blank	FIELD	MH0AM7	08/20/2012	14:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:11:23	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-70-2	Calcium	531	5000		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-50-8	Copper	1.5	25.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7439-89-6	Iron	5.9	100		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7439-92-1	Lead	10.0	10.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7439-96-5	Manganese	15.0	15.0		TRG
FB15	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-07A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-09-7	Potassium	288	5000		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-22-4	Silver	1.5	10.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-23-5	Sodium	143	5000		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.1	50.0		TRG
FB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-07A		50	mL	Other	50	mL	7440-66-6	Zinc	60.0	60.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7429-90-5	Aluminum	200	200		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-36-0	Antimony	6.4	60.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.13	5.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-70-2	Calcium	551	5000		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-50-8	Copper	25.0	25.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7439-89-6	Iron	100	100		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7439-92-1	Lead	10.0	10.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7439-96-5	Manganese	15.0	15.0		TRG
FB16	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-01A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-09-7	Potassium	489	5000		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-22-4	Silver	1.5	10.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-23-5	Sodium	172	5000		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.1	50.0		TRG
FB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-01A		50	mL	Other	50	mL	7440-66-6	Zinc	60.0	60.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7429-90-5	Aluminum	200	200		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-36-0	Antimony	7.7	60.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.11	5.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-70-2	Calcium	562	5000		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-50-8	Copper	25.0	25.0		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
FB15	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB15	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB16	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:01:08	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
FB17	MH0B42	W	Field_Blank	FIELD	MH0AM7	08/21/2012	13:25:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:15:02	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:07:04	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB06	MH0B43	W	Field_Blank	FIELD	MH0AM7	08/22/2012	11:10:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:29:38	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:16:05	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7439-89-6	Iron	7.6	100		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7439-92-1	Lead	10.0	10.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7439-96-5	Manganese	15.0	15.0		TRG
FB17	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-02A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-09-7	Potassium	476	5000		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-22-4	Silver	1.2	10.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-23-5	Sodium	162	5000		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.1	50.0		TRG
FB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-02A		50	mL	Other	50	mL	7440-66-6	Zinc	60.0	60.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7429-90-5	Aluminum	200	200		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-36-0	Antimony	60.0	60.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.11	5.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-70-2	Calcium	628	5000		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-50-8	Copper	2.5	25.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7439-89-6	Iron	64.9	100		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7439-92-1	Lead	9.6	10.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7439-96-5	Manganese	11.0	15.0		TRG
RB06	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-06A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-09-7	Potassium	335	5000		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-22-4	Silver	2.0	10.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-23-5	Sodium	181	5000		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.1	50.0		TRG
RB06	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-06A		50	mL	Other	50	mL	7440-66-6	Zinc	17.6	60.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7429-90-5	Aluminum	29.1	200		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-36-0	Antimony	5.6	60.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.10	5.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-70-2	Calcium	941	5000		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-47-3	Chromium	0.23	10.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-50-8	Copper	1.3	25.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7439-89-6	Iron	316	316		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7439-92-1	Lead	7.7	10.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7439-96-5	Manganese	26.2	26.2		TRG
RB14	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-10A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
FB17	Y	Y	J	U	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
FB17	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB06	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y		J-	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y		J-	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB14	MH0B49	W	Field_Blank	FIELD	MH0AM7	08/14/2012	10:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:44:16	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:13:07	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB15	MH0B50	W	Field_Blank	FIELD	MH0AM7	08/15/2012	10:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:36:56	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:02:37	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-09-7	Potassium	347	5000		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-22-4	Silver	1.4	10.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-23-5	Sodium	233	5000		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.1	50.0		TRG
RB14	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-10A		50	mL	Other	50	mL	7440-66-6	Zinc	25.5	60.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7429-90-5	Aluminum	85.3	200		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-36-0	Antimony	60.0	60.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.10	5.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-70-2	Calcium	936	5000		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-50-8	Copper	4.3	25.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7439-89-6	Iron	414	414		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7439-92-1	Lead	68.6	68.6		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7439-96-5	Manganese	35.0	35.0		TRG
RB15	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-08A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-09-7	Potassium	416	5000		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-22-4	Silver	1.9	10.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-23-5	Sodium	289	5000		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.7	50.0		TRG
RB15	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-08A		50	mL	Other	50	mL	7440-66-6	Zinc	57.1	60.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7429-90-5	Aluminum	241	241		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-36-0	Antimony	8.4	60.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.11	5.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-43-9	Cadmium	6.1	6.1		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-70-2	Calcium	1250	5000		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-47-3	Chromium	0.94	10.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-50-8	Copper	21.4	25.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7439-89-6	Iron	1300	1300		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7439-92-1	Lead	305	305		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7439-95-4	Magnesium	305	305		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7439-96-5	Manganese	156	156		TRG
RB16	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-03A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-09-7	Potassium	552	5000		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-22-4	Silver	3.1	10.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-23-5	Sodium	170	5000		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
RB14	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB14	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y		J-	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y		J-	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y		J-	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB15	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y		J-	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y		J-	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y		J-	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y		J-	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	J-	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y		J-	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB16	MH0B51	W	Field_Blank	FIELD	MH0AM7	08/20/2012	16:15:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:18:41	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	10:04:06	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
RB17	MH0B52	W	Field_Blank	FIELD	MH0AM7	08/21/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/25/2012	09:22:20	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW11	W	Method_Blank	LAB	MH0AM7								N	C200.7	09/25/2012	09:03:59	T	Initial	LB
	PBW16	W	Method_Blank	LAB	MH0AM7								N	CV	09/25/2012	09:53:43	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.6	50.0		TRG
RB16	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-03A		50	mL	Other	50	mL	7440-66-6	Zinc	991	991		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7429-90-5	Aluminum	50.3	200		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-36-0	Antimony	6.3	60.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-39-3	Barium	200	200		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-41-7	Beryllium	0.094	5.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-70-2	Calcium	896	5000		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-47-3	Chromium	10.0	10.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-50-8	Copper	7.1	25.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7439-89-6	Iron	654	654		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7439-92-1	Lead	18.9	18.9		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7439-95-4	Magnesium	5000	5000		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7439-96-5	Manganese	35.8	35.8		TRG
RB17	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	L1908-04A		100	mL	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-02-0	Nickel	40.0	40.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-09-7	Potassium	476	5000		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7782-49-2	Selenium	35.0	35.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-22-4	Silver	1.8	10.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-23-5	Sodium	183	5000		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-28-0	Thallium	25.0	25.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-62-2	Vanadium	1.3	50.0		TRG
RB17	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	L1908-04A		50	mL	Other	50	mL	7440-66-6	Zinc	30.9	60.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7429-90-5	Aluminum	200	200		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-36-0	Antimony	10.5	60.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-38-2	Arsenic	10.0	10.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-39-3	Barium	200	200		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-41-7	Beryllium	0.13	5.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-43-9	Cadmium	5.0	5.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-70-2	Calcium	518	5000		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-47-3	Chromium	10.0	10.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-48-4	Cobalt	50.0	50.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-50-8	Copper	2.1	25.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7439-89-6	Iron	4.7	100		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7439-92-1	Lead	10.0	10.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7439-95-4	Magnesium	5000	5000		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7439-96-5	Manganese	15.0	15.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-02-0	Nickel	40.0	40.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-09-7	Potassium	510	5000		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7782-49-2	Selenium	35.0	35.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-22-4	Silver	1.3	10.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-23-5	Sodium	176	5000		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-28-0	Thallium	25.0	25.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-62-2	Vanadium	1.4	50.0		TRG
	WET	1.0	200.7	09/21/2012	11:00:09	MITKEM	QUANT	MB-68266		50	mL		50	mL	7440-66-6	Zinc	60.0	60.0		TRG
	WET	1.0	7470A	09/24/2012	12:00:09	MITKEM	QUANT	MB-68289		100	mL		100	mL	7439-97-6	Mercury	0.20	0.20		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
RB16	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB16	Y	Y		J-	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y		J-	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y		J-	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y		J-	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	N	U	R	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB17	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	200	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	100	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	15.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	40.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	35.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	10.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	5000	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	25.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	50.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	60.0	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.20	ug/L	ug/L	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

APPENDIX F.14
SPECTRUM ANALYTICAL, INC.: SDG MHOAX7

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NB2-10	MH0AX7	S	Field_Sample	FIELD	MH0AX7	08/20/2012	14:30:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:45:20	T	Initial	LB
NB2-20	MH0AX8	S	Field_Sample	FIELD	MH0AX7	08/20/2012	15:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:48:16	T	Initial	LB
NB2-30	MH0AX9	S	Field_Sample	FIELD	MH0AX7	08/20/2012	16:05:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:51:18	T	Initial	LB
OB1-10	MH0AZ2	S	Field_Sample	FIELD	MH0AX7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:54:11	T	Initial	LB
OB1-20	MH0AZ3	S	Field_Sample	FIELD	MH0AX7	08/21/2012	14:10:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:10:27	T	Initial	LB
OB1-30	MH0AZ4	S	Field_Sample	FIELD	MH0AX7	08/21/2012	15:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:13:16	T	Initial	LB
OB2-10	MH0AZ5	S	Field_Sample	FIELD	MH0AX7	08/22/2012	10:15:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:18:45	T	Initial	LB
OB2-20	MH0AZ6	S	Field_Sample	FIELD	MH0AX7	08/22/2012	10:40:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:21:29	T	Initial	LB
OB2-30	MH0AZ7	S	Field_Sample	FIELD	MH0AX7	08/22/2012	11:30:00	8-082212-140849-0008	08/23/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:24:19	T	Initial	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AX7	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:40:07	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AX7	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:42:52	T	Initial	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AX7	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:32:14	T	Initial	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AX7	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:34:53	T	Initial	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AX7	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:37:39	T	Initial	LB
NB2-40	MH0B60	S	Field_Sample	FIELD	MH0AX7	08/20/2012	17:00:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:16:05	T	Initial	LB
OB1-40	MH0B67	S	Field_Sample	FIELD	MH0AX7	08/21/2012	15:45:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:26:55	T	Initial	LB
OB1-11	MH0B81	S	Field_Sample	FIELD	MH0AX7	08/21/2012	13:50:00	8-082112-174631-0007	08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:29:31	T	Initial	LB
OB1-10	MH0AZ2D	S	Duplicate	FIELD	MH0AX7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:57:04	T	Initial	LB
OB1-10	MH0AZ2S	S	Matrix_Spike	FIELD	MH0AX7	08/21/2012	13:50:00		08/22/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	14:59:51	T	Initial	LB
	PBS12	S	Method_Blank	LAB	MH0AX7								N	C200.7	09/24/2012	14:40:26	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NB2-10	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-01A	17.0	1.15	g	Other	100	mL	7440-57-5	Gold	10.5	10.5		TRG
NB2-20	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-02A	10.1	1.25	g	Other	100	mL	7440-57-5	Gold	8.9	8.9		TRG
NB2-30	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-03A	11.5	1.29	g	Other	100	mL	7440-57-5	Gold	8.8	8.8		TRG
OB1-10	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-04A	19.8	1.11	g	Other	100	mL	7440-57-5	Gold	11.2	11.2		TRG
OB1-20	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-05A	13.6	1.49	g	Other	100	mL	7440-57-5	Gold	7.8	7.8		TRG
OB1-30	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-06A	12.1	1.13	g	Other	100	mL	7440-57-5	Gold	10.1	10.1		TRG
OB2-10	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-08A	19.1	1.49	g	Other	100	mL	7440-57-5	Gold	8.3	8.3		TRG
OB2-20	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-09A	13.4	1.13	g	Other	100	mL	7440-57-5	Gold	10.2	10.2		TRG
OB2-30	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-10A	15.2	1.07	g	Other	100	mL	7440-57-5	Gold	11.0	11.0		TRG
RB1-10	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-16A	10.0	1.11	g	Other	100	mL	7440-57-5	Gold	10.0	10.0		TRG
RB1-20	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-17A	11.9	1.22	g	Other	100	mL	7440-57-5	Gold	9.3	9.3		TRG
RB2-10	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-13A	14.2	1.41	g	Other	100	mL	7440-57-5	Gold	8.3	8.3		TRG
RB2-20	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-14A	10.0	1.17	g	Other	100	mL	7440-57-5	Gold	9.5	9.5		TRG
RB2-30	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-15A	10.7	1.43	g	Other	100	mL	7440-57-5	Gold	7.8	7.8		TRG
NB2-40	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-07A	10.3	1.14	g	Other	100	mL	7440-57-5	Gold	2.3	9.8		TRG
OB1-40	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-11A	11.1	1.19	g	Other	100	mL	7440-57-5	Gold	9.4	9.4		TRG
OB1-11	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-12A	19.6	1.35	g	Other	100	mL	7440-57-5	Gold	9.2	9.2		TRG
OB1-10	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-04ADUP	19.8	1.12	g		100	mL	7440-57-5	Gold	11.1	11.1		TRG
OB1-10	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	L1907-04AMS	19.8	1.1	g		100	mL	7440-57-5	Gold	102	102		SC
	NA	1.0	3050B	09/21/2012	12:00:09	MITKEM	QUANT	MB-68267	0.0	1	g		100	mL	7440-57-5	Gold	10.0	10.0		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NB2-10	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-20	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-30	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-20	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-30	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-10	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-20	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB2-30	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NB2-40	Y	Y	J	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-40	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-11	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OB1-10	Y	Y			N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

APPENDIX F.15
SPECTRUM ANALYTICAL, INC.: SDG MHOAY1

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:07:04	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:17:52	T	Initial	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:19:50	T	Initial	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:12:57	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM1	MH0AY1	S	Field_Sample	FIELD	MH0AY1	08/14/2012	13:10:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:05:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:31:41	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:21:48	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:32:43	T	Initial	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:24:16	T	Initial	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:31:41	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:31:27	T	Reana	LB
NM3	MH0AY5	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:35:28	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7429-90-5	Aluminum	1460	1460		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-36-0	Antimony	2.8	6.5		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-38-2	Arsenic	80.2	80.2		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-39-3	Barium	75.4	75.4		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-41-7	Beryllium	0.22	0.54		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-43-9	Cadmium	3.7	3.7		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-70-2	Calcium	240	542		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-47-3	Chromium	1.1	1.1		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-48-4	Cobalt	1.9	1.9		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-50-8	Copper	74.4	74.4		TRG
NM1	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.22	g	Other	100	mL	7439-89-6	Iron	184000	184000		TRG
NM1	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7439-92-1	Lead	1780	1780		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7439-95-4	Magnesium	73.8	73.8		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7439-96-5	Manganese	115	115		TRG
NM1	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-01A	9.6	0.57	g	Other	100	mL	7439-97-6	Mercury	0.12	0.12		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-02-0	Nickel	2.2	2.2		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-09-7	Potassium	2070	2070		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7782-49-2	Selenium	3.8	3.8		TRG
NM1	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-22-4	Silver	48.5	48.5		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-23-5	Sodium	51.4	542		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-28-0	Thallium	3.1	3.1		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-62-2	Vanadium	5.4	5.4		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01A	9.6	1.02	g	Other	100	mL	7440-66-6	Zinc	729	729		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7429-90-5	Aluminum	1750	1750		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-36-0	Antimony	5.0	6.6		TRG
NM3	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-38-2	Arsenic	234	234		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-39-3	Barium	56.3	56.3		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-41-7	Beryllium	0.11	0.55		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-43-9	Cadmium	45.7	45.7		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-70-2	Calcium	6390	6390		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-47-3	Chromium	0.98	0.98		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-48-4	Cobalt	5.5	5.5		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-50-8	Copper	200	200		TRG
NM3	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.15	g	Other	100	mL	7439-89-6	Iron	126000	126000		TRG
NM3	NA	100.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7439-92-1	Lead	32800	32800		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7439-95-4	Magnesium	591	591		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7439-96-5	Manganese	603	603		TRG
NM3	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-02A	13.1	0.51	g	Other	100	mL	7439-97-6	Mercury	0.62	0.62		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-02-0	Nickel	0.61	0.61		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-09-7	Potassium	3910	3910		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7782-49-2	Selenium	3.8	3.8		TRG
NM3	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-22-4	Silver	81.1	81.1		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-23-5	Sodium	116	548		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-28-0	Thallium	4.3	4.3		TRG
NM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-62-2	Vanadium	5.1	5.5		TRG
NM3	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-02A	13.1	1.05	g	Other	100	mL	7440-66-6	Zinc	7190	7190		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7429-90-5	Aluminum	5630	5630		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-36-0	Antimony	2.1	5.1		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-38-2	Arsenic	126	126		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-39-3	Barium	120	120		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-41-7	Beryllium	0.31	0.42		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM1	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	J	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM3	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:25:29	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:36:39	T	Initial	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:25:45	T	Initial	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:35:21	T	Reana	LB
NM7	MH0AY9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:30:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:39:12	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:42:56	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:29:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:30:13	T	Initial	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:27:14	T	Initial	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:42:56	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:39:10	T	Reana	LB
OM1	MH0AZ8	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:00:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:30:13	T	Initial	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:46:51	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-43-9	Cadmium	6.0	6.0		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-70-2	Calcium	1230	1230		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-47-3	Chromium	3.5	3.5		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-48-4	Cobalt	1.5	1.5		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-50-8	Copper	159	159		TRG
NM7	NA	2.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.02	g	Other	100	mL	7439-89-6	Iron	40600	40600		TRG
NM7	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7439-92-1	Lead	3200	3200		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7439-95-4	Magnesium	964	964		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7439-96-5	Manganese	672	672		TRG
NM7	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-03A	12.6	0.58	g	Other	100	mL	7439-97-6	Mercury	0.087	0.087		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-02-0	Nickel	2.6	2.6		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-09-7	Potassium	1850	1850		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7782-49-2	Selenium	3.0	3.0		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-22-4	Silver	22.4	22.4		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-23-5	Sodium	145	424		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-28-0	Thallium	2.4	2.4		TRG
NM7	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-62-2	Vanadium	26.6	26.6		TRG
NM7	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-03A	12.6	1.35	g	Other	100	mL	7440-66-6	Zinc	1180	1180		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7429-90-5	Aluminum	723	723		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-36-0	Antimony	4.6	4.6		TRG
OM1	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-38-2	Arsenic	380	380		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-39-3	Barium	15.9	15.9		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-41-7	Beryllium	0.057	0.38		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-43-9	Cadmium	63.1	63.1		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-70-2	Calcium	2290	2290		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-47-3	Chromium	0.77	0.77		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-48-4	Cobalt	3.6	3.6		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-50-8	Copper	80.0	80.0		TRG
OM1	NA	50.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.06	g	Other	100	mL	7439-89-6	Iron	374000	374000		TRG
OM1	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7439-92-1	Lead	4030	4030		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7439-95-4	Magnesium	27.3	27.3		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7439-96-5	Manganese	87.1	87.1		TRG
OM1	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-04A	4.5	0.57	g	Other	100	mL	7439-97-6	Mercury	0.20	0.20		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-02-0	Nickel	5.1	5.1		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-09-7	Potassium	538	538		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7782-49-2	Selenium	2.7	2.7		TRG
OM1	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-22-4	Silver	153	153		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-23-5	Sodium	17.4	385		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-28-0	Thallium	1.9	1.9		TRG
OM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-62-2	Vanadium	3.8	3.8		TRG
OM1	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-04A	4.5	1.36	g	Other	100	mL	7440-66-6	Zinc	5600	5600		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7429-90-5	Aluminum	2400	2400		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-36-0	Antimony	3.4	6.8		TRG
OM2	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-38-2	Arsenic	230	230		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-39-3	Barium	178	178		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-41-7	Beryllium	0.079	0.57		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-43-9	Cadmium	2.9	2.9		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-70-2	Calcium	7120	7120		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-47-3	Chromium	2.4	2.4		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-48-4	Cobalt	5.7	5.7		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-50-8	Copper	343	343		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM7	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	J	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM7	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	U*	U	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM1	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	N*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	*E	J-	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y		J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	N	U	R	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	16:09:42	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:33:55	T	Initial	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:28:43	T	Initial	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:46:51	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM2	MH0AZ9	S	Field_Sample	FIELD	MH0AY1	08/14/2012	14:15:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:42:09	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:50:33	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	16:13:24	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:37:36	T	Initial	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:30:12	T	Initial	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:50:33	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:46:00	T	Reana	LB
OM3	MH0B00	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:05:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:50:33	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:54:19	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:40:17	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:40:19	T	Initial	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:31:41	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OM2	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.04	g	Other	100	mL	7439-89-6	Iron	178000	178000		TRG
OM2	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7439-92-1	Lead	11200	11200		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7439-95-4	Magnesium	162	162		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7439-96-5	Manganese	118	118		TRG
OM2	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-05A	21.1	0.54	g	Other	100	mL	7439-97-6	Mercury	0.35	0.35		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-02-0	Nickel	4.6	4.6		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-09-7	Potassium	2900	2900		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7782-49-2	Selenium	4.0	4.0		TRG
OM2	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-22-4	Silver	102	102		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-23-5	Sodium	114	571		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-28-0	Thallium	2.8	2.8		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-62-2	Vanadium	34.6	34.6		TRG
OM2	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-05A	21.1	1.11	g	Other	100	mL	7440-66-6	Zinc	873	873		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7429-90-5	Aluminum	701	701		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-36-0	Antimony	6.3	6.3		TRG
OM3	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-38-2	Arsenic	512	512		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-39-3	Barium	36.6	36.6		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-41-7	Beryllium	0.056	0.52		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-43-9	Cadmium	17.3	17.3		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-70-2	Calcium	898	898		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-47-3	Chromium	1.0	1.0		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-48-4	Cobalt	1.7	1.7		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-50-8	Copper	96.1	96.1		TRG
OM3	NA	40.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.38	g	Other	100	mL	7439-89-6	Iron	340000	340000		TRG
OM3	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7439-92-1	Lead	7770	7770		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7439-95-4	Magnesium	45.3	45.3		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7439-96-5	Manganese	70.3	70.3		TRG
OM3	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-06A	5.3	0.5	g	Other	100	mL	7439-97-6	Mercury	0.34	0.34		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-02-0	Nickel	3.3	3.3		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-09-7	Potassium	1160	1160		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7782-49-2	Selenium	3.7	3.7		TRG
OM3	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-22-4	Silver	216	216		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-23-5	Sodium	27.5	523		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-28-0	Thallium	2.6	2.6		TRG
OM3	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-62-2	Vanadium	5.2	5.2		TRG
OM3	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-06A	5.3	1.01	g	Other	100	mL	7440-66-6	Zinc	1160	1160		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7429-90-5	Aluminum	2670	2670		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-36-0	Antimony	0.98	6.9		TRG
OM4	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-38-2	Arsenic	286	286		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-39-3	Barium	219	219		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-41-7	Beryllium	0.074	0.58		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-43-9	Cadmium	4.0	4.0		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-70-2	Calcium	2760	2760		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-47-3	Chromium	1.5	1.5		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-48-4	Cobalt	0.22	0.22		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-50-8	Copper	153	153		TRG
OM4	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.19	g	Other	100	mL	7439-89-6	Iron	152000	152000		TRG
OM4	NA	40.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7439-92-1	Lead	14400	14400		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7439-95-4	Magnesium	595	595		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7439-96-5	Manganese	177	177		TRG
OM4	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-07A	14.2	0.54	g	Other	100	mL	7439-97-6	Mercury	0.31	0.31		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OM2	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	J	J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	N	J-	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	N	U	R	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	*	J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y	J*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y		J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM2	Y	Y		J-	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	U*	U	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM3	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	N*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	*E	J-	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y		J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	J	J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	N	J-	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:54:19	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM4	MH0B01	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:35:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:49:20	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:58:01	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:43:53	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:05:55	T	Initial	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:58:01	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:36:11	T	Initial	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:58:01	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:53:15	T	Reana	LB
OM5	MH0B02	S	Field_Sample	FIELD	MH0AY1	08/14/2012	11:40:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:01:49	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:47:35	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:47:40	T	Initial	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:37:43	T	Initial	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-02-0	Nickel	0.85	0.85		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-09-7	Potassium	4640	4640		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7782-49-2	Selenium	4.0	4.0		TRG
OM4	NA	3.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-22-4	Silver	119	119		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-23-5	Sodium	192	577		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-28-0	Thallium	4.3	4.3		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-62-2	Vanadium	22.8	22.8		TRG
OM4	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-07A	14.2	1.01	g	Other	100	mL	7440-66-6	Zinc	872	872		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7429-90-5	Aluminum	3500	3500		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-36-0	Antimony	2.6	5.3		TRG
OM5	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-38-2	Arsenic	273	273		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-39-3	Barium	103	103		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-41-7	Beryllium	0.25	0.44		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-43-9	Cadmium	12.0	12.0		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-70-2	Calcium	4980	4980		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-47-3	Chromium	3.2	3.2		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-48-4	Cobalt	1.4	1.4		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-50-8	Copper	313	313		TRG
OM5	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.01	g	Other	100	mL	7439-89-6	Iron	172000	172000		TRG
OM5	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7439-92-1	Lead	18200	18200		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7439-95-4	Magnesium	2560	2560		TRG
OM5	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7439-96-5	Manganese	3870	3870		TRG
OM5	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-08A	12.4	0.51	g	Other	100	mL	7439-97-6	Mercury	0.42	0.42		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-02-0	Nickel	3.4	3.4		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-09-7	Potassium	2310	2310		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7782-49-2	Selenium	3.1	3.1		TRG
OM5	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-22-4	Silver	223	223		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-23-5	Sodium	225	439		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-28-0	Thallium	7.9	7.9		TRG
OM5	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-62-2	Vanadium	80.8	80.8		TRG
OM5	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-08A	12.4	1.3	g	Other	100	mL	7440-66-6	Zinc	3490	3490		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7429-90-5	Aluminum	2000	2000		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-36-0	Antimony	6.4	6.4		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-38-2	Arsenic	60.5	60.5		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-39-3	Barium	124	124		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-41-7	Beryllium	0.13	0.53		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-43-9	Cadmium	1.1	1.1		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-70-2	Calcium	5210	5210		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-47-3	Chromium	0.58	0.58		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-48-4	Cobalt	0.63	0.63		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-50-8	Copper	33.7	33.7		TRG
OM6	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.06	g	Other	100	mL	7439-89-6	Iron	64200	64200		TRG
OM6	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7439-92-1	Lead	2100	2100		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7439-95-4	Magnesium	975	975		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7439-96-5	Manganese	94.6	94.6		TRG
OM6	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-09A	13.9	0.56	g	Other	100	mL	7439-97-6	Mercury	0.14	0.14		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-02-0	Nickel	0.87	0.87		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-09-7	Potassium	3770	3770		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7782-49-2	Selenium	3.7	3.7		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-22-4	Silver	41.6	41.6		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-23-5	Sodium	74.3	533		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OM4	Y	Y	J	J-	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	*	J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y	*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y		J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM4	Y	Y		J-	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	N*	J-	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	*E	J-	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y		J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	J	J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	D	J-	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y		J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	DN	J-	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	J	J-	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	*	J-	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	D*	J-	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	*	J-	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y		J-	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM5	Y	Y	D	J-	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	J	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
OM6	MH0B03	S	Field_Sample	FIELD	MH0AY1	08/14/2012	12:20:00	8-081412-170240-0005	08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:56:28	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:24:27	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:24:27	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	12:53:28	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	16:02:22	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:58:37	T	Initial	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:24:27	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	16:31:31	T	Initial	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:09:40	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:28:12	T	Reana	LB
RB1-10	MH0B28	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:42:37	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:31:54	T	Reana	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	16:17:05	T	Reana	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:45:11	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	12:02:17	T	Initial	LB
RB1-20	MH0B29	S	Field_Sample	FIELD	MH0AY1	08/15/2012	13:55:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:52:40	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-28-0	Thallium	2.2	2.2		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-62-2	Vanadium	18.0	18.0		TRG
OM6	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-09A	13.9	1.09	g	Other	100	mL	7440-66-6	Zinc	874	874		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7429-90-5	Aluminum	2290	2290		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-36-0	Antimony	3.6	5.2		TRG
RB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-38-2	Arsenic	423	423		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-39-3	Barium	40.5	40.5		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-41-7	Beryllium	0.18	0.43		TRG
RB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-43-9	Cadmium	167	167		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-70-2	Calcium	5320	5320		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-47-3	Chromium	1.8	1.8		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-48-4	Cobalt	7.0	7.0		TRG
RB1-10	NA	2.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.36	g	Other	100	mL	7440-50-8	Copper	952	952		TRG
RB1-10	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.36	g	Other	100	mL	7439-89-6	Iron	156000	156000		TRG
RB1-10	NA	200.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7439-92-1	Lead	50800	50800		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7439-95-4	Magnesium	1890	1890		TRG
RB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7439-96-5	Manganese	3550	3550		TRG
RB1-10	NA	2.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-13A	10.0	0.57	g	Other	100	mL	7439-97-6	Mercury	2.4	2.4		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-02-0	Nickel	7.3	7.3		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-09-7	Potassium	1740	1740		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7782-49-2	Selenium	3.0	3.0		TRG
RB1-10	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-22-4	Silver	125	125		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-23-5	Sodium	78.5	434		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-28-0	Thallium	9.3	9.3		TRG
RB1-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-62-2	Vanadium	2.2	4.3		TRG
RB1-10	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-13A	10.0	1.28	g	Other	100	mL	7440-66-6	Zinc	25300	25300		TRG
RB1-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1899-13A	10.0	1.1	g	Other	50	mL	57-12-5	Cyanide	0.50	0.50		TRG
RB1-20	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7429-90-5	Aluminum	16600	16600		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-36-0	Antimony	6.2	6.2		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-38-2	Arsenic	6.2	6.2		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-39-3	Barium	71.0	71.0		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-41-7	Beryllium	0.80	0.80		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-43-9	Cadmium	1.4	1.4		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-70-2	Calcium	24500	24500		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-47-3	Chromium	8.5	8.5		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-48-4	Cobalt	2.0	2.0		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-50-8	Copper	15.9	15.9		TRG
RB1-20	NA	2.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.42	g	Other	100	mL	7439-89-6	Iron	18700	18700		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7439-92-1	Lead	59.4	59.4		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7439-95-4	Magnesium	3240	3240		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7439-96-5	Manganese	253	253		TRG
RB1-20	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-14A	11.9	0.52	g	Other	100	mL	7439-97-6	Mercury	0.017	0.017		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-02-0	Nickel	6.8	6.8		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-09-7	Potassium	1730	1730		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7782-49-2	Selenium	3.6	3.6		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-22-4	Silver	1.0	1.0		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-23-5	Sodium	57.9	516		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-28-0	Thallium	1.0	1.0		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-62-2	Vanadium	19.9	19.9		TRG
RB1-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-14A	11.9	1.1	g	Other	100	mL	7440-66-6	Zinc	298	298		TRG
RB1-20	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1899-14A	11.9	1.16	g	Other	50	mL	57-12-5	Cyanide	0.49	0.49		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
OM6	Y	Y	J*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
OM6	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	DN	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	J	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	D*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	J	J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	U*	UJ	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	J*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-20	Y	Y	UN	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:05:32	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:51:16	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:51:17	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:09:19	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:39:12	T	Initial	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:05:32	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:00:18	T	Reana	LB
RB2-10	MH0B31	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:52:18	T	Initial	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:13:01	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:54:59	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:54:57	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:56:00	T	Initial	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:40:41	T	Initial	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:13:01	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:03:16	T	Reana	LB
RB2-20	MH0B32	S	Field_Sample	FIELD	MH0AY1	08/15/2012	10:35:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:56:00	T	Initial	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:16:58	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7429-90-5	Aluminum	3890	3890		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-36-0	Antimony	1.5	5.7		TRG
RB2-10	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-38-2	Arsenic	210	210		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-39-3	Barium	158	158		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-41-7	Beryllium	0.37	0.47		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-43-9	Cadmium	57.7	57.7		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-70-2	Calcium	16400	16400		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-47-3	Chromium	5.8	5.8		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-48-4	Cobalt	3.3	3.3		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-50-8	Copper	251	251		TRG
RB2-10	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.06	g	Other	100	mL	7439-89-6	Iron	78400	78400		TRG
RB2-10	NA	100.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7439-92-1	Lead	27900	27900		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7439-95-4	Magnesium	6780	6780		TRG
RB2-10	NA	40.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7439-96-5	Manganese	23100	23100		TRG
RB2-10	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-10A	14.2	0.5	g	Other	100	mL	7439-97-6	Mercury	0.77	0.77		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-02-0	Nickel	6.3	6.3		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-09-7	Potassium	2560	2560		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7782-49-2	Selenium	5.4	5.4		TRG
RB2-10	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-22-4	Silver	80.4	80.4		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-23-5	Sodium	145	474		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-28-0	Thallium	28.4	28.4		TRG
RB2-10	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-62-2	Vanadium	14.5	14.5		TRG
RB2-10	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-10A	14.2	1.23	g	Other	100	mL	7440-66-6	Zinc	9830	9830		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7429-90-5	Aluminum	3960	3960		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-36-0	Antimony	1.5	4.7		TRG
RB2-20	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-38-2	Arsenic	177	177		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-39-3	Barium	117	117		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-41-7	Beryllium	0.19	0.39		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-43-9	Cadmium	56.1	56.1		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-70-2	Calcium	5070	5070		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-47-3	Chromium	3.4	3.4		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-48-4	Cobalt	3.4	3.4		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-50-8	Copper	369	369		TRG
RB2-20	NA	10.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.05	g	Other	100	mL	7439-89-6	Iron	99500	99500		TRG
RB2-20	NA	50.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7439-92-1	Lead	14500	14500		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7439-95-4	Magnesium	1740	1740		TRG
RB2-20	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7439-96-5	Manganese	5430	5430		TRG
RB2-20	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-11A	10.0	0.57	g	Other	100	mL	7439-97-6	Mercury	0.49	0.49		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-02-0	Nickel	5.2	5.2		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-09-7	Potassium	1940	1940		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7782-49-2	Selenium	2.8	2.8		TRG
RB2-20	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-22-4	Silver	57.9	57.9		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-23-5	Sodium	141	394		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-28-0	Thallium	9.7	9.7		TRG
RB2-20	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-62-2	Vanadium	10.7	10.7		TRG
RB2-20	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-11A	10.0	1.41	g	Other	100	mL	7440-66-6	Zinc	8890	8890		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7429-90-5	Aluminum	662	662		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-36-0	Antimony	6.1	6.1		TRG
RB2-30	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-38-2	Arsenic	361	361		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-39-3	Barium	2.8	2.8		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-41-7	Beryllium	0.074	0.50		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
RB2-10	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	DN	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	N	J-	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-10	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	JN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	N*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	DN	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-20	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	UN	UJ	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	JN*	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:58:41	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	10:59:40	T	Initial	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:42:09	T	Initial	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:20:44	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:06:33	T	Reana	LB
RB2-30	MH0B33	S	Field_Sample	FIELD	MH0AY1	08/15/2012	11:10:00	8-081512-160236-0006	08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	13:16:58	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/24/2012	15:10:45	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:21:33	T	Initial	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:21:19	T	Initial	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:16:45	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
NM1	MH0AY1D	S	Duplicate	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:09:20	T	Reana	LB
RB1-10	MH0B28D	S	Duplicate	FIELD	MH0AY1	08/15/2012	13:35:00		08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:45:08	T	Initial	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	11:25:19	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-43-9	Cadmium	35.8	35.8		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-70-2	Calcium	1860	1860		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-47-3	Chromium	1.0	1.0		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-48-4	Cobalt	0.24	0.24		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-50-8	Copper	273	273		TRG
RB2-30	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.18	g	Other	100	mL	7439-89-6	Iron	319000	319000		TRG
RB2-30	NA	20.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7439-92-1	Lead	5200	5200		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7439-95-4	Magnesium	104	104		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7439-96-5	Manganese	135	135		TRG
RB2-30	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-12A	10.7	0.55	g	Other	100	mL	7439-97-6	Mercury	0.57	0.57		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-02-0	Nickel	2.1	2.1		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-09-7	Potassium	1510	1510		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7782-49-2	Selenium	3.5	3.5		TRG
RB2-30	NA	10.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-22-4	Silver	340	340		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-23-5	Sodium	182	505		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-28-0	Thallium	0.84	0.84		TRG
RB2-30	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-62-2	Vanadium	5.0	5.0		TRG
RB2-30	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-12A	10.7	1.11	g	Other	100	mL	7440-66-6	Zinc	4300	4300		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7429-90-5	Aluminum	1030	1030		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-36-0	Antimony	6.5	6.5		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-38-2	Arsenic	164	164		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-39-3	Barium	40.8	40.8		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-41-7	Beryllium	0.14	0.54		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-43-9	Cadmium	12.0	12.0		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-70-2	Calcium	620	620		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-47-3	Chromium	1.1	1.1		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-48-4	Cobalt	2.2	2.2		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-50-8	Copper	52.7	52.7		TRG
NM1	NA	20.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.22	g		100	mL	7439-89-6	Iron	210000	210000		TRG
NM1	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7439-92-1	Lead	1210	1210		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7439-95-4	Magnesium	82.6	82.6		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7439-96-5	Manganese	96.6	96.6		TRG
NM1	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	0.55	g		100	mL	7439-97-6	Mercury	0.13	0.13		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-02-0	Nickel	2.7	2.7		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-09-7	Potassium	1380	1380		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7782-49-2	Selenium	3.8	3.8		TRG
NM1	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-22-4	Silver	70.3	70.3		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-23-5	Sodium	36.2	542		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-28-0	Thallium	2.7	2.7		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-62-2	Vanadium	5.4	5.4		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01ADUF	9.6	1.02	g		100	mL	7440-66-6	Zinc	732	732		TRG
RB1-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1899-13ADUF	10.0	1.11	g		50	mL	57-12-5	Cyanide	0.50	0.50		TRG
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-36-0	Antimony	7.6	7.6		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-38-2	Arsenic	101	101		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-39-3	Barium	83.8	83.8		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-41-7	Beryllium	10.4	10.4		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-43-9	Cadmium	16.1	16.1		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-47-3	Chromium	42.2	42.2		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-48-4	Cobalt	111	111		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-50-8	Copper	122	122		SC
NM1	NA	5.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7439-92-1	Lead	2030	2030		SC

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
RB2-30	Y	Y	*E	J	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	N	J	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	*	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	UN	R	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	D*	J	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	J*	J	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB2-30	Y	Y	D		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	N	U	U	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*		N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*		N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D		N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D*		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	*		N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D*		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	U*	U	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	N	U	R	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	N		N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	N		N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE

SYS SAMPLE CODE	SAMPLE NAME	SAMPLE MATRIX CODE	SAMPLE TYPE CODE	SAMPLE SOURCE	SAMPLE DEL GROUP	SAMPLE DATE	SAMPLE TIME	CHAIN OF CUSTODY	SENT TO LAB DATE	SAMPLE RECEIPT DATE	SAMPLER	SAMPLING COMPANY CODE	COMPOSITE YN	LAB ANL METHOD CODE	ANALYSIS DATE	ANALYSIS TIME	TOTAL OR DISSOLVED	TEST TYPE	ANAL LOCATION
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	CV	09/25/2012	15:22:48	T	Initial	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	16:20:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
NM1	MH0AY1S	S	Matrix_Spike	FIELD	MH0AY1	08/14/2012	13:10:00		08/15/2012	09/08/2012	Joe Shields	HDR Enginee	N	C200.7	09/20/2012	15:12:39	T	Reana	LB
RB1-10	MH0B28S	S	Matrix_Spike	FIELD	MH0AY1	08/15/2012	13:35:00		08/16/2012	09/08/2012	Joe Shields	HDR Enginee	N	AS	09/19/2012	11:47:38	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS01	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/20/2012	09:49:48	T	Initial	LB
	PBS09	S	Method_Blank	LAB	MH0AY1								N	C200.7	09/24/2012	14:56:59	T	Initial	LB
	PBS17	S	Method_Blank	LAB	MH0AY1								N	CV	09/25/2012	15:18:20	T	Initial	LB
	PBS47	S	Method_Blank	LAB	MH0AY1								N	AS	09/19/2012	10:59:56	T	Initial	LB

SYS SAMPLE CODE	BASIS	DILUTION FACTOR	PREP METHOD NAME	PREP DATE	PREP TIME	LAB NAME CODE	QC LEVEL	LAB SAMPLE ID	PERCENT MOISTURE	SUBSAMPLE AMOUNT	SUBSAMPLE AMOUNT UNIT	PRESERVATIVE	FINAL VOLUME	FINAL VOLUME UNIT	CAS_RN	CHEMICAL NAME	RESULT VALUE	VALIDATOR RESULTS	RESULT ERROR DELTA	RESULT TYPE CODE
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7439-96-5	Manganese	281	281		SC
NM1	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	L1899-01AMS	9.6	0.56	g		100	mL	7439-97-6	Mercury	0.60	0.60		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-02-0	Nickel	109	109		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7782-49-2	Selenium	3.8	3.8		SC
NM1	NA	2.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-22-4	Silver	80.8	80.8		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-28-0	Thallium	12.5	12.5		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-62-2	Vanadium	101	101		SC
NM1	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	L1899-01AMS	9.6	1.02	g		100	mL	7440-66-6	Zinc	755	755		SC
RB1-10	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	L1899-13AMS	10.0	1.1	g		50	mL	57-12-5	Cyanide	0.47	0.47		SC
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7429-90-5	Aluminum	20.0	20.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-36-0	Antimony	4.0	6.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-38-2	Arsenic	1.0	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-39-3	Barium	20.0	20.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-41-7	Beryllium	0.50	0.50		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-43-9	Cadmium	0.50	0.50		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-70-2	Calcium	32.3	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-47-3	Chromium	1.0	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-48-4	Cobalt	5.0	5.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-50-8	Copper	1.1	2.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7439-92-1	Lead	0.48	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7439-95-4	Magnesium	500	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7439-96-5	Manganese	1.5	1.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-02-0	Nickel	4.0	4.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-09-7	Potassium	28.8	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7782-49-2	Selenium	3.5	3.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-22-4	Silver	1.0	1.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-23-5	Sodium	9.0	500		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-28-0	Thallium	2.5	2.5		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-62-2	Vanadium	5.0	5.0		TRG
	NA	1.0	3050B	09/14/2012	10:00:09	MITKEM	QUANT	MB-68138	0.0	1	g		100	mL	7440-66-6	Zinc	1.6	1.6		TRG
	NA	1.0	3050B	09/21/2012	10:00:09	MITKEM	QUANT	MB-68254	0.0	1	g		100	mL	7439-89-6	Iron	10.0	10.0		TRG
	NA	1.0	7471B	09/25/2012	13:00:09	MITKEM	QUANT	MB-68319	0.0	0.5	g		100	mL	7439-97-6	Mercury	0.10	0.10		TRG
	NA	1.0	Midi-distillati	09/14/2012	11:00:09	MITKEM	QUANT	MB-68156	0.0	1	g		50	mL	57-12-5	Cyanide	0.50	0.50		TRG

SYS SAMPLE CODE	REPORTABLE RESULT	DETECT FLAG	LAB QUALIFIERS	VALIDATOR QUALIFIERS	ORGANIC YN	REPORTING DETECTION LIMIT	RESULT UNIT	DETECTION LIMIT UNIT	FRACTION	LABNAME	CASE	SOW	DATA VAL LABEL
NM1	Y	Y	N		N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y		J-	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	UN	U	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y	D		N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
NM1	Y	Y			N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
RB1-10	Y	Y	JN	J-	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	20.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	4.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	3.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	1.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	U	N	500	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	2.5	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	5.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	Y	J	J	N	6.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	10.0	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.10	mg/kg	mg/kg	M	Mitkem Laboratories	42772	ISM01.3	S2BVE
	Y	N	U	U	N	0.50	mg/kg	mg/kg	C	Mitkem Laboratories	42772	ISM01.3	S2BVE

APPENDIX F.16

TESTAMERICA: SDG 280-31994-2 (SULFUR)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
G-18	NSH	280-31994-2	280-31994-1	Solid	SA	8/7/2012 9:00	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 12:49	SW846 6010B	490-25129	Total	1
R-11	NSH	280-31994-2	280-31994-10	Solid	SA	8/7/2012 12:50	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:31	SW846 6010B	490-25129	Total	5
R-10	NSH	280-31994-2	280-31994-11	Solid	SA	8/7/2012 13:00	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:35	SW846 6010B	490-25129	Total	1
R-17	NSH	280-31994-2	280-31994-12	Solid	SA	8/7/2012 14:35	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:38	SW846 6010B	490-25129	Total	1
R-21	NSH	280-31994-2	280-31994-13	Solid	SA	8/7/2012 15:10	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:53	SW846 6010B	490-25129	Total	1
R-12	NSH	280-31994-2	280-31994-14	Solid	SA	8/7/2012 15:30	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:57	SW846 6010B	490-25129	Total	5
R-5	NSH	280-31994-2	280-31994-15	Solid	SA	8/7/2012 15:50	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 14:01	SW846 6010B	490-25129	Total	1
G-1	NSH	280-31994-2	280-31994-16	Solid	SA	8/7/2012 14:45	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 14:04	SW846 6010B	490-25129	Total	1
G-1	NSH	280-31994-2	280-31994-16	Solid	MS	8/7/2012 14:45	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 14:07	SW846 6010B	490-25129	Total	1
G-1	NSH	280-31994-2	280-31994-16	Solid	MSD	8/7/2012 14:45	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 14:11	SW846 6010B	490-25129	Total	1
G-20	NSH	280-31994-2	280-31994-17	Solid	SA	8/7/2012 14:45	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 14:14	SW846 6010B	490-25129	Total	1
G-8	NSH	280-31994-2	280-31994-2	Solid	SA	8/7/2012 9:35	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 12:52	SW846 6010B	490-25129	Total	5
G-2	NSH	280-31994-2	280-31994-3	Solid	SA	8/7/2012 10:15	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:07	SW846 6010B	490-25129	Total	10
G-13	NSH	280-31994-2	280-31994-4	Solid	SA	8/7/2012 10:40	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:11	SW846 6010B	490-25129	Total	5
G-17	NSH	280-31994-2	280-31994-5	Solid	SA	8/7/2012 11:00	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:14	SW846 6010B	490-25129	Total	1
G-4	NSH	280-31994-2	280-31994-6	Solid	SA	8/7/2012 13:00	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:18	SW846 6010B	490-25129	Total	10
G-3	NSH	280-31994-2	280-31994-7	Solid	SA	8/7/2012 13:45	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:21	SW846 6010B	490-25129	Total	1
G-6	NSH	280-31994-2	280-31994-8	Solid	SA	8/7/2012 15:15	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:25	SW846 6010B	490-25129	Total	1
G-7	NSH	280-31994-2	280-31994-9	Solid	SA	8/7/2012 15:30	8/9/2012 9:00	10/3/2012 9:42	10/4/2012 13:28	SW846 6010B	490-25129	Total	5
CHECK SAMPLE	NSH	280-31994-2	LCS 490-25129/2-A	Solid	LCS	10/3/2012 9:42	10/3/2012 9:42	10/3/2012 9:42	10/4/2012 12:45	SW846 6010B	490-25129	Total	1
INTRA-LAB BLANK	NSH	280-31994-2	MB 490-25129/1-A	Solid	MB	10/3/2012 9:42	10/3/2012 9:42	10/3/2012 9:42	10/4/2012 12:42	SW846 6010B	490-25129	Total	1

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
G-18	12.4	Sulfur	7704-34-9	Target	16000				mg/Kg	56	17					
R-11	15.6	Sulfur	7704-34-9	Target	61000				mg/Kg	290	87					
R-10	13.1	Sulfur	7704-34-9	Target	3800				mg/Kg	57	17					
R-17	10.2	Sulfur	7704-34-9	Target	8400				mg/Kg	53	16					
R-21	15.5	Sulfur	7704-34-9	Target	13000				mg/Kg	59	18					
R-12	12.5	Sulfur	7704-34-9	Target	77000				mg/Kg	280	83					
R-5	13.7	Sulfur	7704-34-9	Target	15000				mg/Kg	58	18					
G-1	12.5	Sulfur	7704-34-9	Target	14000				mg/Kg	55	17					
G-1	12.5	Sulfur	7704-34-9	Target	24700		457	E 4	mg/Kg	57	17	2340	21	75	125	20
G-1	12.5	Sulfur	7704-34-9	Target	19900		435	4 F	mg/Kg	54	16	1360	21	75	125	20
G-20	13.2	Sulfur	7704-34-9	Target	17000				mg/Kg	56	17					
G-8	13.9	Sulfur	7704-34-9	Target	44000				mg/Kg	290	88					
G-2	14.9	Sulfur	7704-34-9	Target	110000				mg/Kg	580	170					
G-13	14.7	Sulfur	7704-34-9	Target	58000				mg/Kg	280	84					
G-17	25.2	Sulfur	7704-34-9	Target	680				mg/Kg	67	20					
G-4	12.2	Sulfur	7704-34-9	Target	240000				mg/Kg	570	170					
G-3	12.1	Sulfur	7704-34-9	Target	6300				mg/Kg	54	16					
G-6	19.4	Sulfur	7704-34-9	Target	5100				mg/Kg	61	18					
G-7	11	Sulfur	7704-34-9	Target	73000				mg/Kg	270	80					
CHECK SAMPLE		Sulfur	7704-34-9	Target	397		404		mg/Kg	51	15	98		80	120	
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	49	15					

APPENDIX F.17

TESTAMERICA: SDG 280-32217-2 (SULFUR)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
RB2-10	NSH	280-32217-2	280-32217-1	Solid	MS	8/15/2012 10:10	8/16/2012 9:54	9/28/2012 10:08	10/2/2012 21:39	SW846 6010B	490-23901	Total	1
RB2-10	NSH	280-32217-2	280-32217-1	Solid	MSD	8/15/2012 10:10	8/16/2012 9:54	9/28/2012 10:08	10/2/2012 21:42	SW846 6010B	490-23901	Total	1
RB2-10	NSH	280-32217-2	280-32217-1	Solid	SA	8/15/2012 10:10	8/16/2012 9:54	9/28/2012 10:08	10/2/2012 21:35	SW846 6010B	490-23901	Total	2
RB2-20	NSH	280-32217-2	280-32217-2	Solid	SA	8/15/2012 10:35	8/16/2012 9:54	9/28/2012 10:08	10/2/2012 21:46	SW846 6010B	490-23901	Total	10
RB2-30	NSH	280-32217-2	280-32217-3	Solid	SA	8/15/2012 11:10	8/16/2012 9:54	9/28/2012 10:08	10/2/2012 21:49	SW846 6010B	490-23901	Total	100
RB1-10	NSH	280-32217-2	280-32217-6	Solid	SA	8/15/2012 13:35	8/16/2012 9:54	9/28/2012 10:08	10/2/2012 21:52	SW846 6010B	490-23901	Total	10
RB1-20	NSH	280-32217-2	280-32217-7	Solid	SA	8/15/2012 13:55	8/16/2012 9:54	9/26/2012 9:55	10/2/2012 17:10	SW846 6010B	490-23160	Total	1
CHECK SAMPLE	NSH	280-32217-2	LCS 490-23160/2-A	Solid	LCS	9/26/2012 9:55	9/26/2012 9:55	9/26/2012 9:55	10/2/2012 17:07	SW846 6010B	490-23160	Total	1
CHECK SAMPLE	NSH	280-32217-2	LCS 490-23901/2-A	Solid	LCS	9/28/2012 10:08	9/28/2012 10:08	9/28/2012 10:08	10/2/2012 20:49	SW846 6010B	490-23901	Total	1
INTRA-LAB BLANK	NSH	280-32217-2	MB 490-23160/1-A	Solid	MB	9/26/2012 9:55	9/26/2012 9:55	9/26/2012 9:55	10/2/2012 17:04	SW846 6010B	490-23160	Total	1
INTRA-LAB BLANK	NSH	280-32217-2	MB 490-23901/1-A	Solid	MB	9/28/2012 10:08	9/28/2012 10:08	9/28/2012 10:08	10/2/2012 20:46	SW846 6010B	490-23901	Total	1

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
RB2-10	13	Sulfur	7704-34-9	Target	43600		445	E 4	mg/Kg	56	17	641	5	75	125	20
RB2-10	13	Sulfur	7704-34-9	Target	45900		455	E 4	mg/Kg	57	17	1131	5	75	125	20
RB2-10	13	Sulfur	7704-34-9	Target	41000				mg/Kg	120	35					
RB2-20	10.4	Sulfur	7704-34-9	Target	150000				mg/Kg	530	160					
RB2-30	8.9	Sulfur	7704-34-9	Target	360000				mg/Kg	5500	1700					
RB1-10	10	Sulfur	7704-34-9	Target	150000				mg/Kg	540	160					
RB1-20	15.1	Sulfur	7704-34-9	Target	310				mg/Kg	59	18					
CHECK SAMPLE		Sulfur	7704-34-9	Target	424		401		mg/Kg	50	15	106		80	120	
CHECK SAMPLE		Sulfur	7704-34-9	Target	406		388		mg/Kg	48	15	105		80	120	
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	49	15					
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	49	15					

APPENDIX F.18
TESTAMERICA: SDG 280-32481-4 (SULFUR)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
OB2-20	NSH	280-32481-4	280-32481-15	Solid	MS	8/22/2012 10:40	8/23/2012 9:45	10/4/2012 8:04	10/4/2012 10:59	SW846 6010B	490-25433	Total	1
OB2-20	NSH	280-32481-4	280-32481-15	Solid	MSD	8/22/2012 10:40	8/23/2012 9:45	10/4/2012 8:04	10/4/2012 11:03	SW846 6010B	490-25433	Total	1
NB2-10	NSH	280-32481-4	280-32481-1	Solid	SA	8/20/2012 14:30	8/23/2012 9:15	10/3/2012 9:42	10/4/2012 14:17	SW846 6010B	490-25129	Total	5
OB1-30	NSH	280-32481-4	280-32481-10	Solid	SA	8/21/2012 15:00	8/23/2012 9:15	10/3/2012 9:37	10/4/2012 16:31	SW846 6010B	490-25128	Total	2
OB1-40	NSH	280-32481-4	280-32481-11	Solid	SA	8/21/2012 15:45	8/23/2012 9:15	10/3/2012 9:40	10/4/2012 16:35	SW846 6010B	490-25128	Total	1
OB2-10	NSH	280-32481-4	280-32481-14	Solid	SA	8/22/2012 10:15	8/23/2012 9:45	10/3/2012 9:40	10/4/2012 16:38	SW846 6010B	490-25128	Total	5
OB2-20	NSH	280-32481-4	280-32481-15	Solid	SA	8/22/2012 10:40	8/23/2012 9:45	10/4/2012 8:04	10/4/2012 10:56	SW846 6010B	490-25433	Total	1
OB2-30	NSH	280-32481-4	280-32481-16	Solid	SA	8/22/2012 11:30	8/23/2012 9:45	10/4/2012 8:04	10/4/2012 11:06	SW846 6010B	490-25433	Total	1
NB2-20	NSH	280-32481-4	280-32481-2	Solid	SA	8/20/2012 15:05	8/23/2012 9:15	10/3/2012 9:42	10/4/2012 14:21	SW846 6010B	490-25129	Total	2
NB2-30	NSH	280-32481-4	280-32481-3	Solid	SA	8/20/2012 16:05	8/23/2012 9:15	10/3/2012 9:42	10/4/2012 14:24	SW846 6010B	490-25129	Total	100
NB2-40	NSH	280-32481-4	280-32481-4	Solid	SA	8/20/2012 17:00	8/23/2012 9:15	10/3/2012 9:37	10/4/2012 15:58	SW846 6010B	490-25128	Total	1
OB1-10	NSH	280-32481-4	280-32481-7	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	10/3/2012 9:37	10/4/2012 16:14	SW846 6010B	490-25128	Total	10
OB1-10	NSH	280-32481-4	280-32481-7	Solid	MS	8/21/2012 13:50	8/23/2012 9:15	10/3/2012 9:37	10/4/2012 16:18	SW846 6010B	490-25128	Total	1
OB1-10	NSH	280-32481-4	280-32481-7	Solid	MSD	8/21/2012 13:50	8/23/2012 9:15	10/3/2012 9:37	10/4/2012 16:21	SW846 6010B	490-25128	Total	1
OB1-11	NSH	280-32481-4	280-32481-8	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	10/3/2012 9:37	10/4/2012 16:24	SW846 6010B	490-25128	Total	5
OB1-20	NSH	280-32481-4	280-32481-9	Solid	SA	8/21/2012 14:10	8/23/2012 9:15	10/3/2012 9:37	10/4/2012 16:28	SW846 6010B	490-25128	Total	100
CHECK SAMPLE	NSH	280-32481-4	LCS 490-25128/2-A	Solid	LCS	10/3/2012 9:37	10/3/2012 9:37	10/3/2012 9:37	10/4/2012 14:52	SW846 6010B	490-25128	Total	1
CHECK SAMPLE	NSH	280-32481-4	LCS 490-25129/2-A	Solid	LCS	10/3/2012 9:42	10/3/2012 9:42	10/3/2012 9:42	10/4/2012 12:45	SW846 6010B	490-25129	Total	1
CHECK SAMPLE	NSH	280-32481-4	LCS 490-25433/2-A	Solid	LCS	10/4/2012 8:04	10/4/2012 8:04	10/4/2012 8:04	10/4/2012 10:50	SW846 6010B	490-25433	Total	1
INTRA-LAB BLANK	NSH	280-32481-4	MB 490-25128/1-A	Solid	MB	10/3/2012 9:37	10/3/2012 9:37	10/3/2012 9:37	10/4/2012 14:48	SW846 6010B	490-25128	Total	1
INTRA-LAB BLANK	NSH	280-32481-4	MB 490-25129/1-A	Solid	MB	10/3/2012 9:42	10/3/2012 9:42	10/3/2012 9:42	10/4/2012 12:42	SW846 6010B	490-25129	Total	1
INTRA-LAB BLANK	NSH	280-32481-4	MB 490-25433/1-A	Solid	MB	10/4/2012 8:04	10/4/2012 8:04	10/4/2012 8:04	10/4/2012 10:46	SW846 6010B	490-25433	Total	1

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
OB2-20	18.5	Sulfur	7704-34-9	Target	7840		490	4	mg/Kg	61	18	459	21	75	125	20
OB2-20	18.5	Sulfur	7704-34-9	Target	6370		473	4 F	mg/Kg	59	18	163	21	75	125	20
NB2-10	15.5	Sulfur	7704-34-9	Target	55000				mg/Kg	280	85					
OB1-30	15.7	Sulfur	7704-34-9	Target	26000				mg/Kg	120	36					
OB1-40	8.1	Sulfur	7704-34-9	Target	1200				mg/Kg	55	16					
OB2-10	15.1	Sulfur	7704-34-9	Target	86000				mg/Kg	280	85					
OB2-20	18.5	Sulfur	7704-34-9	Target	5600				mg/Kg	58	18					
OB2-30	12.4	Sulfur	7704-34-9	Target	470				mg/Kg	58	17					
NB2-20	11.2	Sulfur	7704-34-9	Target	30000				mg/Kg	110	33					
NB2-30	10.9	Sulfur	7704-34-9	Target	270000				mg/Kg	5500	1600					
NB2-40	8.9	Sulfur	7704-34-9	Target	3600				mg/Kg	52	16					
OB1-10	17.5	Sulfur	7704-34-9	Target	100000				mg/Kg	580	170					
OB1-10	17.5	Sulfur	7704-34-9	Target	77100		462	E 4	mg/Kg	58	17	-5567	1	75	125	20
OB1-10	17.5	Sulfur	7704-34-9	Target	77600		465	E 4	mg/Kg	58	17	-5415	1	75	125	20
OB1-11	17.8	Sulfur	7704-34-9	Target	65000				mg/Kg	290	88					
OB1-20	15.1	Sulfur	7704-34-9	Target	260000				mg/Kg	5600	1700					
CHECK SAMPLE		Sulfur	7704-34-9	Target	417		394		mg/Kg	49	15	106		80	120	
CHECK SAMPLE		Sulfur	7704-34-9	Target	397		404		mg/Kg	51	15	98		80	120	
CHECK SAMPLE		Sulfur	7704-34-9	Target	355		389		mg/Kg	49	15	91		80	120	
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	48	15					
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	49	15					
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	49	15					

APPENDIX F.19
TESTAMERICA: SDG 280-32278-2 (SULFUR)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
GB2-40	NSH	280-32278-2	280-32278-1	Solid	SA	8/14/2012 9:30	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:14	SW846 6010B	490-23160	Total	2
OM-5	NSH	280-32278-2	280-32278-11	Solid	SA	8/14/2012 11:40	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:00	SW846 6010B	490-23160	Total	5
OM-3	NSH	280-32278-2	280-32278-12	Solid	SA	8/14/2012 12:05	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:15	SW846 6010B	490-23160	Total	100
OM-6	NSH	280-32278-2	280-32278-13	Solid	SA	8/14/2012 12:20	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:18	SW846 6010B	490-23160	Total	1
OM-4	NSH	280-32278-2	280-32278-14	Solid	SA	8/14/2012 12:35	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:22	SW846 6010B	490-23160	Total	5
NM-1	NSH	280-32278-2	280-32278-15	Solid	SA	8/14/2012 13:10	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:25	SW846 6010B	490-23160	Total	5
NM-1	NSH	280-32278-2	280-32278-15	Solid	MS	8/14/2012 13:10	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:29	SW846 6010B	490-23160	Total	1
NM-1	NSH	280-32278-2	280-32278-15	Solid	MSD	8/14/2012 13:10	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:32	SW846 6010B	490-23160	Total	1
NM-11	NSH	280-32278-2	280-32278-16	Solid	SA	8/14/2012 13:11	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:36	SW846 6010B	490-23160	Total	10
NM-2	NSH	280-32278-2	280-32278-17	Solid	SA	8/14/2012 13:30	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:39	SW846 6010B	490-23160	Total	5
OM-1	NSH	280-32278-2	280-32278-18	Solid	SA	8/14/2012 14:00	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:42	SW846 6010B	490-23160	Total	100
OM-2	NSH	280-32278-2	280-32278-19	Solid	SA	8/14/2012 14:15	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 18:46	SW846 6010B	490-23160	Total	2
GB1-10	NSH	280-32278-2	280-32278-2	Solid	SA	8/14/2012 9:30	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:29	SW846 6010B	490-23160	Total	2
NM-7	NSH	280-32278-2	280-32278-20	Solid	SA	8/14/2012 14:20	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 19:05	SW846 6010B	490-23160	Total	1
GB1-10	NSH	280-32278-2	280-32278-2	Solid	MS	8/14/2012 9:30	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:32	SW846 6010B	490-23160	Total	1
GB1-10	NSH	280-32278-2	280-32278-2	Solid	MSD	8/14/2012 9:30	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:36	SW846 6010B	490-23160	Total	1
GB1-20	NSH	280-32278-2	280-32278-3	Solid	SA	8/14/2012 10:15	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:39	SW846 6010B	490-23160	Total	1
GB1-30	NSH	280-32278-2	280-32278-4	Solid	SA	8/14/2012 10:55	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:43	SW846 6010B	490-23160	Total	1
GB2-10	NSH	280-32278-2	280-32278-5	Solid	SA	8/14/2012 13:00	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:46	SW846 6010B	490-23160	Total	1
GB2-20	NSH	280-32278-2	280-32278-6	Solid	SA	8/14/2012 13:35	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:50	SW846 6010B	490-23160	Total	100
GB2-30	NSH	280-32278-2	280-32278-7	Solid	SA	8/14/2012 14:30	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:53	SW846 6010B	490-23160	Total	1
NM3	NSH	280-32278-2	280-32278-8	Solid	SA	8/14/2012 14:40	8/17/2012 9:00	9/26/2012 9:55	10/2/2012 17:57	SW846 6010B	490-23160	Total	5
CHECK SAMPLE	NSH	280-32278-2	LCS 490-23160/2-A	Solid	LCS	9/26/2012 9:55	9/26/2012 9:55	9/26/2012 9:55	10/2/2012 17:07	SW846 6010B	490-23160	Total	1
INTRA-LAB BLANK	NSH	280-32278-2	MB 490-23160/1-A	Solid	MB	9/26/2012 9:55	9/26/2012 9:55	9/26/2012 9:55	10/2/2012 17:04	SW846 6010B	490-23160	Total	1

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
GB2-40	17.6	Sulfur	7704-34-9	Target	39000				mg/Kg	120	36					
OM-5	12.9	Sulfur	7704-34-9	Target	87000				mg/Kg	280	84					
OM-3	5.3	Sulfur	7704-34-9	Target	350000				mg/Kg	5100	1500					
OM-6	13.3	Sulfur	7704-34-9	Target	21000				mg/Kg	55	17					
OM-4	15.8	Sulfur	7704-34-9	Target	99000				mg/Kg	300	89					
NM-1	9.9	Sulfur	7704-34-9	Target	79000				mg/Kg	270	80					
NM-1	9.9	Sulfur	7704-34-9	Target	112000		423	E 4	mg/Kg	53	16	7672	0	75	125	20
NM-1	9.9	Sulfur	7704-34-9	Target	112000		424	E 4	mg/Kg	53	16	7724	0	75	125	20
NM-11	10.2	Sulfur	7704-34-9	Target	130000				mg/Kg	560	170					
NM-2	13.3	Sulfur	7704-34-9	Target	54000				mg/Kg	290	87					
OM-1	4.5	Sulfur	7704-34-9	Target	360000				mg/Kg	5300	1600					
OM-2	13.7	Sulfur	7704-34-9	Target	29000				mg/Kg	110	34					
GB1-10	16.9	Sulfur	7704-34-9	Target	27000				mg/Kg	120	36					
NM-7	13.4	Sulfur	7704-34-9	Target	11000				mg/Kg	55	16					
GB1-10	16.9	Sulfur	7704-34-9	Target	32600		474	E 4	mg/Kg	59	18	1103	1	75	125	20
GB1-10	16.9	Sulfur	7704-34-9	Target	32900		481	E 4	mg/Kg	60	18	1148	1	75	125	20
GB1-20	14.1	Sulfur	7704-34-9	Target	5800				mg/Kg	57	17					
GB1-30	13.8	Sulfur	7704-34-9	Target	5400				mg/Kg	58	17					
GB2-10	13.7	Sulfur	7704-34-9	Target	21000				mg/Kg	55	17					
GB2-20	8.9	Sulfur	7704-34-9	Target	350000				mg/Kg	5500	1700					
GB2-30	9.9	Sulfur	7704-34-9	Target	1700				mg/Kg	55	16					
NM3	12.8	Sulfur	7704-34-9	Target	45000				mg/Kg	280	85					
CHECK SAMPLE		Sulfur	7704-34-9	Target	424		401		mg/Kg	50	15	106		80	120	
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	49	15					

APPENDIX F.20
TESTAMERICA: SDG 280-32025-2 (SULFUR)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
R-9	NSH	280-32025-2	280-32025-10	Solid	SA	8/8/2012 11:10	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:47	SW846 6010B	490-24972	Total	1
R-8	NSH	280-32025-2	280-32025-8	Solid	SA	8/8/2012 10:55	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:40	SW846 6010B	490-24972	Total	1
R-7	NSH	280-32025-2	280-32025-7	Solid	SA	8/8/2012 10:40	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:37	SW846 6010B	490-24972	Total	1
R-6	NSH	280-32025-2	280-32025-4	Solid	SA	8/8/2012 10:00	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:26	SW846 6010B	490-24972	Total	1
R-4	NSH	280-32025-2	280-32025-12	Solid	MS	8/8/2012 11:45	8/10/2012 9:00	9/26/2012 9:52	10/2/2012 15:17	SW846 6010B	490-23157	Total	1
R-4	NSH	280-32025-2	280-32025-12	Solid	MSD	8/8/2012 11:45	8/10/2012 9:00	9/26/2012 9:52	10/2/2012 15:21	SW846 6010B	490-23157	Total	1
R-4	NSH	280-32025-2	280-32025-12	Solid	SA	8/8/2012 11:45	8/10/2012 9:00	9/26/2012 9:52	10/2/2012 15:13	SW846 6010B	490-23157	Total	2
R-3	NSH	280-32025-2	280-32025-14	Solid	SA	8/8/2012 12:00	8/10/2012 9:00	9/26/2012 9:52	10/2/2012 15:28	SW846 6010B	490-23157	Total	1
R-22	NSH	280-32025-2	280-32025-2	Solid	SA	8/8/2012 9:16	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:08	SW846 6010B	490-24972	Total	1
R-20	NSH	280-32025-2	280-32025-9	Solid	SA	8/8/2012 10:55	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:44	SW846 6010B	490-24972	Total	1
R-2	NSH	280-32025-2	280-32025-16	Solid	SA	8/8/2012 12:15	8/10/2012 9:00	9/26/2012 9:52	10/2/2012 15:35	SW846 6010B	490-23157	Total	5
R-19	NSH	280-32025-2	280-32025-6	Solid	SA	8/8/2012 10:30	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:33	SW846 6010B	490-24972	Total	1
R-18	NSH	280-32025-2	280-32025-3	Solid	SA	8/8/2012 9:40	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:23	SW846 6010B	490-24972	Total	1
R-16	NSH	280-32025-2	280-32025-15	Solid	SA	8/8/2012 12:10	8/10/2012 9:00	9/26/2012 9:52	10/2/2012 15:31	SW846 6010B	490-23157	Total	1
R-15	NSH	280-32025-2	280-32025-13	Solid	SA	8/8/2012 11:55	8/10/2012 9:00	9/26/2012 9:52	10/2/2012 15:24	SW846 6010B	490-23157	Total	2
R-14	NSH	280-32025-2	280-32025-11	Solid	SA	8/8/2012 11:40	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:51	SW846 6010B	490-24972	Total	1
R-13	NSH	280-32025-2	280-32025-5	Solid	SA	8/8/2012 10:10	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:30	SW846 6010B	490-24972	Total	1
R-1	NSH	280-32025-2	280-32025-1	Solid	SA	8/8/2012 9:15	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 15:57	SW846 6010B	490-24972	Total	1
R-1	NSH	280-32025-2	280-32025-1	Solid	MS	8/8/2012 9:15	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:01	SW846 6010B	490-24972	Total	1
R-1	NSH	280-32025-2	280-32025-1	Solid	MSD	8/8/2012 9:15	8/10/2012 9:00	10/2/2012 15:36	10/5/2012 16:04	SW846 6010B	490-24972	Total	1
INTRA-LAB BLANK	NSH	280-32025-2	MB 490-23157/1-A	Solid	MB	9/26/2012 9:52	9/26/2012 9:52	9/26/2012 9:52	10/2/2012 15:06	SW846 6010B	490-23157	Total	1
INTRA-LAB BLANK	NSH	280-32025-2	MB 490-24972/1-A	Solid	MB	10/2/2012 15:36	10/2/2012 15:36	10/2/2012 15:36	10/5/2012 15:51	SW846 6010B	490-24972	Total	1
CHECK SAMPLE	NSH	280-32025-2	LCS 490-23157/2-A	Solid	LCS	9/26/2012 9:52	9/26/2012 9:52	9/26/2012 9:52	10/2/2012 15:10	SW846 6010B	490-23157	Total	1
CHECK SAMPLE	NSH	280-32025-2	LCS 490-24972/2-A	Solid	LCS	10/2/2012 15:36	10/2/2012 15:36	10/2/2012 15:36	10/5/2012 15:54	SW846 6010B	490-24972	Total	1

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
R-9	11.7	Sulfur	7704-34-9	Target	19000				mg/Kg	55	17					
R-8	8.6	Sulfur	7704-34-9	Target	11000				mg/Kg	54	16					
R-7	9	Sulfur	7704-34-9	Target	13000				mg/Kg	55	16					
R-6	11.8	Sulfur	7704-34-9	Target	13000				mg/Kg	57	17					
R-4	11.8	Sulfur	7704-34-9	Target	32000		448	E 4	mg/Kg	56	17	1263	12	75	125	20
R-4	11.8	Sulfur	7704-34-9	Target	28400		432	E 4	mg/Kg	54	16	472	12	75	125	20
R-4	11.8	Sulfur	7704-34-9	Target	26000				mg/Kg	110	34					
R-3	10.6	Sulfur	7704-34-9	Target	6600				mg/Kg	56	17					
R-22	17.2	Sulfur	7704-34-9	Target	12000				mg/Kg	58	17					
R-20	17.5	Sulfur	7704-34-9	Target	1600				mg/Kg	58	17					
R-2	10.7	Sulfur	7704-34-9	Target	64000				mg/Kg	270	80					
R-19	10.5	Sulfur	7704-34-9	Target	15000				mg/Kg	55	16					
R-18	10.6	Sulfur	7704-34-9	Target	7600				mg/Kg	55	17					
R-16	7	Sulfur	7704-34-9	Target	16000				mg/Kg	52	16					
R-15	10.9	Sulfur	7704-34-9	Target	38000				mg/Kg	110	34					
R-14	8.3	Sulfur	7704-34-9	Target	16000				mg/Kg	55	16					
R-13	7.7	Sulfur	7704-34-9	Target	17000				mg/Kg	54	16					
R-1	16.8	Sulfur	7704-34-9	Target	12000				mg/Kg	59	18					
R-1	16.8	Sulfur	7704-34-9	Target	48900		462	4	mg/Kg	58	17	8045	6	75	125	20
R-1	16.8	Sulfur	7704-34-9	Target	46300		483	4	mg/Kg	60	18	7158	6	75	125	20
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	50	15					
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	48	14					
CHECK SAMPLE		Sulfur	7704-34-9	Target	387		385		mg/Kg	48	14	100		80	120	
CHECK SAMPLE		Sulfur	7704-34-9	Target	372		387		mg/Kg	48	15	96		80	120	

APPENDIX F.21
TESTAMERICA: SDG 280-32146-3 (SULFUR)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
NB1-10	NSH	280-32146-3	280-32146-1	Solid	SA	8/13/2012 10:20	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 14:55	SW846 6010B	490-25128	Total	1
NM-5	NSH	280-32146-3	280-32146-10	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:45	SW846 6010B	490-25128	Total	5
NM6	NSH	280-32146-3	280-32146-11	Solid	SA	8/13/2012 13:30	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:48	SW846 6010B	490-25128	Total	5
OM7	NSH	280-32146-3	280-32146-12	Solid	SA	8/13/2012 14:15	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:51	SW846 6010B	490-25128	Total	1
OM8	NSH	280-32146-3	280-32146-13	Solid	SA	8/13/2012 14:30	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:55	SW846 6010B	490-25128	Total	100
NB1-20	NSH	280-32146-3	280-32146-2	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 14:58	SW846 6010B	490-25128	Total	1
NB1-20	NSH	280-32146-3	280-32146-2	Solid	MS	8/13/2012 12:20	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:02	SW846 6010B	490-25128	Total	1
NB1-20	NSH	280-32146-3	280-32146-2	Solid	MSD	8/13/2012 12:20	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:05	SW846 6010B	490-25128	Total	1
NB1-40	NSH	280-32146-3	280-32146-3	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:09	SW846 6010B	490-25128	Total	1
NB1-30	NSH	280-32146-3	280-32146-4	Solid	SA	8/13/2012 13:05	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:12	SW846 6010B	490-25128	Total	1
NB1-41	NSH	280-32146-3	280-32146-5	Solid	SA	8/13/2012 15:00	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:27	SW846 6010B	490-25128	Total	1
NM-8	NSH	280-32146-3	280-32146-6	Solid	SA	8/13/2012 10:00	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:31	SW846 6010B	490-25128	Total	1
NM-9	NSH	280-32146-3	280-32146-7	Solid	SA	8/13/2012 10:45	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:34	SW846 6010B	490-25128	Total	5
NM-10	NSH	280-32146-3	280-32146-8	Solid	SA	8/13/2012 11:10	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:38	SW846 6010B	490-25128	Total	2
NM-4	NSH	280-32146-3	280-32146-9	Solid	SA	8/13/2012 11:30	8/15/2012 9:30	10/3/2012 9:37	10/4/2012 15:41	SW846 6010B	490-25128	Total	1
CHECK SAMPLE	NSH	280-32146-3	LCS 490-25128/2-A	Solid	LCS	10/3/2012 9:37	10/3/2012 9:37	10/3/2012 9:37	10/4/2012 14:52	SW846 6010B	490-25128	Total	1
INTRA-LAB BLANK	NSH	280-32146-3	MB 490-25128/1-A	Solid	MB	10/3/2012 9:37	10/3/2012 9:37	10/3/2012 9:37	10/4/2012 14:48	SW846 6010B	490-25128	Total	1

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
NB1-10	15.5	Sulfur	7704-34-9	Target	3100				mg/Kg	60	18					
NM-5	16.9	Sulfur	7704-34-9	Target	97000				mg/Kg	290	87					
NM6	14.8	Sulfur	7704-34-9	Target	60000				mg/Kg	280	85					
OM7	14	Sulfur	7704-34-9	Target	6200				mg/Kg	57	17					
OM8	6.7	Sulfur	7704-34-9	Target	300000				mg/Kg	5100	1500					
NB1-20	15.9	Sulfur	7704-34-9	Target	15000				mg/Kg	58	17					
NB1-20	15.9	Sulfur	7704-34-9	Target	14100		475	4	mg/Kg	59	18	-120	1	75	125	20
NB1-20	15.9	Sulfur	7704-34-9	Target	14200		473	4	mg/Kg	59	18	-99	1	75	125	20
NB1-40	14.5	Sulfur	7704-34-9	Target	16000				mg/Kg	56	17					
NB1-30	8.6	Sulfur	7704-34-9	Target	8000				mg/Kg	52	16					
NB1-41	10.5	Sulfur	7704-34-9	Target	1500				mg/Kg	56	17					
NM-8	9.1	Sulfur	7704-34-9	Target	2500				mg/Kg	54	16					
NM-9	11.1	Sulfur	7704-34-9	Target	58000				mg/Kg	280	83					
NM-10	10.5	Sulfur	7704-34-9	Target	33000				mg/Kg	110	33					
NM-4	11.7	Sulfur	7704-34-9	Target	3200				mg/Kg	55	17					
CHECK SAMPLE		Sulfur	7704-34-9	Target	417		394		mg/Kg	49	15	106		80	120	
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	48	15					

APPENDIX F.22

TESTAMERICA: SDG 280-31920-2 (SULFUR)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
G5	NSH	280-31920-2	280-31920-1	Solid	SA	8/6/2012 15:20	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 20:53	SW846 6010B	490-23901	Total	1
G11	NSH	280-31920-2	280-31920-2	Solid	SA	8/6/2012 13:20	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 20:56	SW846 6010B	490-23901	Total	5
G10	NSH	280-31920-2	280-31920-3	Solid	SA	8/6/2012 15:50	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 20:59	SW846 6010B	490-23901	Total	10
G9	NSH	280-31920-2	280-31920-4	Solid	SA	8/6/2012 15:35	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 21:03	SW846 6010B	490-23901	Total	1
G12	NSH	280-31920-2	280-31920-5	Solid	SA	8/6/2012 14:15	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 21:06	SW846 6010B	490-23901	Total	5
G14	NSH	280-31920-2	280-31920-6	Solid	SA	8/6/2012 15:50	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 21:22	SW846 6010B	490-23901	Total	5
G15	NSH	280-31920-2	280-31920-7	Solid	SA	8/6/2012 15:35	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 21:25	SW846 6010B	490-23901	Total	2
G16	NSH	280-31920-2	280-31920-8	Solid	SA	8/6/2012 14:00	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 21:28	SW846 6010B	490-23901	Total	5
G19	NSH	280-31920-2	280-31920-9	Solid	SA	8/6/2012 15:15	8/8/2012 9:00	9/28/2012 10:08	10/2/2012 21:32	SW846 6010B	490-23901	Total	10
CHECK SAMPLE	NSH	280-31920-2	LCS 490-23901/2-A	Solid	LCS	9/28/2012 10:08	9/28/2012 10:08	9/28/2012 10:08	10/2/2012 20:49	SW846 6010B	490-23901	Total	1
INTRA-LAB BLANK	NSH	280-31920-2	MB 490-23901/1-A	Solid	MB	9/28/2012 10:08	9/28/2012 10:08	9/28/2012 10:08	10/2/2012 20:46	SW846 6010B	490-23901	Total	1

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
G5	14.6	Sulfur	7704-34-9	Target	11000				mg/Kg	57	17					
G11	9.4	Sulfur	7704-34-9	Target	77000				mg/Kg	270	81					
G10	7.3	Sulfur	7704-34-9	Target	100000				mg/Kg	510	150					
G9	5.7	Sulfur	7704-34-9	Target	9200				mg/Kg	53	16					
G12	11.5	Sulfur	7704-34-9	Target	86000				mg/Kg	290	86					
G14	9.6	Sulfur	7704-34-9	Target	76000				mg/Kg	270	81					
G15	9.8	Sulfur	7704-34-9	Target	28000				mg/Kg	110	33					
G16	6.6	Sulfur	7704-34-9	Target	55000				mg/Kg	270	81					
G19	6.2	Sulfur	7704-34-9	Target	83000				mg/Kg	520	160					
CHECK SAMPLE		Sulfur	7704-34-9	Target	406		388		mg/Kg	48	15	105		80	120	
INTRA-LAB BLANK		Sulfur	7704-34-9	Target	ND				mg/Kg	49	15					

APPENDIX F.23

TESTAMERICA: SDG 280-32146-1 (SULFIDE AND ACID)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
NB1-10	DEN	280-32146-1	280-32146-1	Solid	SA	8/13/2012 10:20	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NB1-10	CAN	280-32146-1	280-32146-1	Solid	SA	8/13/2012 10:20	8/15/2012 9:30	8/22/2012 13:41	8/22/2012 13:41	SM SM 2310B	240-55386	ASTM
NM-5	DEN	280-32146-1	280-32146-10	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NM-5	CAN	280-32146-1	280-32146-10	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	8/22/2012 15:49	8/22/2012 15:49	SM SM 2310B	240-55386	ASTM
NM6	DEN	280-32146-1	280-32146-11	Solid	SA	8/13/2012 13:30	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NM6	CAN	280-32146-1	280-32146-11	Solid	SA	8/13/2012 13:30	8/15/2012 9:30	8/22/2012 16:00	8/22/2012 16:00	SM SM 2310B	240-55386	ASTM
OM7	DEN	280-32146-1	280-32146-12	Solid	SA	8/13/2012 14:15	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
OM7	CAN	280-32146-1	280-32146-12	Solid	SA	8/13/2012 14:15	8/15/2012 9:30	8/22/2012 16:05	8/22/2012 16:05	SM SM 2310B	240-55386	ASTM
OM8	DEN	280-32146-1	280-32146-13	Solid	SA	8/13/2012 14:30	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
OM8	CAN	280-32146-1	280-32146-13	Solid	SA	8/13/2012 14:30	8/15/2012 9:30	8/24/2012 13:01	8/24/2012 13:01	SM SM 2310B	240-55681	ASTM
NB1-20	DEN	280-32146-1	280-32146-2	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NB1-20	CAN	280-32146-1	280-32146-2	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	8/22/2012 13:53	8/22/2012 13:53	SM SM 2310B	240-55386	ASTM
NB1-20	DEN	280-32146-1	280-32146-2	Solid	MS	8/13/2012 12:20	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NB1-20	CAN	280-32146-1	280-32146-2	Solid	MS	8/13/2012 12:20	8/15/2012 9:30	8/22/2012 14:06	8/22/2012 14:06	SM SM 2310B	240-55386	ASTM
NB1-20	DEN	280-32146-1	280-32146-2	Solid	MSD	8/13/2012 12:20	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NB1-20	CAN	280-32146-1	280-32146-2	Solid	MSD	8/13/2012 12:20	8/15/2012 9:30	8/22/2012 14:19	8/22/2012 14:19	SM SM 2310B	240-55386	ASTM
NB1-40	DEN	280-32146-1	280-32146-3	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NB1-40	CAN	280-32146-1	280-32146-3	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	8/22/2012 14:34	8/22/2012 14:34	SM SM 2310B	240-55386	ASTM
NB1-30	DEN	280-32146-1	280-32146-4	Solid	SA	8/13/2012 13:05	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NB1-30	CAN	280-32146-1	280-32146-4	Solid	SA	8/13/2012 13:05	8/15/2012 9:30	8/22/2012 14:41	8/22/2012 14:41	SM SM 2310B	240-55386	ASTM
NB1-41	DEN	280-32146-1	280-32146-5	Solid	SA	8/13/2012 15:00	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NB1-41	CAN	280-32146-1	280-32146-5	Solid	SA	8/13/2012 15:00	8/15/2012 9:30	8/22/2012 14:53	8/22/2012 14:53	SM SM 2310B	240-55386	ASTM
NM-8	DEN	280-32146-1	280-32146-6	Solid	SA	8/13/2012 10:00	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NM-8	CAN	280-32146-1	280-32146-6	Solid	SA	8/13/2012 10:00	8/15/2012 9:30	8/22/2012 14:58	8/22/2012 14:58	SM SM 2310B	240-55386	ASTM
NM-9	DEN	280-32146-1	280-32146-7	Solid	SA	8/13/2012 10:45	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NM-9	CAN	280-32146-1	280-32146-7	Solid	SA	8/13/2012 10:45	8/15/2012 9:30	8/22/2012 15:16	8/22/2012 15:16	SM SM 2310B	240-55386	ASTM
NM-10	DEN	280-32146-1	280-32146-8	Solid	SA	8/13/2012 11:10	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NM-10	CAN	280-32146-1	280-32146-8	Solid	SA	8/13/2012 11:10	8/15/2012 9:30	8/22/2012 15:29	8/22/2012 15:29	SM SM 2310B	240-55386	ASTM
NM-4	DEN	280-32146-1	280-32146-9	Solid	SA	8/13/2012 11:30	8/15/2012 9:30	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
NM-4	CAN	280-32146-1	280-32146-9	Solid	SA	8/13/2012 11:30	8/15/2012 9:30	8/22/2012 15:34	8/22/2012 15:34	SM SM 2310B	240-55386	ASTM
CHECK SAMPLE	CAN	280-32146-1	LCS 240-54823/2-A	Solid	LCS	8/22/2012 13:18	8/22/2012 13:18	8/22/2012 13:18	8/22/2012 13:18	SM SM 2310B	240-55386	ASTM
CHECK SAMPLE	CAN	280-32146-1	LCS 240-54823/2-A	Solid	LCS	8/24/2012 12:46	8/24/2012 12:46	8/24/2012 12:46	8/24/2012 12:46	SM SM 2310B	240-55681	ASTM
CHECK SAMPLE	DEN	280-32146-1	LCS 280-133018/1-A	Solid	LCS	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
INTRA-LAB BLANK	CAN	280-32146-1	MB 240-54823/1-A	Solid	MB	8/22/2012 13:25	8/22/2012 13:25	8/22/2012 13:25	8/22/2012 13:25	SM SM 2310B	240-55386	ASTM
INTRA-LAB BLANK	CAN	280-32146-1	MB 240-54823/1-A	Solid	MB	8/24/2012 12:51	8/24/2012 12:51	8/24/2012 12:51	8/24/2012 12:51	SM SM 2310B	240-55681	ASTM
INTRA-LAB BLANK	DEN	280-32146-1	MB 280-133018/2-A	Solid	MB	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
NB1-10	1	15.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
NB1-10	1		Acidity	STL00003	Target	4000			B	mg/Kg	50	7.9					
NM-5	1	16.9	Sulfide	18496-25-8	Target	ND				mg/Kg	6	2.9					
NM-5	1		Acidity	STL00003	Target	4000			B	mg/Kg	50	7.9					
NM6	1	14.8	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
NM6	1		Acidity	STL00003	Target	2000			B	mg/Kg	50	7.9					
OM7	1	14	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
OM7	1		Acidity	STL00003	Target	190			B	mg/Kg	50	7.9					
OM8	1	6.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.4	2.6					
OM8	5		Acidity	STL00003	Target	12000			B	mg/Kg	250	40					
NB1-20	1	15.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
NB1-20	1		Acidity	STL00003	Target	2400			B	mg/Kg	50	7.9					
NB1-20	1	15.9	Sulfide	18496-25-8	Target	67.4		108		mg/Kg	5.9	2.8	62	3	47	100	35
NB1-20	1		Acidity	STL00003	Target	3070		999		mg/Kg	50	7.9	70	5	61	112	20
NB1-20	1	15.9	Sulfide	18496-25-8	Target	65.6		108		mg/Kg	5.9	2.9	61	3	47	100	35
NB1-20	1		Acidity	STL00003	Target	3220		998		mg/Kg	50	7.9	86	5	61	112	20
NB1-40	1	14.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
NB1-40	1		Acidity	STL00003	Target	3200			B	mg/Kg	50	7.9					
NB1-30	1	8.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.6					
NB1-30	1		Acidity	STL00003	Target	1500			B	mg/Kg	50	7.9					
NB1-41	1	10.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
NB1-41	1		Acidity	STL00003	Target	2400			B	mg/Kg	50	7.9					
NM-8	1	9.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.6					
NM-8	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
NM-9	1	11.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
NM-9	1		Acidity	STL00003	Target	4600			B	mg/Kg	50	7.9					
NM-10	1	10.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
NM-10	1		Acidity	STL00003	Target	1900			B	mg/Kg	50	7.9					
NM-4	1	11.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
NM-4	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
CHECK SAMPLE	1		Acidity	STL00003	Target	2490		2500		mg/Kg	50	7.9	99		80	133	
CHECK SAMPLE	1		Acidity	STL00003	Target	2580		2500		mg/Kg	50	7.9	103		80	133	
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	60.8		91.3		mg/Kg	5	2.4	67		47	100	
INTRA-LAB BLANK	1		Acidity	STL00003	Target	14.9			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	27.9			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					

APPENDIX F.24

TESTAMERICA: SDG 280-32481-1 (SULFIDE AND ACID)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed
OB2-20	CAN	280-32481-1	280-32481-15	Solid	MS	8/22/2012 10:40	8/23/2012 9:45	9/14/2012 13:44	9/14/2012 13:44
OB2-20	CAN	280-32481-1	280-32481-15	Solid	MSD	8/22/2012 10:40	8/23/2012 9:45	9/14/2012 13:51	9/14/2012 13:51
FB16	DEN	280-32481-1	280-32481-5	Water	DUP	8/20/2012 14:05	8/23/2012 9:15	8/30/2012 9:23	8/30/2012 9:23
NB2-10	DEN	280-32481-1	280-32481-1	Solid	SA	8/20/2012 14:30	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
NB2-10	CAN	280-32481-1	280-32481-1	Solid	SA	8/20/2012 14:30	8/23/2012 9:15	9/6/2012 16:07	9/6/2012 16:07
OB1-30	DEN	280-32481-1	280-32481-10	Solid	SA	8/21/2012 15:00	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
OB1-30	CAN	280-32481-1	280-32481-10	Solid	SA	8/21/2012 15:00	8/23/2012 9:15	9/14/2012 13:27	9/14/2012 13:27
OB1-40	DEN	280-32481-1	280-32481-11	Solid	SA	8/21/2012 15:45	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
OB1-40	CAN	280-32481-1	280-32481-11	Solid	SA	8/21/2012 15:45	8/23/2012 9:15	9/6/2012 17:39	9/6/2012 17:39
FB17	DEN	280-32481-1	280-32481-12	Water	SA	8/21/2012 13:25	8/23/2012 9:15	8/24/2012 7:19	8/24/2012 10:52
FB17	DEN	280-32481-1	280-32481-12	Water	SA	8/21/2012 13:25	8/23/2012 9:15	8/30/2012 9:23	8/30/2012 9:23
RB17	DEN	280-32481-1	280-32481-13	Water	SA	8/21/2012 14:30	8/23/2012 9:15	8/24/2012 7:19	8/24/2012 10:52
RB17	DEN	280-32481-1	280-32481-13	Water	SA	8/21/2012 14:30	8/23/2012 9:15	8/30/2012 9:23	8/30/2012 9:23
OB2-10	DEN	280-32481-1	280-32481-14	Solid	SA	8/22/2012 10:15	8/23/2012 9:45	8/27/2012 7:30	8/27/2012 14:38
OB2-10	CAN	280-32481-1	280-32481-14	Solid	SA	8/22/2012 10:15	8/23/2012 9:45	9/14/2012 13:32	9/14/2012 13:32
OB2-20	DEN	280-32481-1	280-32481-15	Solid	SA	8/22/2012 10:40	8/23/2012 9:45	8/27/2012 7:30	8/27/2012 14:38
OB2-20	CAN	280-32481-1	280-32481-15	Solid	SA	8/22/2012 10:40	8/23/2012 9:45	9/14/2012 13:37	9/14/2012 13:37
OB2-30	DEN	280-32481-1	280-32481-16	Solid	SA	8/22/2012 11:30	8/23/2012 9:45	8/27/2012 7:30	8/27/2012 14:38
OB2-30	CAN	280-32481-1	280-32481-16	Solid	SA	8/22/2012 11:30	8/23/2012 9:45	9/6/2012 17:51	9/6/2012 17:51
FB06	DEN	280-32481-1	280-32481-17	Water	SA	8/22/2012 10:30	8/23/2012 9:45	8/24/2012 7:19	8/24/2012 10:52
FB06	DEN	280-32481-1	280-32481-17	Water	SA	8/22/2012 10:30	8/23/2012 9:45	8/30/2012 9:23	8/30/2012 9:23
RB06	DEN	280-32481-1	280-32481-18	Water	SA	8/22/2012 11:10	8/23/2012 9:45	8/24/2012 7:19	8/24/2012 10:52
RB06	DEN	280-32481-1	280-32481-18	Water	SA	8/22/2012 11:10	8/23/2012 9:45	8/30/2012 9:23	8/30/2012 9:23
NB2-20	DEN	280-32481-1	280-32481-2	Solid	SA	8/20/2012 15:05	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
NB2-20	CAN	280-32481-1	280-32481-2	Solid	SA	8/20/2012 15:05	8/23/2012 9:15	9/6/2012 16:17	9/6/2012 16:17
NB2-30	DEN	280-32481-1	280-32481-3	Solid	SA	8/20/2012 16:05	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
NB2-30	CAN	280-32481-1	280-32481-3	Solid	SA	8/20/2012 16:05	8/23/2012 9:15	9/6/2012 16:30	9/6/2012 16:30
NB2-40	DEN	280-32481-1	280-32481-4	Solid	SA	8/20/2012 17:00	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
NB2-40	CAN	280-32481-1	280-32481-4	Solid	SA	8/20/2012 17:00	8/23/2012 9:15	9/6/2012 16:35	9/6/2012 16:35
FB16	DEN	280-32481-1	280-32481-5	Water	SA	8/20/2012 14:05	8/23/2012 9:15	8/24/2012 7:19	8/24/2012 10:52
FB16	DEN	280-32481-1	280-32481-5	Water	SA	8/20/2012 14:05	8/23/2012 9:15	8/30/2012 9:23	8/30/2012 9:23
RB16	DEN	280-32481-1	280-32481-6	Water	SA	8/20/2012 16:15	8/23/2012 9:15	8/24/2012 7:19	8/24/2012 10:52

Client Sample ID	Method	Prep Batch	Prep Type	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL
OB2-20	SM SM 2310B	240-57930	ASTM	1		Acidity	STL00003	Target	976		996		mg/Kg	50
OB2-20	SM SM 2310B	240-57930	ASTM	1		Acidity	STL00003	Target	968		999		mg/Kg	50
FB16	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	ND				mg/L	10
NB2-10	SW846 9034	280-134406	Total	1	15.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9
NB2-10	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	30000				mg/Kg	500
OB1-30	SW846 9034	280-134406	Total	1	15.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9
OB1-30	SM SM 2310B	240-57930	ASTM	1		Acidity	STL00003	Target	830			B	mg/Kg	50
OB1-40	SW846 9034	280-134406	Total	1	8.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5
OB1-40	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	2400				mg/Kg	500
FB17	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	ND				mg/L	4
FB17	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	6			J	mg/L	10
RB17	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	ND				mg/L	4
RB17	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	2			J	mg/L	10
OB2-10	SW846 9034	280-134406	Total	1	15.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9
OB2-10	SM SM 2310B	240-57930	ASTM	1		Acidity	STL00003	Target	51			B	mg/Kg	50
OB2-20	SW846 9034	280-134406	Total	1	18.5	Sulfide	18496-25-8	Target	ND				mg/Kg	6.1
OB2-20	SM SM 2310B	240-57930	ASTM	1		Acidity	STL00003	Target	ND				mg/Kg	50
OB2-30	SW846 9034	280-134406	Total	1	12.4	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7
OB2-30	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	780				mg/Kg	500
FB06	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	ND				mg/L	4
FB06	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	4			J	mg/L	10
RB06	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	ND				mg/L	4
RB06	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	6			J	mg/L	10
NB2-20	SW846 9034	280-134406	Total	1	11.2	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7
NB2-20	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	18000				mg/Kg	500
NB2-30	SW846 9034	280-134406	Total	1	10.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6
NB2-30	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	28000				mg/Kg	500
NB2-40	SW846 9034	280-134406	Total	1	8.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5
NB2-40	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	830				mg/Kg	500
FB16	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	ND				mg/L	4
FB16	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	2			J	mg/L	10
RB16	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	ND				mg/L	4

Client Sample ID	MDL/ MDA	Percent Recovery	RPD/ RER	Lower Limit	Upper Limit	RPD/RER Limit
OB2-20	7.9	98	1	61	112	20
OB2-20	7.9	97	1	61	112	20
FB16	2		NC			10
NB2-10	2.8					
NB2-10	79					
OB1-30	2.8					
OB1-30	7.9					
OB1-40	2.6					
OB1-40	79					
FB17	0.79					
FB17	2					
RB17	0.79					
RB17	2					
OB2-10	2.8					
OB2-10	7.9					
OB2-20	2.9					
OB2-20	7.9					
OB2-30	2.7					
OB2-30	79					
FB06	0.79					
FB06	2					
RB06	0.79					
RB06	2					
NB2-20	2.7					
NB2-20	79					
NB2-30	2.7					
NB2-30	79					
NB2-40	2.6					
NB2-40	79					
FB16	0.79					
FB16	2					
RB16	0.79					

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed
RB16	DEN	280-32481-1	280-32481-6	Water	SA	8/20/2012 16:15	8/23/2012 9:15	8/30/2012 9:23	8/30/2012 9:23
OB1-10	DEN	280-32481-1	280-32481-7	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
OB1-10	CAN	280-32481-1	280-32481-7	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	9/6/2012 16:43	9/6/2012 16:43
OB1-10	DEN	280-32481-1	280-32481-7	Solid	MS	8/21/2012 13:50	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
OB1-10	CAN	280-32481-1	280-32481-7	Solid	MS	8/21/2012 13:50	8/23/2012 9:15	9/6/2012 16:54	9/6/2012 16:54
OB1-10	DEN	280-32481-1	280-32481-7	Solid	MSD	8/21/2012 13:50	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
OB1-10	CAN	280-32481-1	280-32481-7	Solid	MSD	8/21/2012 13:50	8/23/2012 9:15	9/6/2012 17:09	9/6/2012 17:09
OB1-11	DEN	280-32481-1	280-32481-8	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
OB1-11	CAN	280-32481-1	280-32481-8	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	9/6/2012 17:17	9/6/2012 17:17
OB1-20	DEN	280-32481-1	280-32481-9	Solid	SA	8/21/2012 14:10	8/23/2012 9:15	8/27/2012 7:30	8/27/2012 14:38
OB1-20	CAN	280-32481-1	280-32481-9	Solid	SA	8/21/2012 14:10	8/23/2012 9:15	9/6/2012 17:27	9/6/2012 17:27
CHECK SAMPLE	CAN	280-32481-1	LCS 240-56336/2-A	Solid	LCS	9/6/2012 15:37	9/6/2012 15:37	9/6/2012 15:37	9/6/2012 15:37
CHECK SAMPLE	CAN	280-32481-1	LCS 240-57777/2-A	Solid	LCS	9/14/2012 13:16	9/14/2012 13:16	9/14/2012 13:16	9/14/2012 13:16
CHECK SAMPLE	DEN	280-32481-1	LCS 280-134125/1-A	Water	LCS	8/24/2012 7:19	8/24/2012 7:19	8/24/2012 7:19	8/24/2012 10:52
CHECK SAMPLE	DEN	280-32481-1	LCS 280-134406/1-A	Solid	LCS	8/27/2012 7:30	8/27/2012 7:30	8/27/2012 7:30	8/27/2012 14:38
CHECK SAMPLE	DEN	280-32481-1	LCS 280-135040/1	Water	LCS	8/30/2012 9:23	8/30/2012 9:23	8/30/2012 9:23	8/30/2012 9:23
DUPLICATE CHECK	DEN	280-32481-1	LCSD 280-134125/2-A	Water	LCSD	8/24/2012 7:19	8/24/2012 7:19	8/24/2012 7:19	8/24/2012 10:52
DUPLICATE CHECK	DEN	280-32481-1	LCSD 280-135040/2	Water	LCSD	8/30/2012 9:23	8/30/2012 9:23	8/30/2012 9:23	8/30/2012 9:23
INTRA-LAB BLANK	CAN	280-32481-1	MB 240-56336/1-A	Solid	MB	9/6/2012 15:41	9/6/2012 15:41	9/6/2012 15:41	9/6/2012 15:41
INTRA-LAB BLANK	CAN	280-32481-1	MB 240-57777/1-A	Solid	MB	9/14/2012 13:20	9/14/2012 13:20	9/14/2012 13:20	9/14/2012 13:20
INTRA-LAB BLANK	DEN	280-32481-1	MB 280-134125/3-A	Water	MB	8/24/2012 7:19	8/24/2012 7:19	8/24/2012 7:19	8/24/2012 10:52
INTRA-LAB BLANK	DEN	280-32481-1	MB 280-134406/2-A	Solid	MB	8/27/2012 7:30	8/27/2012 7:30	8/27/2012 7:30	8/27/2012 14:38
INTRA-LAB BLANK	DEN	280-32481-1	MB 280-135040/3	Water	MB	8/30/2012 9:23	8/30/2012 9:23	8/30/2012 9:23	8/30/2012 9:23

Client Sample ID	Method	Prep Batch	Prep Type	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL
RB16	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	2			J	mg/L	10
OB1-10	SW846 9034	280-134406	Total	1	17.5	Sulfide	18496-25-8	Target	ND				mg/Kg	6.1
OB1-10	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	16000				mg/Kg	500
OB1-10	SW846 9034	280-134406	Total	1	17.5	Sulfide	18496-25-8	Target	61		105		mg/Kg	6.1
OB1-10	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	24200		10000		mg/Kg	500
OB1-10	SW846 9034	280-134406	Total	1	17.5	Sulfide	18496-25-8	Target	59.2		105		mg/Kg	6.1
OB1-10	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	25600		10000		mg/Kg	500
OB1-11	SW846 9034	280-134406	Total	1	17.8	Sulfide	18496-25-8	Target	ND				mg/Kg	6.1
OB1-11	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	15000				mg/Kg	500
OB1-20	SW846 9034	280-134406	Total	1	15.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9
OB1-20	SM SM 2310B	240-57127	ASTM	10		Acidity	STL00003	Target	5900				mg/Kg	500
CHECK SAMPLE	SM SM 2310B	240-57127	ASTM	1		Acidity	STL00003	Target	2600		2500		mg/Kg	50
CHECK SAMPLE	SM SM 2310B	240-57930	ASTM	1		Acidity	STL00003	Target	2430		2500		mg/Kg	50
CHECK SAMPLE	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	11.4		18		mg/L	4
CHECK SAMPLE	SW846 9034	280-134406	Total	1		Sulfide	18496-25-8	Target	52		86.8		mg/Kg	5
CHECK SAMPLE	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	106		100		mg/L	10
DUPLICATE CHECK	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	11.7		18		mg/L	4
DUPLICATE CHECK	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	110		100		mg/L	10
INTRA-LAB BLANK	SM SM 2310B	240-57127	ASTM	1		Acidity	STL00003	Target	ND				mg/Kg	50
INTRA-LAB BLANK	SM SM 2310B	240-57930	ASTM	1		Acidity	STL00003	Target	45.8			J	mg/Kg	50
INTRA-LAB BLANK	SW846 9034	280-134125	Total	1		Sulfide	18496-25-8	Target	ND				mg/L	4
INTRA-LAB BLANK	SW846 9034	280-134406	Total	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5
INTRA-LAB BLANK	SM SM 2310B	280-135040	Total	1		Acidity	STL00003	Target	ND				mg/L	10

Client Sample ID	MDL/ MDA	Percent Recovery	RPD/ RER	Lower Limit	Upper Limit	RPD/RER Limit
RB16	2					
OB1-10	2.9					
OB1-10	79					
OB1-10	2.9	58	3	47	100	35
OB1-10	79	84	5	61	112	20
OB1-10	2.9	56	3	47	100	35
OB1-10	79	98	5	61	112	20
OB1-11	2.9					
OB1-11	79					
OB1-20	2.8					
OB1-20	79					
CHECK SAMPLE	7.9	104		80	133	
CHECK SAMPLE	7.9	97		80	133	
CHECK SAMPLE	0.79	63	3	48	100	20
CHECK SAMPLE	2.4	60		47	100	
CHECK SAMPLE	2	106	4	90	110	10
DUPLICATE CHECK	0.79	65	3	48	100	20
DUPLICATE CHECK	2	110	4	90	110	10
INTRA-LAB BLANK	7.9					
INTRA-LAB BLANK	7.9					
INTRA-LAB BLANK	0.79					
INTRA-LAB BLANK	2.4					
INTRA-LAB BLANK	2					

APPENDIX F.25

TESTAMERICA: SDG 280-31920-1 (SULFIDE AND ACID)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
G19	DEN	280-31920-1	280-31920-9	Solid	MS	8/6/2012 15:15	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G19	DEN	280-31920-1	280-31920-9	Solid	MSD	8/6/2012 15:15	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G9	CAN	280-31920-1	280-31920-4	Solid	MS	8/6/2012 15:35	8/8/2012 9:00	8/16/2012 14:58	8/16/2012 14:58	SM SM 2310B	240-54723	ASTM
G9	CAN	280-31920-1	280-31920-4	Solid	MSD	8/6/2012 15:35	8/8/2012 9:00	8/16/2012 15:04	8/16/2012 15:04	SM SM 2310B	240-54723	ASTM
G5	DEN	280-31920-1	280-31920-1	Solid	SA	8/6/2012 15:20	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G5	CAN	280-31920-1	280-31920-1	Solid	SA	8/6/2012 15:20	8/8/2012 9:00	8/16/2012 14:16	8/16/2012 14:16	SM SM 2310B	240-54723	ASTM
G11	DEN	280-31920-1	280-31920-2	Solid	SA	8/6/2012 13:20	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G11	CAN	280-31920-1	280-31920-2	Solid	SA	8/6/2012 13:20	8/8/2012 9:00	8/16/2012 14:32	8/16/2012 14:32	SM SM 2310B	240-54723	ASTM
G10	DEN	280-31920-1	280-31920-3	Solid	SA	8/6/2012 15:50	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G10	CAN	280-31920-1	280-31920-3	Solid	SA	8/6/2012 15:50	8/8/2012 9:00	8/16/2012 14:45	8/16/2012 14:45	SM SM 2310B	240-54723	ASTM
G9	DEN	280-31920-1	280-31920-4	Solid	SA	8/6/2012 15:35	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G9	CAN	280-31920-1	280-31920-4	Solid	SA	8/6/2012 15:35	8/8/2012 9:00	8/16/2012 14:50	8/16/2012 14:50	SM SM 2310B	240-54723	ASTM
G12	DEN	280-31920-1	280-31920-5	Solid	SA	8/6/2012 14:15	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G12	CAN	280-31920-1	280-31920-5	Solid	SA	8/6/2012 14:15	8/8/2012 9:00	8/16/2012 15:15	8/16/2012 15:15	SM SM 2310B	240-54723	ASTM
G14	DEN	280-31920-1	280-31920-6	Solid	SA	8/6/2012 15:50	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G14	CAN	280-31920-1	280-31920-6	Solid	SA	8/6/2012 15:50	8/8/2012 9:00	8/16/2012 15:22	8/16/2012 15:22	SM SM 2310B	240-54723	ASTM
G15	DEN	280-31920-1	280-31920-7	Solid	SA	8/6/2012 15:35	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G15	CAN	280-31920-1	280-31920-7	Solid	SA	8/6/2012 15:35	8/8/2012 9:00	8/16/2012 15:30	8/16/2012 15:30	SM SM 2310B	240-54723	ASTM
G16	DEN	280-31920-1	280-31920-8	Solid	SA	8/6/2012 14:00	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G16	CAN	280-31920-1	280-31920-8	Solid	SA	8/6/2012 14:00	8/8/2012 9:00	8/16/2012 15:36	8/16/2012 15:36	SM SM 2310B	240-54723	ASTM
G19	DEN	280-31920-1	280-31920-9	Solid	SA	8/6/2012 15:15	8/8/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G19	CAN	280-31920-1	280-31920-9	Solid	SA	8/6/2012 15:15	8/8/2012 9:00	8/16/2012 15:42	8/16/2012 15:42	SM SM 2310B	240-54723	ASTM
CHECK SAMPLE	CAN	280-31920-1	LCS 240-54203/2-A	Solid	LCS	8/16/2012 14:09	8/16/2012 14:09	8/16/2012 14:09	8/16/2012 14:09	SM SM 2310B	240-54723	ASTM
CHECK SAMPLE	DEN	280-31920-1	LCS 280-131999/1-A	Solid	LCS	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
INTRA-LAB BLANK	CAN	280-31920-1	MB 240-54203/1-A	Solid	MB	8/16/2012 14:12	8/16/2012 14:12	8/16/2012 14:12	8/16/2012 14:12	SM SM 2310B	240-54723	ASTM
INTRA-LAB BLANK	DEN	280-31920-1	MB 280-131999/2-A	Solid	MB	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
G19	1	6.2	Sulfide	18496-25-8	Target	59.6		104		mg/Kg	5.3	2.6	57	4	47	100	35
G19	1	6.2	Sulfide	18496-25-8	Target	57.1		104		mg/Kg	5.3	2.6	55	4	47	100	35
G9	1		Acidity	STL00003	Target	1030		1000		mg/Kg	50	7.9	103	14	61	112	20
G9	1		Acidity	STL00003	Target	896		1000		mg/Kg	50	7.9	90	14	61	112	20
G5	1	14.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
G5	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
G11	1		Sulfide	18496-25-8	Target	ND				mg/Kg	4.9	2.3					
G11	1		Acidity	STL00003	Target	4000			B	mg/Kg	50	7.9					
G10	1	7.3	Sulfide	18496-25-8	Target	ND				mg/Kg	5.4	2.6					
G10	1		Acidity	STL00003	Target	2900			B	mg/Kg	50	7.9					
G9	1	5.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.3	2.5					
G9	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
G12	1	11.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
G12	1		Acidity	STL00003	Target	2500			B	mg/Kg	50	7.9					
G14	1	9.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.7					
G14	1		Acidity	STL00003	Target	1200			B	mg/Kg	50	7.9					
G15	1	9.8	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
G15	1		Acidity	STL00003	Target	66			B	mg/Kg	50	7.9					
G16	1	6.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.4	2.6					
G16	1		Acidity	STL00003	Target	300			B	mg/Kg	50	7.9					
G19	1	6.2	Sulfide	18496-25-8	Target	ND				mg/Kg	5.3	2.6					
G19	1		Acidity	STL00003	Target	340			B	mg/Kg	50	7.9					
CHECK SAMPLE	1		Acidity	STL00003	Target	2460		2500		mg/Kg	50	7.9	98		80	133	
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	69.8		97.9		mg/Kg	5	2.4	71		47	100	
INTRA-LAB BLANK	1		Acidity	STL00003	Target	29.8			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					

APPENDIX F.26

TESTAMERICA: SDG 280-32025-1 (SULFIDE AND ACID)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
R-9	DEN	280-32025-1	280-32025-10	Solid	SA	8/8/2012 11:10	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-9	CAN	280-32025-1	280-32025-10	Solid	SA	8/8/2012 11:10	8/10/2012 9:00	8/20/2012 14:48	8/20/2012 14:48	SM SM 2310B	240-55048	ASTM
R-8	DEN	280-32025-1	280-32025-8	Solid	SA	8/8/2012 10:55	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-8	CAN	280-32025-1	280-32025-8	Solid	SA	8/8/2012 10:55	8/10/2012 9:00	8/20/2012 14:38	8/20/2012 14:38	SM SM 2310B	240-55048	ASTM
R-7	DEN	280-32025-1	280-32025-7	Solid	SA	8/8/2012 10:40	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-7	CAN	280-32025-1	280-32025-7	Solid	SA	8/8/2012 10:40	8/10/2012 9:00	8/20/2012 14:33	8/20/2012 14:33	SM SM 2310B	240-55048	ASTM
R-6	DEN	280-32025-1	280-32025-4	Solid	SA	8/8/2012 10:00	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-6	CAN	280-32025-1	280-32025-4	Solid	SA	8/8/2012 10:00	8/10/2012 9:00	8/20/2012 14:16	8/20/2012 14:16	SM SM 2310B	240-55048	ASTM
R-4	DEN	280-32025-1	280-32025-12	Solid	SA	8/8/2012 11:45	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-4	CAN	280-32025-1	280-32025-12	Solid	SA	8/8/2012 11:45	8/10/2012 9:00	8/20/2012 14:59	8/20/2012 14:59	SM SM 2310B	240-55048	ASTM
R-3	CAN	280-32025-1	280-32025-14	Solid	MS	8/8/2012 12:00	8/10/2012 9:00	8/31/2012 13:38	8/31/2012 13:38	SM SM 2310B	240-56486	ASTM
R-3	CAN	280-32025-1	280-32025-14	Solid	MSD	8/8/2012 12:00	8/10/2012 9:00	8/31/2012 13:46	8/31/2012 13:46	SM SM 2310B	240-56486	ASTM
R-3	DEN	280-32025-1	280-32025-14	Solid	SA	8/8/2012 12:00	8/10/2012 9:00	8/15/2012 7:55	8/15/2012 14:09	SW846 9034	280-132562	Total
R-3	CAN	280-32025-1	280-32025-14	Solid	SA	8/8/2012 12:00	8/10/2012 9:00	8/31/2012 13:28	8/31/2012 13:28	SM SM 2310B	240-56486	ASTM
R-22	DEN	280-32025-1	280-32025-2	Solid	SA	8/8/2012 9:16	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-22	CAN	280-32025-1	280-32025-2	Solid	SA	8/8/2012 9:16	8/10/2012 9:00	8/20/2012 13:47	8/20/2012 13:47	SM SM 2310B	240-55048	ASTM
R-20	DEN	280-32025-1	280-32025-9	Solid	SA	8/8/2012 10:55	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-20	CAN	280-32025-1	280-32025-9	Solid	SA	8/8/2012 10:55	8/10/2012 9:00	8/20/2012 14:44	8/20/2012 14:44	SM SM 2310B	240-55048	ASTM
R-2	DEN	280-32025-1	280-32025-16	Solid	SA	8/8/2012 12:15	8/10/2012 9:00	8/15/2012 7:55	8/15/2012 14:09	SW846 9034	280-132562	Total
R-2	CAN	280-32025-1	280-32025-16	Solid	SA	8/8/2012 12:15	8/10/2012 9:00	8/31/2012 13:51	8/31/2012 13:51	SM SM 2310B	240-56486	ASTM
R-19	DEN	280-32025-1	280-32025-6	Solid	SA	8/8/2012 10:30	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-19	CAN	280-32025-1	280-32025-6	Solid	SA	8/8/2012 10:30	8/10/2012 9:00	8/20/2012 14:26	8/20/2012 14:26	SM SM 2310B	240-55048	ASTM
R-18	DEN	280-32025-1	280-32025-3	Solid	SA	8/8/2012 9:40	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-18	CAN	280-32025-1	280-32025-3	Solid	SA	8/8/2012 9:40	8/10/2012 9:00	8/20/2012 13:57	8/20/2012 13:57	SM SM 2310B	240-55048	ASTM
R-16	DEN	280-32025-1	280-32025-15	Solid	SA	8/8/2012 12:10	8/10/2012 9:00	8/15/2012 7:55	8/15/2012 14:09	SW846 9034	280-132562	Total
R-16	CAN	280-32025-1	280-32025-15	Solid	SA	8/8/2012 12:10	8/10/2012 9:00	8/21/2012 12:53	8/21/2012 12:53	SM SM 2310B	240-55222	ASTM
R-15	DEN	280-32025-1	280-32025-13	Solid	SA	8/8/2012 11:55	8/10/2012 9:00	8/15/2012 7:55	8/15/2012 14:09	SW846 9034	280-132562	Total
R-15	CAN	280-32025-1	280-32025-13	Solid	SA	8/8/2012 11:55	8/10/2012 9:00	8/20/2012 15:09	8/20/2012 15:09	SM SM 2310B	240-55048	ASTM
R-14	DEN	280-32025-1	280-32025-11	Solid	SA	8/8/2012 11:40	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-14	CAN	280-32025-1	280-32025-11	Solid	SA	8/8/2012 11:40	8/10/2012 9:00	8/20/2012 14:53	8/20/2012 14:53	SM SM 2310B	240-55048	ASTM
R-13	DEN	280-32025-1	280-32025-5	Solid	SA	8/8/2012 10:10	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-13	CAN	280-32025-1	280-32025-5	Solid	SA	8/8/2012 10:10	8/10/2012 9:00	8/20/2012 14:20	8/20/2012 14:20	SM SM 2310B	240-55048	ASTM
R-1	DEN	280-32025-1	280-32025-1	Solid	SA	8/8/2012 9:15	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-1	CAN	280-32025-1	280-32025-1	Solid	SA	8/8/2012 9:15	8/10/2012 9:00	8/20/2012 13:12	8/20/2012 13:12	SM SM 2310B	240-55048	ASTM
R-1	DEN	280-32025-1	280-32025-1	Solid	MS	8/8/2012 9:15	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-1	CAN	280-32025-1	280-32025-1	Solid	MS	8/8/2012 9:15	8/10/2012 9:00	8/20/2012 13:26	8/20/2012 13:26	SM SM 2310B	240-55048	ASTM
R-1	DEN	280-32025-1	280-32025-1	Solid	MSD	8/8/2012 9:15	8/10/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-1	CAN	280-32025-1	280-32025-1	Solid	MSD	8/8/2012 9:15	8/10/2012 9:00	8/20/2012 13:38	8/20/2012 13:38	SM SM 2310B	240-55048	ASTM
INTRA-LAB BLANK	CAN	280-32025-1	MB 240-54228/1-A	Solid	MB	8/20/2012 13:03	8/20/2012 13:03	8/20/2012 13:03	8/20/2012 13:03	SM SM 2310B	240-55048	ASTM
INTRA-LAB BLANK	CAN	280-32025-1	MB 240-54286/1-A	Solid	MB	8/21/2012 12:33	8/21/2012 12:33	8/21/2012 12:33	8/21/2012 12:33	SM SM 2310B	240-55222	ASTM
INTRA-LAB BLANK	CAN	280-32025-1	MB 240-54532/1-A	Solid	MB	8/22/2012 12:28	8/22/2012 12:28	8/22/2012 12:28	8/22/2012 12:28	SM SM 2310B	240-55386	ASTM

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
R-9	1	11.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
R-9	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
R-8	1	8.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.6					
R-8	1		Acidity	STL00003	Target	510				mg/Kg	50	7.9					
R-7	1	9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.6					
R-7	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
R-6	1	11.8	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
R-6	1		Acidity	STL00003	Target	5100				mg/Kg	50	7.9					
R-4	1	11.8	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
R-4	1		Acidity	STL00003	Target	370				mg/Kg	50	7.9					
R-3	5		Acidity	STL00003	Target	5720		5010		mg/Kg	250	40	100	1	61	112	20
R-3	5		Acidity	STL00003	Target	5690		5010		mg/Kg	250	40	100	1	61	112	20
R-3	1	10.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
R-3	5		Acidity	STL00003	Target	690				mg/Kg	250	40					
R-22	1	17.2	Sulfide	18496-25-8	Target	ND				mg/Kg	6.1	2.9					
R-22	5		Acidity	STL00003	Target	10000				mg/Kg	250	40					
R-20	1	17.5	Sulfide	18496-25-8	Target	ND				mg/Kg	6.1	2.9					
R-20	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
R-2	1	10.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
R-2	5		Acidity	STL00003	Target	2800				mg/Kg	250	40					
R-19	1	10.5	Sulfide	18496-25-8	Target	ND				mg/Kg	28000	13000					
R-19	1		Acidity	STL00003	Target	300				mg/Kg	50	7.9					
R-18	1	10.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
R-18	1		Acidity	STL00003	Target	2300				mg/Kg	50	7.9					
R-16	1	7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.4	2.6					
R-16	1		Acidity	STL00003	Target	5200			B	mg/Kg	50	7.9					
R-15	1	10.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
R-15	1		Acidity	STL00003	Target	2000				mg/Kg	50	7.9					
R-14	1	8.3	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.6					
R-14	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
R-13	1	7.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.4	2.6					
R-13	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
R-1	1	16.8	Sulfide	18496-25-8	Target	ND				mg/Kg	6	2.9					
R-1	5		Acidity	STL00003	Target	11000				mg/Kg	250	40					
R-1	1	16.8	Sulfide	18496-25-8	Target	43.3		109	F	mg/Kg	6	2.9	40	4	47	100	35
R-1	5		Acidity	STL00003	Target	18200		998	4	mg/Kg	250	39	760	11	61	112	20
R-1	1	16.8	Sulfide	18496-25-8	Target	45.1		109	F	mg/Kg	6	2.9	41	4	47	100	35
R-1	5		Acidity	STL00003	Target	16200		1000	4	mg/Kg	250	40	561	11	61	112	20
INTRA-LAB BLANK	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	16.8			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	16.9			J	mg/Kg	50	7.9					

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
INTRA-LAB BLANK	CAN	280-32025-1	MB 240-55492/1-A	Solid	MB	8/31/2012 13:24	8/31/2012 13:24	8/31/2012 13:24	8/31/2012 13:24	SM SM 2310B	240-56486	ASTM
INTRA-LAB BLANK	DEN	280-32025-1	MB 280-132411/2-A	Solid	MB	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
INTRA-LAB BLANK	DEN	280-32025-1	MB 280-132562/3-A	Solid	MB	8/15/2012 7:55	8/15/2012 7:55	8/15/2012 7:55	8/15/2012 14:09	SW846 9034	280-132562	Total
INTRA-LAB BLANK	DEN	280-32025-1	MB 280-132767/2-A	Solid	MB	8/16/2012 6:46	8/16/2012 6:46	8/16/2012 6:46	8/16/2012 13:40	SW846 9034	280-132767	Total
DUPLICATE CHECK	DEN	280-32025-1	LCSD 280-132562/2-A	Solid	LCSD	8/15/2012 7:55	8/15/2012 7:55	8/15/2012 7:55	8/15/2012 14:09	SW846 9034	280-132562	Total
CHECK SAMPLE	CAN	280-32025-1	LCS 240-54228/2-A	Solid	LCS	8/20/2012 12:59	8/20/2012 12:59	8/20/2012 12:59	8/20/2012 12:59	SM SM 2310B	240-55048	ASTM
CHECK SAMPLE	CAN	280-32025-1	LCS 240-54286/2-A	Solid	LCS	8/21/2012 12:28	8/21/2012 12:28	8/21/2012 12:28	8/21/2012 12:28	SM SM 2310B	240-55222	ASTM
CHECK SAMPLE	CAN	280-32025-1	LCS 240-54532/2-A	Solid	LCS	8/22/2012 12:24	8/22/2012 12:24	8/22/2012 12:24	8/22/2012 12:24	SM SM 2310B	240-55386	ASTM
CHECK SAMPLE	CAN	280-32025-1	LCS 240-55492/2-A	Solid	LCS	8/31/2012 13:20	8/31/2012 13:20	8/31/2012 13:20	8/31/2012 13:20	SM SM 2310B	240-56486	ASTM
CHECK SAMPLE	DEN	280-32025-1	LCS 280-132411/1-A	Solid	LCS	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
CHECK SAMPLE	DEN	280-32025-1	LCS 280-132562/1-A	Solid	LCS	8/15/2012 7:55	8/15/2012 7:55	8/15/2012 7:55	8/15/2012 14:09	SW846 9034	280-132562	Total
CHECK SAMPLE	DEN	280-32025-1	LCS 280-132767/1-A	Solid	LCS	8/16/2012 6:46	8/16/2012 6:46	8/16/2012 6:46	8/16/2012 13:40	SW846 9034	280-132767	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
INTRA-LAB BLANK	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					
DUPLICATE CHECK	1		Sulfide	18496-25-8	Target	62.4		90.8		mg/Kg	5	2.4	69	0	47	100	35
CHECK SAMPLE	1		Acidity	STL00003	Target	2600		2510		mg/Kg	50	7.9	104		80	133	
CHECK SAMPLE	1		Acidity	STL00003	Target	2600		2510		mg/Kg	50	7.9	104		80	133	
CHECK SAMPLE	1		Acidity	STL00003	Target	2570		2500		mg/Kg	50	7.9	103		80	133	
CHECK SAMPLE	1		Acidity	STL00003	Target	2570		2500		mg/Kg	50	7.9	103		80	133	
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	47.2		90.8		mg/Kg	5	2.4	52		47	100	
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	62.4		90.8		mg/Kg	5	2.4	69	0	47	100	35
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	77.6		94		mg/Kg	5	2.4	83		47	100	

APPENDIX F.27
TESTAMERICA: SDG 280-32217-1 (SULFIDE AND ACID)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
RB2-10	DEN	280-32217-1	280-32217-1	Solid	SA	8/15/2012 10:10	8/16/2012 9:54	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
RB2-10	CAN	280-32217-1	280-32217-1	Solid	SA	8/15/2012 10:10	8/16/2012 9:54	8/22/2012 16:34	8/22/2012 16:34	SM SM 2310B	240-55386	ASTM
RB2-20	DEN	280-32217-1	280-32217-2	Solid	SA	8/15/2012 10:35	8/16/2012 9:54	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
RB2-20	CAN	280-32217-1	280-32217-2	Solid	SA	8/15/2012 10:35	8/16/2012 9:54	8/22/2012 16:52	8/22/2012 16:52	SM SM 2310B	240-55386	ASTM
RB2-30	DEN	280-32217-1	280-32217-3	Solid	SA	8/15/2012 11:10	8/16/2012 9:54	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
RB2-30	CAN	280-32217-1	280-32217-3	Solid	SA	8/15/2012 11:10	8/16/2012 9:54	8/22/2012 17:00	8/22/2012 17:00	SM SM 2310B	240-55386	ASTM
FB15	DEN	280-32217-1	280-32217-4	Water	SA	8/15/2012 10:10	8/16/2012 9:54	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
FB15	DEN	280-32217-1	280-32217-4	Water	SA	8/15/2012 10:10	8/16/2012 9:54	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
RB15	DEN	280-32217-1	280-32217-5	Water	SA	8/15/2012 10:55	8/16/2012 9:54	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
RB15	DEN	280-32217-1	280-32217-5	Water	SA	8/15/2012 10:55	8/16/2012 9:54	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
RB1-10	DEN	280-32217-1	280-32217-6	Solid	SA	8/15/2012 13:35	8/16/2012 9:54	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
RB1-10	CAN	280-32217-1	280-32217-6	Solid	SA	8/15/2012 13:35	8/16/2012 9:54	8/22/2012 17:22	8/22/2012 17:22	SM SM 2310B	240-55386	ASTM
RB1-20	DEN	280-32217-1	280-32217-7	Solid	SA	8/15/2012 13:55	8/16/2012 9:54	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
RB1-20	CAN	280-32217-1	280-32217-7	Solid	SA	8/15/2012 13:55	8/16/2012 9:54	8/22/2012 17:29	8/22/2012 17:29	SM SM 2310B	240-55386	ASTM
CHECK SAMPLE	CAN	280-32217-1	LCS 240-54823/2-A	Solid	LCS	8/22/2012 13:18	8/22/2012 13:18	8/22/2012 13:18	8/22/2012 13:18	SM SM 2310B	240-55386	ASTM
CHECK SAMPLE	DEN	280-32217-1	LCS 280-133018/1-A	Solid	LCS	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
CHECK SAMPLE	DEN	280-32217-1	LCS 280-133367/1	Water	LCS	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
CHECK SAMPLE	DEN	280-32217-1	LCS 280-133467/1-A	Water	LCS	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
DUPLICATE CHECK	DEN	280-32217-1	LCSD 280-133367/2	Water	LCSD	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
DUPLICATE CHECK	DEN	280-32217-1	LCSD 280-133467/2-A	Water	LCSD	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
INTRA-LAB BLANK	CAN	280-32217-1	MB 240-54823/1-A	Solid	MB	8/22/2012 13:25	8/22/2012 13:25	8/22/2012 13:25	8/22/2012 13:25	SM SM 2310B	240-55386	ASTM
INTRA-LAB BLANK	DEN	280-32217-1	MB 280-133018/2-A	Solid	MB	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 7:01	8/17/2012 13:35	SW846 9034	280-133018	Total
INTRA-LAB BLANK	DEN	280-32217-1	MB 280-133367/3	Water	MB	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
INTRA-LAB BLANK	DEN	280-32217-1	MB 280-133467/3-A	Water	MB	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
RB2-10	1	13	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
RB2-10	1		Acidity	STL00003	Target	1200			B	mg/Kg	50	7.9					
RB2-20	1	10.4	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
RB2-20	1		Acidity	STL00003	Target	4300			B	mg/Kg	50	7.9					
RB2-30	1	8.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.6					
RB2-30	1		Acidity	STL00003	Target	1400			B	mg/Kg	50	7.9					
FB15	1		Sulfide	18496-25-8	Target	ND				mg/L	4	0.79					
FB15	1		Acidity	STL00003	Target	46			B	mg/L	10	2					
RB15	1		Sulfide	18496-25-8	Target	ND				mg/L	4	0.79					
RB15	1		Acidity	STL00003	Target	22			B	mg/L	10	2					
RB1-10	1	10	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
RB1-10	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
RB1-20	1	15.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
RB1-20	1		Acidity	STL00003	Target	50			B	mg/Kg	50	7.9					
CHECK SAMPLE	1		Acidity	STL00003	Target	2490		2500		mg/Kg	50	7.9	99		80	133	
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	60.8		91.3		mg/Kg	5	2.4	67		47	100	
CHECK SAMPLE	1		Acidity	STL00003	Target	102		100		mg/L	10	2	102	4	90	110	10
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	11.7		18.2		mg/L	4	0.79	64	4	48	100	20
DUPLICATE CHECK	1		Acidity	STL00003	Target	106		100		mg/L	10	2	106	4	90	110	10
DUPLICATE CHECK	1		Sulfide	18496-25-8	Target	11.2		18.2		mg/L	4	0.79	62	4	48	100	20
INTRA-LAB BLANK	1		Acidity	STL00003	Target	14.9			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	2			J	mg/L	10	2					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/L	4	0.79					

APPENDIX F.28
TESTAMERICA: SDG 280-32278-1 (SULFIDE AND ACID)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
GB2-40	DEN	280-32278-1	280-32278-1	Solid	SA	8/14/2012 9:30	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB2-40	CAN	280-32278-1	280-32278-1	Solid	SA	8/14/2012 9:30	8/17/2012 9:00	8/23/2012 12:08	8/23/2012 12:08	SM SM 2310B	240-55548	ASTM
RB14	DEN	280-32278-1	280-32278-10	Water	SA	8/14/2012 10:40	8/17/2012 9:00	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
RB14	DEN	280-32278-1	280-32278-10	Water	SA	8/14/2012 10:40	8/17/2012 9:00	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
OM-5	DEN	280-32278-1	280-32278-11	Solid	SA	8/14/2012 11:40	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
OM-5	CAN	280-32278-1	280-32278-11	Solid	SA	8/14/2012 11:40	8/17/2012 9:00	9/4/2012 14:12	9/4/2012 14:12	SM SM 2310B	240-56752	ASTM
OM-3	DEN	280-32278-1	280-32278-12	Solid	SA	8/14/2012 12:05	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
OM-3	CAN	280-32278-1	280-32278-12	Solid	SA	8/14/2012 12:05	8/17/2012 9:00	9/4/2012 14:20	9/4/2012 14:20	SM SM 2310B	240-56752	ASTM
OM-6	DEN	280-32278-1	280-32278-13	Solid	SA	8/14/2012 12:20	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
OM-6	CAN	280-32278-1	280-32278-13	Solid	SA	8/14/2012 12:20	8/17/2012 9:00	9/4/2012 14:30	9/4/2012 14:30	SM SM 2310B	240-56752	ASTM
OM-4	DEN	280-32278-1	280-32278-14	Solid	SA	8/14/2012 12:35	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
OM-4	CAN	280-32278-1	280-32278-14	Solid	SA	8/14/2012 12:35	8/17/2012 9:00	8/23/2012 15:40	8/23/2012 15:40	SM SM 2310B	240-55548	ASTM
NM-1	DEN	280-32278-1	280-32278-15	Solid	SA	8/14/2012 13:10	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
NM-1	CAN	280-32278-1	280-32278-15	Solid	SA	8/14/2012 13:10	8/17/2012 9:00	8/23/2012 15:51	8/23/2012 15:51	SM SM 2310B	240-55548	ASTM
NM-1	DEN	280-32278-1	280-32278-15	Solid	MS	8/14/2012 13:10	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
NM-1	CAN	280-32278-1	280-32278-15	Solid	MS	8/14/2012 13:10	8/17/2012 9:00	8/23/2012 16:02	8/23/2012 16:02	SM SM 2310B	240-55548	ASTM
NM-1	DEN	280-32278-1	280-32278-15	Solid	MSD	8/14/2012 13:10	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
NM-1	CAN	280-32278-1	280-32278-15	Solid	MSD	8/14/2012 13:10	8/17/2012 9:00	8/23/2012 16:15	8/23/2012 16:15	SM SM 2310B	240-55548	ASTM
NM-11	DEN	280-32278-1	280-32278-16	Solid	SA	8/14/2012 13:11	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
NM-11	CAN	280-32278-1	280-32278-16	Solid	SA	8/14/2012 13:11	8/17/2012 9:00	8/23/2012 16:25	8/23/2012 16:25	SM SM 2310B	240-55548	ASTM
NM-2	DEN	280-32278-1	280-32278-17	Solid	SA	8/14/2012 13:30	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
NM-2	CAN	280-32278-1	280-32278-17	Solid	SA	8/14/2012 13:30	8/17/2012 9:00	8/23/2012 16:34	8/23/2012 16:34	SM SM 2310B	240-55548	ASTM
OM-1	DEN	280-32278-1	280-32278-18	Solid	SA	8/14/2012 14:00	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
OM-1	CAN	280-32278-1	280-32278-18	Solid	SA	8/14/2012 14:00	8/17/2012 9:00	9/6/2012 15:48	9/6/2012 15:48	SM SM 2310B	240-57127	ASTM
OM-2	DEN	280-32278-1	280-32278-19	Solid	SA	8/14/2012 14:15	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
OM-2	CAN	280-32278-1	280-32278-19	Solid	SA	8/14/2012 14:15	8/17/2012 9:00	9/6/2012 15:54	9/6/2012 15:54	SM SM 2310B	240-57127	ASTM
GB1-10	DEN	280-32278-1	280-32278-2	Solid	SA	8/14/2012 9:30	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB1-10	CAN	280-32278-1	280-32278-2	Solid	SA	8/14/2012 9:30	8/17/2012 9:00	9/4/2012 13:46	9/4/2012 13:46	SM SM 2310B	240-56752	ASTM
NM-7	DEN	280-32278-1	280-32278-20	Solid	SA	8/14/2012 14:20	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
NM-7	CAN	280-32278-1	280-32278-20	Solid	SA	8/14/2012 14:20	8/17/2012 9:00	8/23/2012 17:21	8/23/2012 17:21	SM SM 2310B	240-55548	ASTM
GB1-10	DEN	280-32278-1	280-32278-2	Solid	MS	8/14/2012 9:30	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB1-10	CAN	280-32278-1	280-32278-2	Solid	MS	8/14/2012 9:30	8/17/2012 9:00	9/4/2012 13:55	9/4/2012 13:55	SM SM 2310B	240-56752	ASTM
GB1-10	DEN	280-32278-1	280-32278-2	Solid	MSD	8/14/2012 9:30	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB1-10	CAN	280-32278-1	280-32278-2	Solid	MSD	8/14/2012 9:30	8/17/2012 9:00	9/4/2012 14:04	9/4/2012 14:04	SM SM 2310B	240-56752	ASTM
GB1-20	DEN	280-32278-1	280-32278-3	Solid	SA	8/14/2012 10:15	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB1-20	CAN	280-32278-1	280-32278-3	Solid	SA	8/14/2012 10:15	8/17/2012 9:00	8/23/2012 13:15	8/23/2012 13:15	SM SM 2310B	240-55548	ASTM
GB1-30	DEN	280-32278-1	280-32278-4	Solid	SA	8/14/2012 10:55	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB1-30	CAN	280-32278-1	280-32278-4	Solid	SA	8/14/2012 10:55	8/17/2012 9:00	8/23/2012 13:28	8/23/2012 13:28	SM SM 2310B	240-55548	ASTM
GB2-10	DEN	280-32278-1	280-32278-5	Solid	SA	8/14/2012 13:00	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB2-10	CAN	280-32278-1	280-32278-5	Solid	SA	8/14/2012 13:00	8/17/2012 9:00	8/23/2012 13:43	8/23/2012 13:43	SM SM 2310B	240-55548	ASTM
GB2-20	DEN	280-32278-1	280-32278-6	Solid	SA	8/14/2012 13:35	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
GB2-40	1	17.6	Sulfide	18496-25-8	Target	ND				mg/Kg	6	2.9					
GB2-40	1		Acidity	STL00003	Target	6100			B	mg/Kg	50	7.9					
RB14	1		Sulfide	18496-25-8	Target	ND				mg/L	4	0.79					
RB14	1		Acidity	STL00003	Target	2			J B	mg/L	10	2					
OM-5	1	12.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.8					
OM-5	5		Acidity	STL00003	Target	6400			B	mg/Kg	250	40					
OM-3	1	5.3	Sulfide	18496-25-8	Target	ND				mg/Kg	5.3	2.5					
OM-3	5		Acidity	STL00003	Target	7800			B	mg/Kg	250	39					
OM-6	1	13.3	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
OM-6	5		Acidity	STL00003	Target	12000			B	mg/Kg	250	40					
OM-4	1	15.8	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
OM-4	1		Acidity	STL00003	Target	2400			B	mg/Kg	50	7.9					
NM-1	1	9.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.7					
NM-1	1		Acidity	STL00003	Target	2100			B	mg/Kg	50	7.9					
NM-1	1	9.9	Sulfide	18496-25-8	Target	50.6		101		mg/Kg	5.6	2.7	50	7	47	100	35
NM-1	1		Acidity	STL00003	Target	2900		998		mg/Kg	50	7.9	79	8	61	112	20
NM-1	1	9.9	Sulfide	18496-25-8	Target	47.1		101	F	mg/Kg	5.6	2.7	46	7	47	100	35
NM-1	1		Acidity	STL00003	Target	3140		995		mg/Kg	50	7.9	103	8	61	112	20
NM-11	1	10.2	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
NM-11	1		Acidity	STL00003	Target	1900			B	mg/Kg	50	7.9					
NM-2	1	13.3	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
NM-2	1		Acidity	STL00003	Target	1100			B	mg/Kg	50	7.9					
OM-1	1	4.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.2	2.5					
OM-1	10		Acidity	STL00003	Target	10000				mg/Kg	500	79					
OM-2	1	13.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
OM-2	10		Acidity	STL00003	Target	6900				mg/Kg	500	79					
GB1-10	1	16.9	Sulfide	18496-25-8	Target	ND				mg/Kg	6	2.9					
GB1-10	5		Acidity	STL00003	Target	5600			B	mg/Kg	250	39					
NM-7	1	13.4	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
NM-7	1		Acidity	STL00003	Target	350			B	mg/Kg	50	7.9					
GB1-10	1	16.9	Sulfide	18496-25-8	Target	45.2		110	F	mg/Kg	6	2.9	41	4	47	100	35
GB1-10	5		Acidity	STL00003	Target	10800		5000		mg/Kg	250	39	104	4	61	112	20
GB1-10	1	16.9	Sulfide	18496-25-8	Target	43.2		110	F	mg/Kg	6	2.9	39	4	47	100	35
GB1-10	5		Acidity	STL00003	Target	10400		5000		mg/Kg	250	39	96	4	61	112	20
GB1-20	1	14.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
GB1-20	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
GB1-30	1	13.8	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
GB1-30	1		Acidity	STL00003	Target	2200			B	mg/Kg	50	7.9					
GB2-10	1	13.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
GB2-10	1		Acidity	STL00003	Target	3900			B	mg/Kg	50	7.9					
GB2-20	1	8.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.6					

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
GB2-20	CAN	280-32278-1	280-32278-6	Solid	SA	8/14/2012 13:35	8/17/2012 9:00	8/23/2012 13:59	8/23/2012 13:59	SM SM 2310B	240-55548	ASTM
GB2-30	DEN	280-32278-1	280-32278-7	Solid	SA	8/14/2012 14:30	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
GB2-30	CAN	280-32278-1	280-32278-7	Solid	SA	8/14/2012 14:30	8/17/2012 9:00	8/23/2012 14:14	8/23/2012 14:14	SM SM 2310B	240-55548	ASTM
NM3	DEN	280-32278-1	280-32278-8	Solid	SA	8/14/2012 14:40	8/17/2012 9:00	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
NM3	CAN	280-32278-1	280-32278-8	Solid	SA	8/14/2012 14:40	8/17/2012 9:00	8/23/2012 14:28	8/23/2012 14:28	SM SM 2310B	240-55548	ASTM
FB14	DEN	280-32278-1	280-32278-9	Water	SA	8/14/2012 10:10	8/17/2012 9:00	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
FB14	DEN	280-32278-1	280-32278-9	Water	SA	8/14/2012 10:10	8/17/2012 9:00	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
CHECK SAMPLE	CAN	280-32278-1	LCS 240-55184/2-A	Solid	LCS	8/23/2012 11:43	8/23/2012 11:43	8/23/2012 11:43	8/23/2012 11:43	SM SM 2310B	240-55548	ASTM
CHECK SAMPLE	CAN	280-32278-1	LCS 240-56336/2-A	Solid	LCS	9/4/2012 13:36	9/4/2012 13:36	9/4/2012 13:36	9/4/2012 13:36	SM SM 2310B	240-56752	ASTM
CHECK SAMPLE	CAN	280-32278-1	LCS 240-56336/2-A	Solid	LCS	9/6/2012 15:37	9/6/2012 15:37	9/6/2012 15:37	9/6/2012 15:37	SM SM 2310B	240-57127	ASTM
CHECK SAMPLE	DEN	280-32278-1	LCS 280-133267/1-A	Solid	LCS	8/20/2012 7:36	8/20/2012 7:36	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
CHECK SAMPLE	DEN	280-32278-1	LCS 280-133367/1	Water	LCS	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
CHECK SAMPLE	DEN	280-32278-1	LCS 280-133467/1-A	Water	LCS	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
DUPLICATE CHECK	DEN	280-32278-1	LCSD 280-133367/2	Water	LCSD	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
DUPLICATE CHECK	DEN	280-32278-1	LCSD 280-133467/2-A	Water	LCSD	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total
INTRA-LAB BLANK	CAN	280-32278-1	MB 240-55184/1-A	Solid	MB	8/23/2012 11:47	8/23/2012 11:47	8/23/2012 11:47	8/23/2012 11:47	SM SM 2310B	240-55548	ASTM
INTRA-LAB BLANK	CAN	280-32278-1	MB 240-56336/1-A	Solid	MB	9/4/2012 13:40	9/4/2012 13:40	9/4/2012 13:40	9/4/2012 13:40	SM SM 2310B	240-56752	ASTM
INTRA-LAB BLANK	CAN	280-32278-1	MB 240-56336/1-A	Solid	MB	9/6/2012 15:41	9/6/2012 15:41	9/6/2012 15:41	9/6/2012 15:41	SM SM 2310B	240-57127	ASTM
INTRA-LAB BLANK	DEN	280-32278-1	MB 280-133267/2-A	Solid	MB	8/20/2012 7:36	8/20/2012 7:36	8/20/2012 7:36	8/20/2012 13:39	SW846 9034	280-133267	Total
INTRA-LAB BLANK	DEN	280-32278-1	MB 280-133367/3	Water	MB	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	8/20/2012 10:39	SM SM 2310B	280-133367	Total
INTRA-LAB BLANK	DEN	280-32278-1	MB 280-133467/3-A	Water	MB	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 7:11	8/21/2012 13:46	SW846 9034	280-133467	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
GB2-20	1		Acidity	STL00003	Target	3900			B	mg/Kg	50	7.9					
GB2-30	1	9.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.5	2.7					
GB2-30	1		Acidity	STL00003	Target	2700			B	mg/Kg	50	7.9					
NM3	1	12.8	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
NM3	1		Acidity	STL00003	Target	3700			B	mg/Kg	50	7.9					
FB14	1		Sulfide	18496-25-8	Target	ND				mg/L	4	0.79					
FB14	1		Acidity	STL00003	Target	ND				mg/L	10	2					
CHECK SAMPLE	1		Acidity	STL00003	Target	2580		2510		mg/Kg	50	7.9	103		80	133	
CHECK SAMPLE	1		Acidity	STL00003	Target	2660		2500		mg/Kg	50	7.9	106		80	133	
CHECK SAMPLE	1		Acidity	STL00003	Target	2600		2500		mg/Kg	50	7.9	104		80	133	
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	55.9		91		mg/Kg	5	2.4	61		47	100	
CHECK SAMPLE	1		Acidity	STL00003	Target	102		100		mg/L	10	2	102	4	90	110	10
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	11.7		18.2		mg/L	4	0.79	64	4	48	100	20
DUPLICATE CHECK	1		Acidity	STL00003	Target	106		100		mg/L	10	2	106	4	90	110	10
DUPLICATE CHECK	1		Sulfide	18496-25-8	Target	11.2		18.2		mg/L	4	0.79	62	4	48	100	20
INTRA-LAB BLANK	1		Acidity	STL00003	Target	22.5			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	20.3			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	2			J	mg/L	10	2					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/L	4	0.79					

APPENDIX F.29
TESTAMERICA: SDG 280-31994-1 (SULFIDE AND ACID)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
G-18	DEN	280-31994-1	280-31994-1	Solid	SA	8/7/2012 9:00	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:59	SW846 9034	280-131999	Total
G-18	CAN	280-31994-1	280-31994-1	Solid	SA	8/7/2012 9:00	8/9/2012 9:00	8/16/2012 15:45	8/16/2012 15:45	SM SM 2310B	240-54723	ASTM
R-11	DEN	280-31994-1	280-31994-10	Solid	SA	8/7/2012 12:50	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
R-11	CAN	280-31994-1	280-31994-10	Solid	SA	8/7/2012 12:50	8/9/2012 9:00	8/16/2012 17:08	8/16/2012 17:08	SM SM 2310B	240-54723	ASTM
R-10	DEN	280-31994-1	280-31994-11	Solid	SA	8/7/2012 13:00	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
R-10	CAN	280-31994-1	280-31994-11	Solid	SA	8/7/2012 13:00	8/9/2012 9:00	8/16/2012 17:16	8/16/2012 17:16	SM SM 2310B	240-54723	ASTM
R-17	DEN	280-31994-1	280-31994-12	Solid	SA	8/7/2012 14:35	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-17	CAN	280-31994-1	280-31994-12	Solid	SA	8/7/2012 14:35	8/9/2012 9:00	8/17/2012 11:51	8/17/2012 11:51	SM SM 2310B	240-54860	ASTM
R-21	DEN	280-31994-1	280-31994-13	Solid	SA	8/7/2012 15:10	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-21	CAN	280-31994-1	280-31994-13	Solid	SA	8/7/2012 15:10	8/9/2012 9:00	8/17/2012 11:57	8/17/2012 11:57	SM SM 2310B	240-54860	ASTM
R-12	DEN	280-31994-1	280-31994-14	Solid	SA	8/7/2012 15:30	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-12	CAN	280-31994-1	280-31994-14	Solid	SA	8/7/2012 15:30	8/9/2012 9:00	8/17/2012 12:05	8/17/2012 12:05	SM SM 2310B	240-54860	ASTM
R-5	DEN	280-31994-1	280-31994-15	Solid	SA	8/7/2012 15:50	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
R-5	CAN	280-31994-1	280-31994-15	Solid	SA	8/7/2012 15:50	8/9/2012 9:00	8/17/2012 12:14	8/17/2012 12:14	SM SM 2310B	240-54860	ASTM
G-1	DEN	280-31994-1	280-31994-16	Solid	SA	8/7/2012 14:45	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
G-1	CAN	280-31994-1	280-31994-16	Solid	SA	8/7/2012 14:45	8/9/2012 9:00	8/17/2012 12:20	8/17/2012 12:20	SM SM 2310B	240-54860	ASTM
G-1	DEN	280-31994-1	280-31994-16	Solid	MS	8/7/2012 14:45	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
G-1	CAN	280-31994-1	280-31994-16	Solid	MS	8/7/2012 14:45	8/9/2012 9:00	8/17/2012 12:29	8/17/2012 12:29	SM SM 2310B	240-54860	ASTM
G-1	DEN	280-31994-1	280-31994-16	Solid	MSD	8/7/2012 14:45	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
G-1	CAN	280-31994-1	280-31994-16	Solid	MSD	8/7/2012 14:45	8/9/2012 9:00	8/17/2012 12:40	8/17/2012 12:40	SM SM 2310B	240-54860	ASTM
G-20	DEN	280-31994-1	280-31994-17	Solid	SA	8/7/2012 14:45	8/9/2012 9:00	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
G-20	CAN	280-31994-1	280-31994-17	Solid	SA	8/7/2012 14:45	8/9/2012 9:00	8/17/2012 12:46	8/17/2012 12:46	SM SM 2310B	240-54860	ASTM
G-8	DEN	280-31994-1	280-31994-2	Solid	SA	8/7/2012 9:35	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-8	CAN	280-31994-1	280-31994-2	Solid	SA	8/7/2012 9:35	8/9/2012 9:00	8/16/2012 15:55	8/16/2012 15:55	SM SM 2310B	240-54723	ASTM
G-2	DEN	280-31994-1	280-31994-3	Solid	SA	8/7/2012 10:15	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-2	CAN	280-31994-1	280-31994-3	Solid	SA	8/7/2012 10:15	8/9/2012 9:00	8/16/2012 16:11	8/16/2012 16:11	SM SM 2310B	240-54723	ASTM
G-13	DEN	280-31994-1	280-31994-4	Solid	SA	8/7/2012 10:40	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-13	CAN	280-31994-1	280-31994-4	Solid	SA	8/7/2012 10:40	8/9/2012 9:00	8/16/2012 16:20	8/16/2012 16:20	SM SM 2310B	240-54723	ASTM
G-17	DEN	280-31994-1	280-31994-5	Solid	SA	8/7/2012 11:00	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-17	CAN	280-31994-1	280-31994-5	Solid	SA	8/7/2012 11:00	8/9/2012 9:00	8/16/2012 16:24	8/16/2012 16:24	SM SM 2310B	240-54723	ASTM
G-4	DEN	280-31994-1	280-31994-6	Solid	SA	8/7/2012 13:00	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-4	CAN	280-31994-1	280-31994-6	Solid	SA	8/7/2012 13:00	8/9/2012 9:00	8/16/2012 16:37	8/16/2012 16:37	SM SM 2310B	240-54723	ASTM
G-3	DEN	280-31994-1	280-31994-7	Solid	SA	8/7/2012 13:45	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-3	CAN	280-31994-1	280-31994-7	Solid	SA	8/7/2012 13:45	8/9/2012 9:00	8/16/2012 16:45	8/16/2012 16:45	SM SM 2310B	240-54723	ASTM
G-6	DEN	280-31994-1	280-31994-8	Solid	SA	8/7/2012 15:15	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-6	CAN	280-31994-1	280-31994-8	Solid	SA	8/7/2012 15:15	8/9/2012 9:00	8/16/2012 16:54	8/16/2012 16:54	SM SM 2310B	240-54723	ASTM
G-7	DEN	280-31994-1	280-31994-9	Solid	SA	8/7/2012 15:30	8/9/2012 9:00	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
G-7	CAN	280-31994-1	280-31994-9	Solid	SA	8/7/2012 15:30	8/9/2012 9:00	8/16/2012 16:59	8/16/2012 16:59	SM SM 2310B	240-54723	ASTM
CHECK SAMPLE	CAN	280-31994-1	LCS 240-54203/2-A	Solid	LCS	8/16/2012 14:09	8/16/2012 14:09	8/16/2012 14:09	8/16/2012 14:09	SM SM 2310B	240-54723	ASTM
CHECK SAMPLE	CAN	280-31994-1	LCS 240-54228/2-A	Solid	LCS	8/17/2012 11:40	8/17/2012 11:40	8/17/2012 11:40	8/17/2012 11:40	SM SM 2310B	240-54860	ASTM
CHECK SAMPLE	DEN	280-31994-1	LCS 280-131999/1-A	Solid	LCS	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
G-18	1	12.4	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
G-18	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
R-11	1	15.6	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
R-11	1		Acidity	STL00003	Target	1800			B	mg/Kg	50	7.9					
R-10	1	13.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
R-10	1		Acidity	STL00003	Target	1500			B	mg/Kg	50	7.9					
R-17	1	10.2	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
R-17	1		Acidity	STL00003	Target	360			B	mg/Kg	50	7.9					
R-21	1	15.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
R-21	1		Acidity	STL00003	Target	310			B	mg/Kg	50	7.9					
R-12	1	12.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
R-12	1		Acidity	STL00003	Target	1300			B	mg/Kg	50	7.9					
R-5	1	13.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
R-5	1		Acidity	STL00003	Target	1500			B	mg/Kg	50	7.9					
G-1	1	12.5	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
G-1	1		Acidity	STL00003	Target	1000			B	mg/Kg	50	7.9					
G-1	1	12.5	Sulfide	18496-25-8	Target	60.5		104		mg/Kg	5.7	2.7	58	6	47	100	35
G-1	1		Acidity	STL00003	Target	2100		1000		mg/Kg	50	7.9	109	12	61	112	20
G-1	1	12.5	Sulfide	18496-25-8	Target	56.9		104		mg/Kg	5.7	2.8	55	6	47	100	35
G-1	1		Acidity	STL00003	Target	1850		997		mg/Kg	50	7.9	85	12	61	112	20
G-20	1	13.2	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.8					
G-20	1		Acidity	STL00003	Target	980			B	mg/Kg	50	7.9					
G-8	1	13.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.8	2.8					
G-8	1		Acidity	STL00003	Target	1300			B	mg/Kg	50	7.9					
G-2	1	14.9	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
G-2	1		Acidity	STL00003	Target	3900			B	mg/Kg	50	7.9					
G-13	1	14.7	Sulfide	18496-25-8	Target	ND				mg/Kg	5.9	2.8					
G-13	1		Acidity	STL00003	Target	1400			B	mg/Kg	50	7.9					
G-17	1	25.2	Sulfide	18496-25-8	Target	ND				mg/Kg	6.7	3.2					
G-17	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
G-4	1	12.2	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
G-4	1		Acidity	STL00003	Target	3100			B	mg/Kg	50	7.9					
G-3	1	12.1	Sulfide	18496-25-8	Target	ND				mg/Kg	5.7	2.7					
G-3	1		Acidity	STL00003	Target	1300			B	mg/Kg	50	7.9					
G-6	1	19.4	Sulfide	18496-25-8	Target	ND				mg/Kg	6.2	3					
G-6	1		Acidity	STL00003	Target	950			B	mg/Kg	50	7.9					
G-7	1	11	Sulfide	18496-25-8	Target	ND				mg/Kg	5.6	2.7					
G-7	1		Acidity	STL00003	Target	ND				mg/Kg	50	7.9					
CHECK SAMPLE	1		Acidity	STL00003	Target	2460		2500		mg/Kg	50	7.9	98		80	133	
CHECK SAMPLE	1		Acidity	STL00003	Target	2570		2510		mg/Kg	50	7.9	102		80	133	
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	69.8		97.9		mg/Kg	5	2.4	71		47	100	

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type
CHECK SAMPLE	DEN	280-31994-1	LCS 280-132411/1-A	Solid	LCS	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total
INTRA-LAB BLANK	CAN	280-31994-1	MB 240-54203/1-A	Solid	MB	8/16/2012 14:12	8/16/2012 14:12	8/16/2012 14:12	8/16/2012 14:12	SM SM 2310B	240-54723	ASTM
INTRA-LAB BLANK	CAN	280-31994-1	MB 240-54228/1-A	Solid	MB	8/17/2012 11:45	8/17/2012 11:45	8/17/2012 11:45	8/17/2012 11:45	SM SM 2310B	240-54860	ASTM
INTRA-LAB BLANK	DEN	280-31994-1	MB 280-131999/2-A	Solid	MB	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 7:23	8/10/2012 12:58	SW846 9034	280-131999	Total
INTRA-LAB BLANK	DEN	280-31994-1	MB 280-132411/2-A	Solid	MB	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 8:03	8/14/2012 13:59	SW846 9034	280-132411	Total

Client Sample ID	Dilution	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
CHECK SAMPLE	1		Sulfide	18496-25-8	Target	47.2		90.8		mg/Kg	5	2.4	52		47	100	
INTRA-LAB BLANK	1		Acidity	STL00003	Target	29.8			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Acidity	STL00003	Target	12.4			J	mg/Kg	50	7.9					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					
INTRA-LAB BLANK	1		Sulfide	18496-25-8	Target	ND				mg/Kg	5	2.4					

APPENDIX F.30
TESTAMERICA: SDG 280-32146-2 (GOLD)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
NB1-10	STL	280-32146-2	280-32146-1	Solid	SA	8/13/2012 10:20	8/15/2012 9:30	9/17/2012 8:18	9/22/2012 7:30	SW846 6020A	160-11091	Total	2
NB1-20	STL	280-32146-2	280-32146-2	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	9/17/2012 8:18	9/22/2012 7:37	SW846 6020A	160-11091	Total	2
NB1-20	STL	280-32146-2	280-32146-2	Solid	MS	8/13/2012 12:20	8/15/2012 9:30	9/17/2012 8:18	9/22/2012 7:50	SW846 6020A	160-11091	Total	2
NB1-20	STL	280-32146-2	280-32146-2	Solid	MSD	8/13/2012 12:20	8/15/2012 9:30	9/17/2012 8:18	9/22/2012 7:57	SW846 6020A	160-11091	Total	2
NB1-40	STL	280-32146-2	280-32146-3	Solid	SA	8/13/2012 12:20	8/15/2012 9:30	9/17/2012 8:18	9/22/2012 8:04	SW846 6020A	160-11091	Total	2
NB1-30	STL	280-32146-2	280-32146-4	Solid	SA	8/13/2012 13:05	8/15/2012 9:30	9/17/2012 8:18	9/22/2012 7:02	SW846 6020A	160-11091	Total	10
NB1-41	STL	280-32146-2	280-32146-5	Solid	SA	8/13/2012 15:00	8/15/2012 9:30	9/17/2012 8:18	9/22/2012 8:18	SW846 6020A	160-11091	Total	2
CHECK SAMPLE	STL	280-32146-2	LCS 160-11091/2-A	Solid	LCS	9/17/2012 8:18	9/17/2012 8:18	9/17/2012 8:18	9/21/2012 7:23	SW846 6020A	160-11091	Total	2
INTRA-LAB BLANK	STL	280-32146-2	MB 160-11091/1-A	Solid	MB	9/17/2012 8:18	9/17/2012 8:18	9/17/2012 8:18	9/21/2012 7:16	SW846 6020A	160-11091	Total	2

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
NB1-10	15.5	Gold	7440-57-5	Target	ND				mg/Kg	0.59	0.059					
NB1-20	15.9	Gold	7440-57-5	Target	ND				mg/Kg	0.6	0.06					
NB1-20	15.9	Gold	7440-57-5	Target	121		119		mg/Kg	0.6	0.06	102	1	75	125	30
NB1-20	15.9	Gold	7440-57-5	Target	121		118		mg/Kg	0.59	0.059	102	1	75	125	30
NB1-40	14.5	Gold	7440-57-5	Target	0.24			J	mg/Kg	0.58	0.058					
NB1-30	8.6	Gold	7440-57-5	Target	0.66			J	mg/Kg	2.7	0.27					
NB1-41	10.5	Gold	7440-57-5	Target	0.078			J	mg/Kg	0.56	0.056					
CHECK SAMPLE		Gold	7440-57-5	Target	97.7		100		mg/Kg	0.5	0.05	98		80	120	
INTRA-LAB BLANK		Gold	7440-57-5	Target	ND				mg/Kg	0.5	0.05					

APPENDIX F.31

TESTAMERICA: SDG 280-32481-3 (GOLD)

Client Sample ID	Lab Name	Lot ID	Lab Sample ID	Matrix	Sample Type	Collected	Received	Prepped	Analyzed	Method	Prep Batch	Prep Type	Dilution
NB2-10	STL	280-32481-3	280-32481-1	Solid	SA	8/20/2012 14:30	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 0:30	SW846 6020A	160-11158	Total	10
OB1-30	STL	280-32481-3	280-32481-10	Solid	SA	8/21/2012 15:00	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 1:51	SW846 6020A	160-11158	Total	10
OB1-40	STL	280-32481-3	280-32481-11	Solid	SA	8/21/2012 15:45	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 2:52	SW846 6020A	160-11158	Total	2
OB2-10	STL	280-32481-3	280-32481-14	Solid	SA	8/22/2012 10:15	8/23/2012 9:45	9/18/2012 9:06	9/24/2012 2:05	SW846 6020A	160-11158	Total	10
OB2-20	STL	280-32481-3	280-32481-15	Solid	SA	8/22/2012 10:40	8/23/2012 9:45	9/18/2012 9:06	9/24/2012 2:11	SW846 6020A	160-11158	Total	10
OB2-30	STL	280-32481-3	280-32481-16	Solid	SA	8/22/2012 11:30	8/23/2012 9:45	9/18/2012 9:06	9/24/2012 2:58	SW846 6020A	160-11158	Total	2
NB2-20	STL	280-32481-3	280-32481-2	Solid	SA	8/20/2012 15:05	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 2:38	SW846 6020A	160-11158	Total	2
NB2-30	STL	280-32481-3	280-32481-3	Solid	SA	8/20/2012 16:05	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 0:44	SW846 6020A	160-11158	Total	10
NB2-40	STL	280-32481-3	280-32481-4	Solid	SA	8/20/2012 17:00	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 2:45	SW846 6020A	160-11158	Total	2
OB1-10	STL	280-32481-3	280-32481-7	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 0:57	SW846 6020A	160-11158	Total	10
OB1-10	STL	280-32481-3	280-32481-7	Solid	MS	8/21/2012 13:50	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 1:11	SW846 6020A	160-11158	Total	10
OB1-10	STL	280-32481-3	280-32481-7	Solid	MSD	8/21/2012 13:50	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 1:17	SW846 6020A	160-11158	Total	10
OB1-11	STL	280-32481-3	280-32481-8	Solid	SA	8/21/2012 13:50	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 1:38	SW846 6020A	160-11158	Total	10
OB1-20	STL	280-32481-3	280-32481-9	Solid	SA	8/21/2012 14:10	8/23/2012 9:15	9/18/2012 9:06	9/24/2012 1:44	SW846 6020A	160-11158	Total	10
CHECK SAMPLE	STL	280-32481-3	LCS 160-11158/2-A	Solid	LCS	9/18/2012 9:06	9/18/2012 9:06	9/18/2012 9:06	9/24/2012 0:24	SW846 6020A	160-11158	Total	2
INTRA-LAB BLANK	STL	280-32481-3	MB 160-11158/1-A	Solid	MB	9/18/2012 9:06	9/18/2012 9:06	9/18/2012 9:06	9/24/2012 0:17	SW846 6020A	160-11158	Total	2

Client Sample ID	Percent Moisture	Analyte	CAS	Analyte Type	Result	TPU	Spike Amount	Footnotes	Unit	RL/ CRDL	MDL/ MDA	Percent Recovery	RPD/RER	Lower Limit	Upper Limit	RPD/RER Limit
NB2-10	15.5	Gold	7440-57-5	Target	0.99			J	mg/Kg	2.9	0.29					
OB1-30	15.7	Gold	7440-57-5	Target	ND				mg/Kg	3	0.3					
OB1-40	8.1	Gold	7440-57-5	Target	ND				mg/Kg	0.54	0.054					
OB2-10	15.1	Gold	7440-57-5	Target	ND				mg/Kg	3	0.3					
OB2-20	18.5	Gold	7440-57-5	Target	ND				mg/Kg	3.1	0.31					
OB2-30	12.4	Gold	7440-57-5	Target	ND				mg/Kg	0.57	0.057					
NB2-20	11.2	Gold	7440-57-5	Target	ND				mg/Kg	0.56	0.056					
NB2-30	10.9	Gold	7440-57-5	Target	0.36			J	mg/Kg	2.8	0.28					
NB2-40	8.9	Gold	7440-57-5	Target	ND				mg/Kg	0.55	0.055					
OB1-10	17.5	Gold	7440-57-5	Target	1.7			J	mg/Kg	3	0.3					
OB1-10	17.5	Gold	7440-57-5	Target	123		122		mg/Kg	3.1	0.31	100	5	75	125	30
OB1-10	17.5	Gold	7440-57-5	Target	117		121		mg/Kg	3	0.3	96	5	75	125	30
OB1-11	17.8	Gold	7440-57-5	Target	0.78			J	mg/Kg	3	0.3					
OB1-20	15.1	Gold	7440-57-5	Target	0.58			J	mg/Kg	3	0.3					
CHECK SAMPLE		Gold	7440-57-5	Target	93.7		100		mg/Kg	0.5	0.05	94		80	120	
INTRA-LAB BLANK		Gold	7440-57-5	Target	ND				mg/Kg	0.5	0.05					

APPENDIX G – DATA USABILITY REPORT

EPA WORK ASSIGNMENT NUMBER: 021-RDRD-0829
EPA CONTRACT NUMBER: EP-W-09-009
HDR
RAC 2 PROGRAM

DATA USABILITY REPORT
CALIFORNIA GULCH PRE-DESIGN INVESTIGATION
LAKE COUNTY, COLORADO

NOVEMBER 2012

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ACRONYMS

ARD	Acid Rock Drainage
BOR	Bureau of Reclamation
CDPHE	Colorado Department of Public Health and Environment
CLP	Contract Laboratory Program
DI	Deionized
DQOs	Data Quality Objectives
DUR	Data Usability Report
EPA	United States Environmental Protection Agency
FFS	Focused Feasibility Study
HDR	HDR Engineering, Inc.
LMDT	Leadville Mine Drainage Tunnel
NPL	National Priorities List
OU	Operable Unit
PDI	Pre-Design Investigation
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limits
RAC	Remedial Action Contract
RD	Remedial Design
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SD	Standard Deviation
SDGs	Sample Delivery Groups
SOW	Statement of Work
SSL	Soil Screening Levels
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
UFP	Uniform Federal Policy
WA	Work Assignment
WAM	Work Assignment Manager

1.0 Introduction

This Data Usability Report (DUR) was prepared on behalf of the United States Environmental Protection Agency (EPA) by HDR Engineering, Inc. (HDR) to provide an evaluation of the data collected by HDR to supplement the Remedial Investigation/Feasibility Study (RI/FS) for the California Gulch Operable Unit (OU) 06 Superfund Site (the Site) in Lake County, Colorado (Figure 1).

This DUR is based upon the December 9, 2011 EPA Statement of Work (SOW) and the August 2012 Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP). The field investigation and analytical sampling is being performed under Work Assignment Number 021-RDRD-0829, under EPA RAC 2 Contract Number EP-W-09-009.

This report presents the Pre-Design Investigation (PDI) data results acquired by EPA and HDR, and describes the usability of the EPA and HDR data. The report is presented to the EPA as part of the PDI to be performed for the Site.

1.1 Purpose

The purpose of this Work Assignment (WA) is to prepare a Remedial Design (RD) of the selected remedy as defined in the Record of Decision (ROD) amendment issued on September 25, 2010. The goal of the RD is to:

- improve clean water diversion around mine wastes
- cap additional mine waste rock piles to decrease the volume of acid rock drainage (ARD) generated
- enlarge and enhance the current ARD collection system and retention ponds
- eliminate use of the Leadville Mine Drainage Tunnel (LMDT) and U.S. Bureau of Reclamation (BOR) water treatment plant from the OU6 remedy except in the case of emergencies

Additional data is required to support the RD. PDI activities include collection of volume, geotechnical, and chemical data as follows, which are described in detail in the QAPP worksheets:

- In order to determine the current on-flows of water onto the waste rock piles, the overall flow of storm/runoff waters from the historic drain system to the 5th Street catchment system will be investigated and runoff will be analyzed via a storm water investigation.
- The historic drainage system up the mountain from the waste rock piles will be investigated and the existing clean water diversion system will be analyzed to determine the best method to divert water.
- Samples from the waste rock piles will be analyzed for lead, silver, cadmium, and zinc to determine "hot spots"
- Geotechnical samples will be collected from the waste rock piles to support capping/regrading of the material
- Geotechnical samples will be collected from the subsurface to evaluate the installation of a groundwater cutoff wall

At the direction of EPA, HDR has prepared this DUR to present an overview of the usability of the data collected by HDR during its field investigation, which was performed to address the PDI for the ARD in Stray Horse Gulch.

1.2 Background

EPA completed the 2002 Focused Feasibility Study (FFS) and signed the Site ROD in 2003 for OU6. The cleanup plan for OU6 combined two strategies to address ARD from sources in Stray Horse Gulch:

- consolidate and cap four mine waste rock piles and one tailing pile
- manage surface water in Stray Horse Gulch

In earlier response actions, EPA consolidated and capped the following sources of ARD: the Penrose, Maid of Erin, Mahala, and Wolftone waste rock piles and the Hamm's tailing pile. The consolidation and capping effectively reduced or eliminated ARD generation at these sources.

EPA implemented the surface water management strategy at the Adelaide-Ward, RAM, Greenback, Highland Mary, Resurrection-Fortune, New Mikado, Old Mikado, and Pyrenees mine waste rock piles within Stray Horse Gulch. The surface water management strategy involved two components. The first was the construction of clean water diversion ditches uphill of these remaining ARD generating sources. The second component of the strategy involved the construction of diversion ditches and retention ponds to collect ARD generated from the Adelaide-Ward, RAM, Greenback, Highland Mary, Resurrection-Fortune, New Mikado, Old Mikado, and Pyrenees mine waste rock piles within Stray Horse Gulch. When the ARD generated exceeds the volume of the retention ponds, the excess volume is diverted into the Marion Shaft where some portion (but not all) of the volume is delivered to the LMDT. Water in the LMDT is delivered to the BOR treatment plant where the water is treated and discharged into the Arkansas River.

1.3 Site Location and Description

The California Gulch Superfund Site is located in Lake County, Colorado, approximately 100 miles southwest of Denver. About 18 square miles in size, the Site includes the City of Leadville and surrounding areas. (See Figures 1 and 2)

Mining, mineral processing and smelting activities in the area produced gold, silver, lead and zinc for more than 130 years. Mining began in the Leadville area in 1859 when prospectors working the channels of the Arkansas River tributaries discovered gold at the mouth of California Gulch. Mine waste, which contains heavy metals and other chemicals generated during mining and ore processing remains, poses a threat to the environment. When water contacts the mine waste rock acid is generated which lowers the pH of the water and mobilizes heavy metals. The ARD is then transported to surface water and/or leached into the groundwater, which are exposure pathways for terrestrial and aquatic organisms.

Added to the National Priorities List (NPL) in 1983, the Site is divided into 12 operable units. OU 6, which is the subject of this RD WA, includes approximately 3.4 square miles in the northeastern portion of the Site and includes the Stray Horse Gulch and Evans Gulch watersheds, which are tributaries to California Gulch. This RD concerns the Stray Horse Gulch portion of OU6.

1.4 Report Organization

This DUR is organized into the sections described below.

Section 1.0, Introduction, presents the purpose and objectives of the report, a description of the Site (including location and history) and the organization of this report.

Section 2.0, PDI Objectives, describes the specific project and data quality objectives (DQOs) for the RI.

Section 3.0, PDI Activities, summarizes the tasks performed by HDR during the PDI at the Site. The section is divided into separate subsections for each of the activities. The specific sampling objectives, procedures and locations are explained.

Section 4.0, Presentation of Investigation Results, provides a general overview of the information obtained during HDR's investigation tasks. The procedures for reducing, compiling and summarizing the chemical data results are discussed.

Section 5.0, Evaluation of Usability, presents a summary and interpretation of the usability of the analytical results from HDR's field investigation through a comparison to the project's DQOs.

Section 6.0, Conclusions, presents a summary of the data in relation to the CLP data and the TestAmerica data.

Section 7.0, References, provides a listing of the references cited throughout this report.

2.0 Pre-Design Investigation Objectives

2.1 Project Objectives

As defined in the Introduction, the Site is an area that has undergone mining, mineral processing, and smelting activities that produced such heavy metals as gold, silver, lead and zinc for more than 130 years. When water comes in contact with the mine waste, acid is generated which lowers the pH of the water and mobilizes heavy metals. This ARD is then transported to surface water and/or leached into the groundwater, which are exposure pathways for terrestrial and aquatic organisms and therefore a threat to human health and the environment.

The ROD for OU6 includes consolidating and capping the remaining waste rock piles to prevent the generation of ARD and managing surface water in Stray Horse Gulch. The present ARD collection and diversion system is not performing optimally based on findings of the Record of Decision. Surface water is currently being managed via clean water diversion ditches uphill of the ARD sources; however, subsequent surveys revealed that these ditches are not capturing and diverting the maximum amount of clean water possible, which may contribute to generation of ARD. The second component includes diversion ditches and retention ponds that collect ARD; when the volume exceeds the capacity it is diverted to Marian Shaft, where some (but not all) is delivered to the LMDT and ultimately the US BOR treatment plant before discharge to the Arkansas River.

The RD for this WA will address the problems outlined above by evaluating the improvements to the clean water diversion components; evaluating capping of additional waste piles to decrease the volume of ARD generated; evaluating the enlargement of and enhancements to the current ARD collection system and retention pond.

2.2 Data Quality Objectives

DQOs are qualitative and quantitative statements that specify the type, quality and quantity of the data required in support of decision-making during remedial activities. Laboratory analytical data generated during HDR's PDI will support the project objectives noted above, human health and ecological risk assessment preparation and remedial alternative screening in accordance with applicable EPA guidance. HDR examined data validation narrative reports and field logbooks and verified that the sampling procedures and analytical results were obtained following applicable protocols. HDR has also verified that the data is of sufficient quality and quantity to satisfy the acceptable quantitative criteria, or DQOs that define the allowable limits on the probability of the collected data resulting in an erroneous decision. The data collection design and quality assurance/quality control (QA/QC) activities were adequate to ensure the DQOs were met and the data can be relied upon for performing the risk assessments, FS and subsequent RD activities.

2.3 QA/QC Characteristics for Data

The overall QA/QC objective for the investigation is to provide data of known and documented quality through the use of developed and implemented procedures. Quality characteristics for data are determined by the evaluation of the precision, accuracy, representativeness, comparability, and completeness of the results, sensitivity of method/detection limit verification and blank contamination elimination.

2.3.1 Precision

Precision is the measurement of agreement in repeated tests of the same or identical samples, under prescribed conditions. Analytical precision can be expressed in terms of Standard Deviation (SD), Relative Standard Deviation (RSD), and/or Relative Percent Difference (RPD). The precision of analytical environmental samples

has two components - laboratory precision and sampling precision. Laboratory precision is determined by replicate measurements of laboratory duplicates and analysis of reference materials.

The sampling precision is determined by the analysis of field duplicate samples. Field duplicate analysis is performed at a rate of five percent (i.e., one duplicate collected for every 20 samples), and acceptance criteria for these duplicates is an RPD of 35 percent for aqueous samples and 50 percent for solid samples. The 50 percent RPD criterion for solid samples is based on ±50 percent of the mean. The 35 percent RPD criterion for aqueous samples was chosen based on the soil duplicate results likely having a greater variance than the water results; this is due to the greater heterogeneity of the soil matrix itself, which results in a greater physical variation in the samples taken. Therefore, a lower, more stringent RPD criterion value was applied to the more homogenous aqueous samples.

RPDs are calculated using the following equation:

$$RPD = \frac{|Vo - Vd|}{0.5\,(Vo + Vd)} \times 100$$

where Vo is the original sample concentration value and Vd is the duplicate sample concentration value.

2.3.2 Accuracy

Accuracy is the degree of agreement of a measured sample result or average of results with an accepted reference or true value. It is the quantitative measurement of the bias of a system, and is expressed in terms of percent recovery (%R). Measurements of accuracy for the laboratory include surrogate spike, laboratory control spike and matrix spike samples.

The analytical accuracy is evaluated using %Rs, which are calculated as below:

For matrix spike samples:

$$\%R = \frac{SSR - SR}{SA} \times 100$$

where SSR is the spiked sample concentration value, SR is the unspiked sample concentration value and SA is the spiked concentration added.

For laboratory control spike or surrogate spike samples:

$$\%R = \frac{SSR}{SA} \times 100$$

where SSR is the spiked sample concentration value and SA is the spiked concentration added.

2.3.3 Representativeness

Representativeness is the degree to which the results of the analyses accurately and precisely represent a characteristic of a population, a process condition or an environmental condition. In this case, representativeness

is the degree to which the data reflect the contaminants present and their concentration magnitudes in the sampled site areas. Representativeness of data is ensured through the selection of sampling locations and implementation of approved sampling procedures. Results from environmental field duplicate sample analyses can be used to assess representativeness, in addition to precision.

2.3.4 Comparability

Comparability is the degree of confidence with which results from two or more data sets, or two or more laboratories may be compared. To achieve comparability, standard environmental methodologies are employed in the field and in the laboratory, including:

- Using identified standard procedures/methods for both sampling and analysis phases of the project;
- Ensuring traceability of all analytical standards and/or source materials;
- Verifying all calibrations;
- Using standard reporting units and reporting formats, including the reporting of QA/QC data;
- Validating analytical results, including using data qualifiers in all cases where appropriate;
- Requiring that validation qualifiers be provided at all times (e.g., text, tables, figures, etc.) with the associated analytical result; and
- Requiring that any metadata on the data set (i.e., information for purposes of description, administration, technical functionality and requirements, use and usage, and/or preservation) be documented and provided with the data set at all times.

These steps will ensure all future users of either the data or the conclusions drawn from them will have a basis for establishing the acceptance criteria for its use and will be able to judge the comparability of these data and conclusions.

2.3.5 Completeness

Completeness is defined as the percentage of samples that meet or exceed all the criteria objective levels for accuracy, precision and detection limits within a defined time period or event. It is the measure of the number of data "points" that are judged to be valid, usable results. The objective for completeness for this field investigation is 95 percent, and is calculated by dividing the number of usable data results (i.e., all results not considered to be "rejected" and all samples able to be analyzed) by the number of possible data results (i.e., the total number of field samples collected), and then multiplying by 100 percent, as shown:

$$\% \text{ Completeness} = \frac{Dv}{Dt} \times 100$$

where Dv is the number of usable valid data values (i.e., all results not "rejected" during data validation and all samples able to be analyzed) and Dt is the total number of possible data values (i.e., both valid and rejected data values among all samples collected).

2.3.6 Sensitivity

Analytical methods have specified quantitation limits (QLs) that are matrix-, moisture- and dilution-dependent. The QLs actually determined for a constituent for a specific sample may be higher due to these issues (denoted as SQL, sample quantitation limit). An evaluation of detection limits was part of the determination of analytical methods to verify that the sensitivity of the chosen methods was adequate to meet the applicable screening criteria. Analytical methods were selected based on, depending on the analytical fraction, either all or a majority

of the constituent detection limits being less than applicable criteria values, with special attention paid to the DQOs for the Site.

2.3.7 Blank Contamination Elimination

Blank samples were analyzed with the project samples to evaluate the potential for contamination of the environmental samples from inadequate decontamination of field equipment (field blanks); and/or from the analytical process in the laboratory (method blanks/preparation blanks/laboratory reagent blanks). Validation determines the need for qualification of environmental sampling analytical results based on blank contamination.

The following procedures, based on EPA protocols, are used for organic constituents detected in both an environmental sample and an associated blank sample:

- If a positive sample result concentration is less than the SQL, the SQL is reported and qualified as "non-detect"
- If a positive sample result concentration is greater than the SQL, but less than the action level (i.e., ten times the blank concentration for common contaminants or five times the blank concentration for other constituents), the detected concentration is reported as a "non-detect"
- If a positive sample result concentration is greater than the action level, the detected concentration is reported unqualified
- If any blank is grossly contaminated, associated data is qualified as unusable and rejected

2.4 Comparison Criteria

Established comparison criteria will be used during interpretation of the nature and extent of contamination at the Site. These values will not, however, be the basis for determining chemicals of potential concern for either the human health or ecological risk assessments. Applicable or Relevant and Appropriate Requirements (ARARs), standards promulgated under federal or state law, will be used as comparisons to constituent concentrations to assist in screening the Site data. Human health-based values, ecological-based values and NYSDEC (state) values, which are not promulgated, will also be used in the RI as comparison criteria in the results screening.

2.4.1 Soils

Soil results are compared against standards for the protection of groundwater and surface water as provided in the ROD (EPA, 2010). Colorado Department of Public Health and the Environment (CDPHE) has promulgated cleanup objectives (Colorado Water Quality Control Act, CRS 25-8- 101 et seq., and Colorado Discharge Permit System Regulations (5-CCR-1002.6I)). The evaluation of soil data will be completed in the PDI Report to address the above-listed criteria.

3.0 Pre-Design Investigation Activities

HDR's PDI was conducted between August 6, 2012 and September 18, 2012. The tasks performed included the following:

The field investigation included a geophysical investigation; soil boring and sampling program for geotechnical and environmental analysis; and aerial and topographic surveys. The investigation area and sample locations are highlighted on Figures 2 through 6.

The effort to collect topographic mapping, boundary, and utility surveys was conducted as part of the field mobilization task.

- Topographic mapping was developed through aerial photography. The area mapped is estimated at approximately 109 acres. The density of points collected (20 points per square meter) was sufficient to support interpolation of one-foot (1') contours. Mapping was completed by a professional subcontracted aerial survey firm.
- Property boundary and utility surveys were performed as needed to support the RD. HDR engaged local surveying companies to perform these surveys.
- A GIS database that includes property boundaries, utility locations, and site features was developed.

Topographic mapping is critical to develop hydrologic studies that will form the basis of determining the feasibility and extent that clean water can be diverted and ARD can be retained. In addition, the mapping is critical in developing a plan for determining the extent of capping, types of caps that can be employed on different areas of the mine waste piles, and providing the basis of constructing an operable cap.

HDR conducted a field investigation to collect information necessary to evaluate the installation of a groundwater cutoff wall. In addition, the field investigation provides information needed to characterize the subsurface and waste material to support re-grading and capping of mine wastes. Specifically, a limited geotechnical characterization was conducted in order to:

- properly characterize the subsurface in the approximate cutoff alignment (estimated to be 2,000 feet)
- identify soil and bedrock groundwater conditions
- evaluate the influence of the nearby faults on groundwater flow
- characterize the geotechnical properties of the mine waste material

The limited geotechnical characterization included the following elements:

- Ground Penetrating Radar survey along the proposed cutoff alignment to identify any mine workings and associated subsidence zones.
- Seismic refraction line along the approximate cutoff alignment to estimate the contact of the alluvium and bedrock along the proposed alignment.
- Installation of a total of twenty borings drilled along the proposed cutoff alignment (approximately one per one-hundred feet of linear cutoff extent
- Rock coring was achieved using NQ wireline coring methods per ASTM D2113 - 08 Standard Practice for Rock Core Drilling and Sampling of Rock for Site Investigation
- The depth to groundwater in the glacial/alluvial aquifer was recorded for each boring
- Each 60 foot boring was water pressure tested at two ten foot intervals for each boring. One interval extended from the bottom of the boring. The second interval extended from the top of the first interval up to the top of bedrock. For the 90-foot borings, testing occurred in the upper 20 feet of the bedrock and in one other interval, determined based on evaluation of the rock core. The purpose of water pressure tests was to establish the permeability (hydraulic conductivity) and grout-ability of the rock mass. Rock mass

permeability was calculated in Lugeons.

- For each boring, Standard Penetration Tests (SPT) at 5 foot intervals was completed for characterization of soil material in accordance with ASTM D 1586-11, Standard Test Method for SPT and Split Barrel Sampling of Soil.
- Undisturbed, split spoon soil samples were collected for laboratory testing in accordance with ASTM D1587 - 08 Standard Practice for Thin Walled Tube Sampling of Soils for Geotechnical Purposes.
- Piezometers were installed in five of the borings to monitor groundwater elevations within the overburden soil (alluvium, saprolite, etc.). In conjunction with piezometers previously installed by SourceWater, these new piezometers provide groundwater data to characterize the flow regime within the glacial/alluvial aquifer.
- Piezometers were installed in six of the borings to establish groundwater conditions within the bedrock. These piezometers provide data to develop an understanding of the degree to which the bedrock aquifer influences seepage that interacts with the existing mine waste piles.
- Two soil borings were drilled into each of the following existing mine waste piles: Greenback, Old Mikado, New Mikado and RAM. Each boring was approximately thirty feet in depth and three samples for geotechnical and environmental analysis were collected from each boring. A total of thirty mine waste samples (six per mine waste pile) were collected.

The information collected from the geotechnical investigation of the cut-off wall is critical for the determination of whether a cut-off wall will be economically feasible and effective in reducing ARD. The environmental analysis will be used as an input into prioritizing the waste piles for capping. The environmental sampling and analysis plan was developed to provide an understanding of the mine waste characteristics; however, each individual sampling point is not critical to making this determination.

Eight (8) samples of soil from the borings installed along the cutoff wall alignment were tested to provide information on engineering properties for seepage analyses as follows (test method in parenthesis):

- Atterberg limits (ASTM D 4318)
- grain size (ASTM D 422/ ASTM D 1140)
- density (ASTM D1557)
- moisture content (ASTM D2216)
- hydraulic conductivity (ASTM D 5084 – 10)

Fifteen (15) samples obtained from the existing mine waste piles were used to characterize the geotechnical properties of the mine waste material including:

- Atterberg limits (ASTM D 4318)
- grain size (ASTM D 422/ ASTM D 1140)
- density (ASTM D1557)
- moisture content (ASTM D2216)
- permeability (ASTM D 2434-68 (2000))
- shear strength (ASTM D 4767 – 11)

In addition to the 30 samples collected from the borings through the existing mine waste piles, surface samples were collected from the following waste piles chemical analysis:

- Greenback (19 samples)
- RAM (21 samples)
-
- New Mikados (10 samples)
- Old Mikados (8 samples).

Thus, a total of 91 samples were collected for chemical analysis and analyzed for:

- Target Analyte List metals, sulfur, and gold
- sulfides (SW-846 Method 9034)
- acidity (Standard Methods 2310B)

Due to the unknown nature of its accumulation and deposition, mine waste can be variable in its composition, often in unrecognizable patterns. Mine waste chemistry will be an input in capping decision and prioritization and its inherent variability will be considered in decision-making.

Geotechnical investigation relies on comparatively small volumes of sample to represent underground conditions and subsurface soil and geological conditions are variable. Engineering and scientific evaluation of data will account for this variability through reasonable extrapolation and safety factors.

Variable environmental conditions encountered during the investigation (drought, season, etc.) will not be a factor in decision making, as the engineering design will be based on long service life that are independent of seasonal or yearly cycle or short term trends.

3.1 Environmental Sampling

3.1.1 Soil Sampling

A total of 113 soil samples, were collected from surface soils and at selected depths from the mine waste piles at the Site. Additional aqueous rinsate and blank samples were collected for QC. The soil and aqueous samples were submitted to Bonner Analytical Testing Company (Bonner) under the CLP, for Target Analyte List (TAL) metals, gold, mercury, and cyanide analysis, i.e., Inorganic Statement of Work (SOW) ISM01.3 or ISM05.4, Inductively Coupled Plasma – Atomic Emission Spectrometer (ICP-AES). The samples were divided into 11 Sample Delivery Groups (SDGs). Due to laboratory issues (Performance Evaluation sample failure), Bonner shipped 61 of the analyses to Spectrum Analytical, Inc. (Spectrum) to complete the same suite of analyses. The samples were received by Spectrum on September 8, 2012. Spectrum completed analysis of TAL metals, gold, and mercury analysis, i.e., by the Inorganic SOW ISM01.3 or ISM05.4, ICP-AES. One sample was received broken and was not analyzed (MH0AW9). The complete data packages received from Bonner and Spectrum for the soil and aqueous sample analyses performed are not provided in this report; they will be submitted with the PDI Report.

From the same locations, split samples were collected from surface soils and at selected depths from the mine waste piles at the Site were shipped to TestAmerica-Denver for chemical analysis as a subcontracted lab. These samples were analyzed for sulfide and acidity. An additional 19 samples were modified for gold analysis, and 32 samples were added for total sulfur analysis. The Bonner lab had a number of gold, cyanide, and several other metal results qualified as “R” for rejected; also the detection limit could not meet the DQOs for gold.

3.1.2 Field Quality Control Blanks

3.1.2.1 Field Equipment Rinsate Blanks

Rinsate blanks were collected to evaluate the potential for residual chemical contamination of environmental samples from inadequate decontamination of field equipment. Rinsate blanks were collected by pouring de-ionized (DI) water over and/or through decontaminated re-usable equipment and collecting the rinsate. Rinsate blanks were collected at a frequency of one for every 20 samples (5%). Analysis of chemical parameters for rinsate blanks was identical to analysis of chemical parameters for the associated environmental samples, and the

blanks were preserved as indicated in the applicable methods. A total of nine aqueous rinsate blanks were submitted for analysis.

3.1.2.2 Field Blanks

Field blanks were collected to detect possible cross-contamination of samples resulting from the Site. Analysis of chemical parameters for field blanks was identical to analysis of chemical parameters for the associated environmental samples, and the blanks were preserved as indicated in the applicable methods. In addition, field blanks were stored by the laboratory under the same conditions as the environmental samples. A total of five aqueous field blanks were submitted for analysis.

4.0 Investigation Results

4.1 Soil Results

Soil samples were collected during the PDI to support the RD. The RD for this WA will evaluate the improvements to the clean water diversion components; evaluate capping of additional waste piles to decrease the volume of ARD generated; evaluate the enlargement of and enhancements to the current ARD collection system and retention pond. A large number of samples were collected to address RD activities. These samples were analyzed for TAL metals, gold, mercury, cyanide, sulfide, acidity and total sulfur using the Inorganic SOW ISM01.3 or ISM05.4, ICP-AES, SW-846 9034, 6010B, or 2310B.

Samples analyzed by the CLP Laboratories (Bonner and Spectrum) were provided as validated data and include the qualifications within the SDG. This data will not be reproduced within this report. The samples shipped to the subcontracted laboratory (TestAmerica) were not validated, and the data validation report is provided as Appendix A. A minimum of 10% of CLP data were checked.

In general, the data included qualifications for non-detected (U), dilutions (D) that exceeded the high standard, estimated values (J) that were less than the calculated detection limit, and rejected (R) data that did not meet quality control standards. A total of five chromium, two nickel, three selenium, 29 cyanide, and 24 gold results, for a total of 63 results, were qualified as rejected (R) in the CLP data sets. The Spectrum data indicated primarily U and J qualifiers. TestAmerica gold data were primarily qualified as J.

4.2 Quality Control Field Blank and Rinsate Results

Concentrations of acidity were present during analysis of rinsate and field blanks. CLP blank samples indicated low concentrations of metals including aluminum, barium, iron, cobalt, manganese, potassium, sodium, vanadium and zinc. All detections in the blank samples (initial calibration, continuing calibration or preparation) were qualified as J, for estimated. The acidity data indicated 69 samples included blank (B) contamination in the soil samples and all of the aqueous data were qualified as JB. Sulfur results were primarily qualified as E4 greater than 4 times the calibration value.

5.0 Evaluation of Usability

5.1 PDI Data

The usability of the analytical data acquired during the field investigation for this WA is based on the adequacy of the results to fulfill the site-specific DQOs and QA/QC requirements. The following subsections assess the data obtained during HDR's field investigation against the quality objective requirements.

At this time, the following data validation case narrative reports have been provided to HDR and the results of these assessments are included in the evaluation of data usability:

Bonner
- Case Narrative, SDG MHOAS7 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAS8 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAW7 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAX4 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAX5 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOBO7 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOBO8 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOB22 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOB24 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOB32 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAW8 TAL Total metals, gold, mercury, and cyanide (soil)

Spectrum
- Case Narrative, SDG MHOAW7 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAM7 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAX7 TAL Total metals, gold, mercury, and cyanide (soil)
- Case Narrative, SDG MHOAY1 TAL Total metals, gold, mercury, and cyanide (soil)

TestAmerica
- Case Narrative, SDG 280-31994-1 Sulfide and acidity (soil)
- Case Narrative, SDG 280-32217-1 Sulfide and acidity (soil)
- Case Narrative, SDG 280-32481-1 Sulfide and acidity (soil)
- Case Narrative, SDG 280-32278-1 Sulfide and acidity (soil)
- Case Narrative, SDG 280-32025-1 Sulfide and acidity (soil)
- Case Narrative, SDG 280-32146-1 Sulfide and acidity (soil)
- Case Narrative, SDG 280-31920-1 Sulfide and acidity (soil)
- Case Narrative, SDG 280-32146-1 Gold (soil)
- Case Narrative, SDG 280-32481-1 Gold (soil)
- Case Narrative, SDG 280-31920-2 Total sulfur (soil)
- Case Narrative, SDG 280-31994-2 Total sulfur (soil)
- Case Narrative, SDG 280-32025-2 Total sulfur (soil)
- Case Narrative, SDG 280-32146-3 Total sulfur (soil)
- Case Narrative, SDG 280-32217-2 Total sulfur (soil)
- Case Narrative, SDG 280-32278-2 Total sulfur (soil)
- Case Narrative, SDG 280-32481-4 Total sulfur (soil)

The information received to date include a total of 113 soil and quality control samples that were sent for off-site laboratory analyses and underwent full validation by a CLP lab. These off-site laboratory samples contained

2,712 separate constituent results. An additional 113 samples were sent off-site to a non-CLP lab for analysis of gold, sulfide, acidity, and sulfur. These samples contained 209 separate constituent results.

5.1.1 Precision

Precision was determined through replicate measurements of the same/identical samples, including MS/MS duplicate, lab duplicate and field duplicate samples. Review of the constituent result data shows that 174 of the soil individual results or 6.4 percent had laboratory precision samples outside limits, and were qualified as estimated (J) after validation. Samples provided to Spectrum arrived at 3 and 8°C. The 8°C exceeds the National Functional Guidelines temperature limit, but does not exceed previous direction from Region 8. No samples were qualified by the CLP labs for temperature exceedance. Based on the CLP data validation, there were five chromium results, two nickel results, three selenium results, 29 cyanide results, and 24 gold results, for a total of 63 results, that were qualified as rejected (R).

Field effort precision was determined by analysis of six field duplicates as follows:

Original	Duplicate
G1	G20
GB2-10	GB2-40
R1	R22
NM1	NM11
NB1-20	NB1-40
OB1-10	OB1-11

Acceptance criteria for these duplicates are 35% RPD for aqueous and 50% for soil samples (see Section 2.3.1). A total of 364 RPDs were calculated, and ranged from zero to 538,922%. 19.5% of the RPDs were below acceptance criteria. The compound primarily outside of acceptance criteria was lead. Iron and manganese also had results with high excessively large RPD values. These data indicate a dilution or matrix effect is present.

The RPD was not calculated for any set of sample pairs where:

- Concentrations were not detected in both of the data sets;
- Only one detection was present for either the original sample or the duplicate but not both;
- A data result value was deemed unusable (rejected) during validation for at least one of the samples; or
- The constituent was not analyzed in one or both samples

5.1.2 Accuracy

Accuracy of the data, or the degree of agreement between a measured result with the accepted true value, was determined through the use of surrogate compounds, internal standard compounds, MS samples and laboratory control spike samples. Seven soil MS/MSD samples were collected and analyzed by CLP: G1, GB1-10, NB1-20, R1, R4, OB1-10 and NM11. Seven MS/MSD samples were analyzed by TestAmerica: NB1-20, OB1-10 were analyzed for gold, acidity, sulfur and sulfide; G9, NB1-20, R-1, GB1-10, NM-1, OB1-10 and G-1 were analyzed for acidity, sulfur and sulfide. A number of constituents were qualified by the CLP laboratory as “N” or “D”. “N” indicates the sample value could not be calculated, and “D” indicates the results were diluted due to the concentration above the high standard. A number of acidity samples were qualified for the TestAmerica data as “B” or blank contamination. Based on the CLP data validation, there were five chromium results, two nickel results, three selenium results, 29 cyanide, and 24 gold results, for a total of 63 results, that were qualified as rejected (R). No compounds were qualified as “R” for the TestAmerica data.

The majority of the off-site laboratory analytical runs (2,396; or almost 86%) had percent recovery measurements within the prescribed method limits. A total of 409 separate constituents (or approximately 14%) were estimated following validation based on exceeding the appropriate recovery limits. There were no results that were considered unusable due to gross recovery limit exceedances.

5.1.3 Representativeness

Data representativeness results from selecting appropriate sampling locations and use of approved sampling procedures. Sampling locations were based on previous sampling completed at the site (i.e., samples taken from previously installed wells) and identified data gaps from those prior investigations. Sampling procedures as included in the Work Plan and QAPP were used. There were no field change requests. A field inspection audit by HDR was completed. The samples are considered representative of the site. The RPD of the lead, manganese, and iron are of concern but may not indicate representativeness of the site due to dilution or matrix effects. The Bonner SDG Narratives indicated high concentrations of iron, manganese, lead, sulfur and zinc were present in the screening analysis and that dilutions were necessary to protect the integrity of the instrumentation. These compounds also may be impacted by how the samples were composited in the field.

5.1.4 Comparability

To increase the degree of comparability between data results and between past, present and future sampling events, standard environmental analytical methods were employed by the off-site laboratory used, which was the EPA CLP and TestAmerica Laboratories. Routine Analytical Services (RAS) available through the EPA CLP were utilized. The laboratory's methodologies and analytical procedures are specified in the CLP SOWs. The lab reported non-compliance for several constituent results and qualified that data as rejected (R). Samples provided to Spectrum arrived at 3 and 8°C. The 8°C exceeds the National Functional Guidelines temperature limit, but does not exceed previous direction from Region 8. No samples were qualified by the CLP labs for temperature exceedance.

Results of the RPD analyses are provided below. Agreement between the original sample and the duplicate can be inferred when both of the results are non-detects (43 sample pairs), and when the one detected result value is below the SQL of the other sample set (12 sample pairs). There were four sample pairs where RPDs could not be calculated because one or both results were rejected or not analyzed.

No replicate samples were collected or analyzed.

For the seven data comparison pairs for which RPDs could be calculated, there were 189 RPDs that ranged from zero to 538,922%. As noted, this likely results from sample dilution at the laboratory and matrix interferences. The comparison pairs had a RPD greater than acceptance criteria are provided in the table below. There were four data sets that were unusable or that were not analyzed.

Comparability Table (RPD and %R)

Sample #	**Laboratory**	**Compound**	**RPD**	**Limit %**	**Qualifiers**
280-31994-2	TestAmerica	Sulfur	21	20	E4, 4F
280-32025-2	TestAmerica	Sulfur	26	20	4, 4F
280-32481-4	TestAmerica	Sulfur	21	20	4, 4F
Batch	**Laboratory**	**Compound**	**%R**	**Limit %**	**Qualifiers**
MH0AY1S	Spectrum	Antimony	22	75-125	N
MH0AY1S	Spectrum	Arsenic	242	75-125	

MH0AY1S	Spectrum	Barium	2	75-125	N
MH0AY1S	Spectrum	Lead	5780	75-125	D
MH0AY1S	Spectrum	Manganese	153	75-125	N
MH0AY1S	Spectrum	Selenium	0	75-125	N
MH0AY1S	Spectrum	Zinc	24	75-125	
MH0B28S	Spectrum	Cyanide	9	75-125	N
MH0AZ2S	Spectrum	Antimony	47	75-125	N
MH0AZ2S	Spectrum	Arsenic	662	75-125	
MH0AZ2S	Spectrum	Barium	0	75-125	N
MH0AZ2S	Spectrum	Cadmium	173	75-125	N
MH0AZ2S	Spectrum	Copper	278	75-125	
MH0AZ2S	Spectrum	Lead	108000	75-125	D
MH0AZ2S	Spectrum	Manganese	12700	75-125	D
MH0AZ2S	Spectrum	Silver	-138	75-125	D
MH0AZ2S	Spectrum	Thallium	243	75-125	N
MH0AZ2S	Spectrum	Vanadium	188	75-125	N
MH0AZ2S	Spectrum	Zinc	823	75-125	D
MH0B06S	Bonner	Antimony	7	75-125	N
MH0B06S	Bonner	Arsenic	20	75-125	
MH0B06S	Bonner	Cadmium	870	75-125	N
MH0B06S	Bonner	Copper	-182	75-125	
MH0B06S	Bonner	Iron	-2000	75-125	
MH0B06S	Bonner	Lead	538922	75-125	
MH0B06S	Bonner	Manganese	-5	75-125	
MH0B06S	Bonner	Silver	-40	75-125	
MH0B06S	Bonner	Zinc	907	75-125	
MH0B22S	Bonner	Aluminum	27	75-125	
MH0B22S	Bonner	Antimony	12	75-125	N
MH0B22S	Bonner	Cadmium	180	75-125	N
MH0B22S	Bonner	Iron	-5752	75-125	
MH0B22S	Bonner	Lead	18584	75-125	
MH0B22S	Bonner	Manganese	0	75-125	
MH0B22S	Bonner	Selenium	0	75-125	N
MH0B22S	Bonner	Silver	43	75-125	N
MH0B22S	Bonner	Zinc	1381	75-125	
MH0AX5S	Bonner	Antimony	30	75-125	N
MH0AX5S	Bonner	Arsenic	-42	75-125	
MH0AX5S	Bonner	Barium	55	75-125	N
MH0AX5S	Bonner	Beryllium	61	75-125	N
MH0AX5S	Bonner	Cadmium	46	75-125	N
MH0AX5S	Bonner	Chromium	48	75-125	N
Batch	**Laboratory**	**Compound**	**%R**	**Limit %**	**Qualifiers**
MH0AX5S	Bonner	Cobalt	55	75-125	N
MH0AX5S	Bonner	Copper	30	75-125	N

MH0AX5S	Bonner	Iron	7483	75-125	
MH0AX5S	Bonner	Lead	-1922	75-125	
MH0AX5S	Bonner	Manganese	4898	75-125	
MH0AX5S	Bonner	Nickel	67	75-125	N
MH0AX5S	Bonner	Thallium	0	75-125	N
MH0AX5S	Bonner	Vanadium	50	75-125	N
MH0AX5S	Bonner	Zinc	177	75-125	
MH0AX5S	Bonner	Cyanide	0	75-125	N
MH0AS7S	Bonner	Aluminum	622	75-125	
MH0AS7S	Bonner	Antimony	24	75-125	N
MH0AS7S	Bonner	Cadmium	141	75-125	N
MH0AS7S	Bonner	Copper	55	75-125	N
MH0AS7S	Bonner	Iron	-6332	75-125	
MH0AS7S	Bonner	Lead	-34716	75-125	
MH0AS7S	Bonner	Manganese	225	75-125	N
MH0AS7S	Bonner	Silver	55	75-125	N
MH0AS7S	Bonner	Zinc	1217	75-125	
MH0AH4S	Bonner	Aluminum	-257	75-125	
MH0AH4S	Bonner	Antimony	16	75-125	N
MH0AH4S	Bonner	Copper	69	75-125	N
MH0AH4S	Bonner	Iron	-1381	75-125	
MH0AH4S	Bonner	Manganese	-478	75-125	
MH0AH4S	Bonner	Silver	-10	75-125	
MH0AH4S	Bonner	Vanadium	70	75-125	N
MH0AH4S	Bonner	Zinc	-186	75-125	
MH0AH4S	Bonner	Lead	185273	75-125	
MH0AW7S	Bonner	Aluminum	-74	75-125	
MH0AW7S	Bonner	Antimony	32	75-125	N
MH0AW7S	Bonner	Arsenic	161	75-125	
MH0AW7S	Bonner	Barium	36	75-125	N
MH0AW7S	Bonner	Cadmium	179	75-125	N
MH0AW7S	Bonner	Copper	174	75-125	N
MH0AW7S	Bonner	Iron	5984	75-125	
MH0AW7S	Bonner	Lead	200820	75-125	
MH0AW7S	Bonner	Manganese	0	75-125	
MH0AW7S	Bonner	Silver	1129	75-125	
MH0AW7S	Bonner	Thallium	66	75-125	N
MH0AW7S	Bonner	Zinc	1451	75-125	

5.1.5 Completeness

The percentage of samples that meet or exceed criteria objective levels, i.e., usable sample results for the data set determines completeness. Based on the CLP data validation, there were five chromium results, two nickel results, three selenium results, 29 cyanide, and 24 gold results, for a total of 63 results, that were qualified as rejected (R).

The percentage of unusable data for the project is 97.7% usable results, which exceeds the completeness objective of 95%. The compound specific usability is not acceptable for cyanide (74.3%) or gold (79.8%) for the CLP data.

5.1.6 Sensitivity

An evaluation of QLs was part of the determination of analytical methods to verify that the sensitivity of the chosen methods allows for the generation of data at concentrations low enough for comparison against applicable screening criteria or the meet the DQOs. Analytical methods were selected based on, depending on the analytical fraction, either all or a majority of the constituent QLs being less than applicable comparison criteria values, with special attention paid to the contaminants of potential concern at the Site. Gold does not have screening criteria, but was above the DQOs. Subsets of analyses were analyzed by TestAmerica to meet the project requirements. The following gold results indicate the samples were highly diluted by the CLP labs and an elevated detection limit.

Interlaboratory Duplicate Results (Gold)

Sample Number	CLP Value	TestAmerica Value	RPD
NB1-10	49 U	<0.059	199
NB1-20	47.1 U	<0.60	199
NB1-30	43.9 U	0.66	194
NB1-40 (Dup of NB1-20)	100	0.24 J	199
NB1-41	45 U	0.078 J	199

5.1.7 Blank Contamination Elimination

Blanks were prepared to identify any contamination that may have been introduced into the samples. Validation determines the need for qualification of sampling analytical results based on blank contamination. Nine rinsate blanks and five field blank samples were prepared to identify any contamination that may have been inadvertently introduced into the samples. The rinsate blanks and field blank were found to have concentrations of acidity exceeding detection limits. The data was qualified as “B”. The presence of the acidity in the rinse blank does not impact the usability of the data.

6.0 Conclusions

Review of the CLP and TestAmerica data indicate the data are of suitable quality for decision-making purposes with several exceptions. A number of the CLP samples have been rejected due to quality control issues. This includes five chromium results, two nickel results, three selenium results, 29 cyanide results, and 24 gold results, for a total of 63 results, that were qualified as rejected (R). A number of results appear to exceed the sensitivity requirements due to dilution of the CLP data. This created issues with the detection limits and matrix effects as well. The RPD on lead was extremely high, as well as several other compounds. Comparison of the gold results between the CLP and the TestAmerica data indicates the elevated detection limits masked the detection of gold at the lower concentrations. This is primarily due to dilution of the samples.

With the inclusion of both sets of CLP and TestAmerica results, the data are of sufficient quality for decision-making purposes.

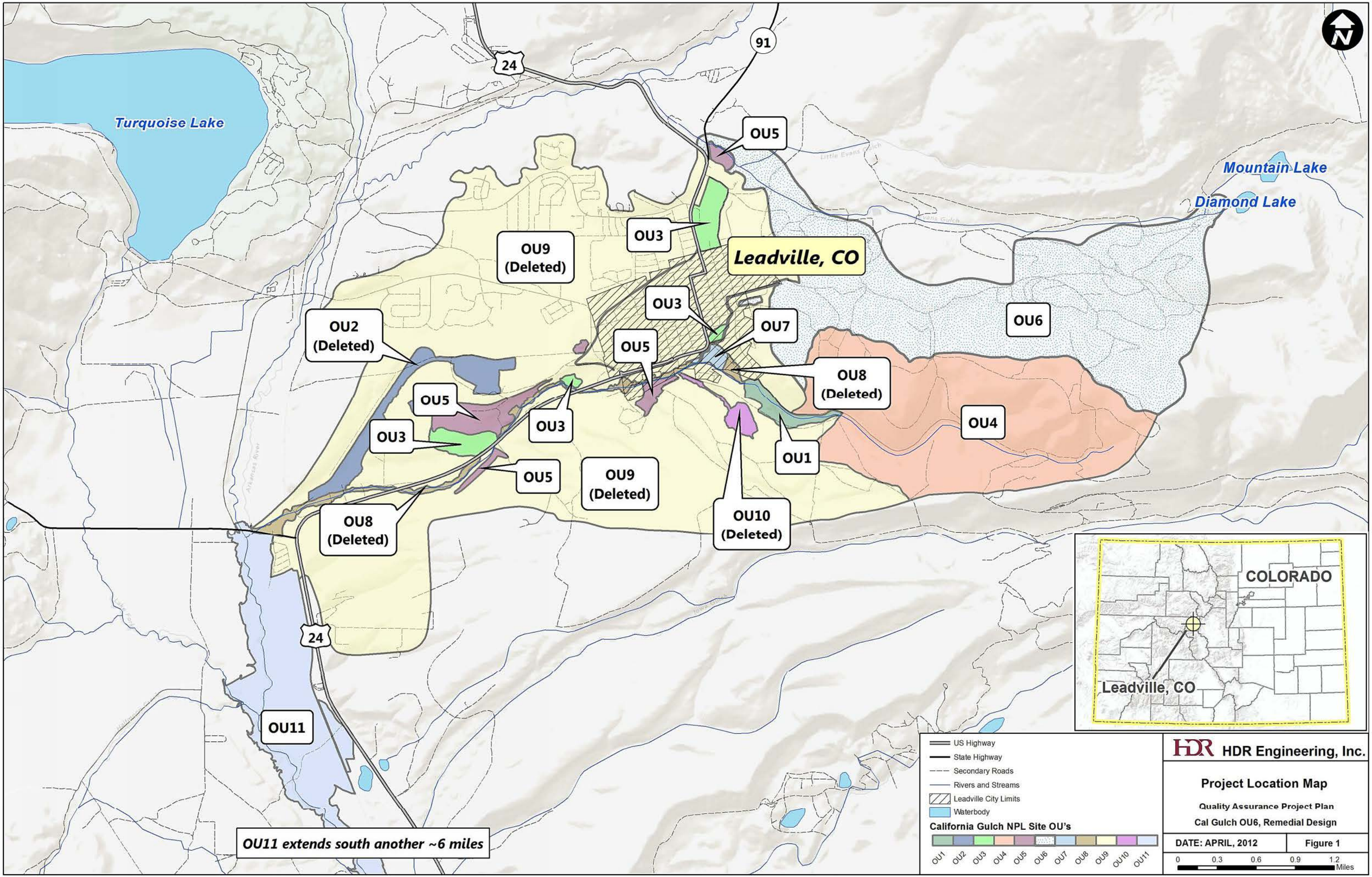
7.0 References

EPA, 2009. USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, OSWER 9200.1-85, USEPA-540-R-08-005, January 2009.

EPA, 2010, USEPA Contract Laboratory Program, National Functional Guidelines for Inorganic Superfund Data Review, OSWER 9240.1-51, USEPA-540-R-10-011, January 2010.

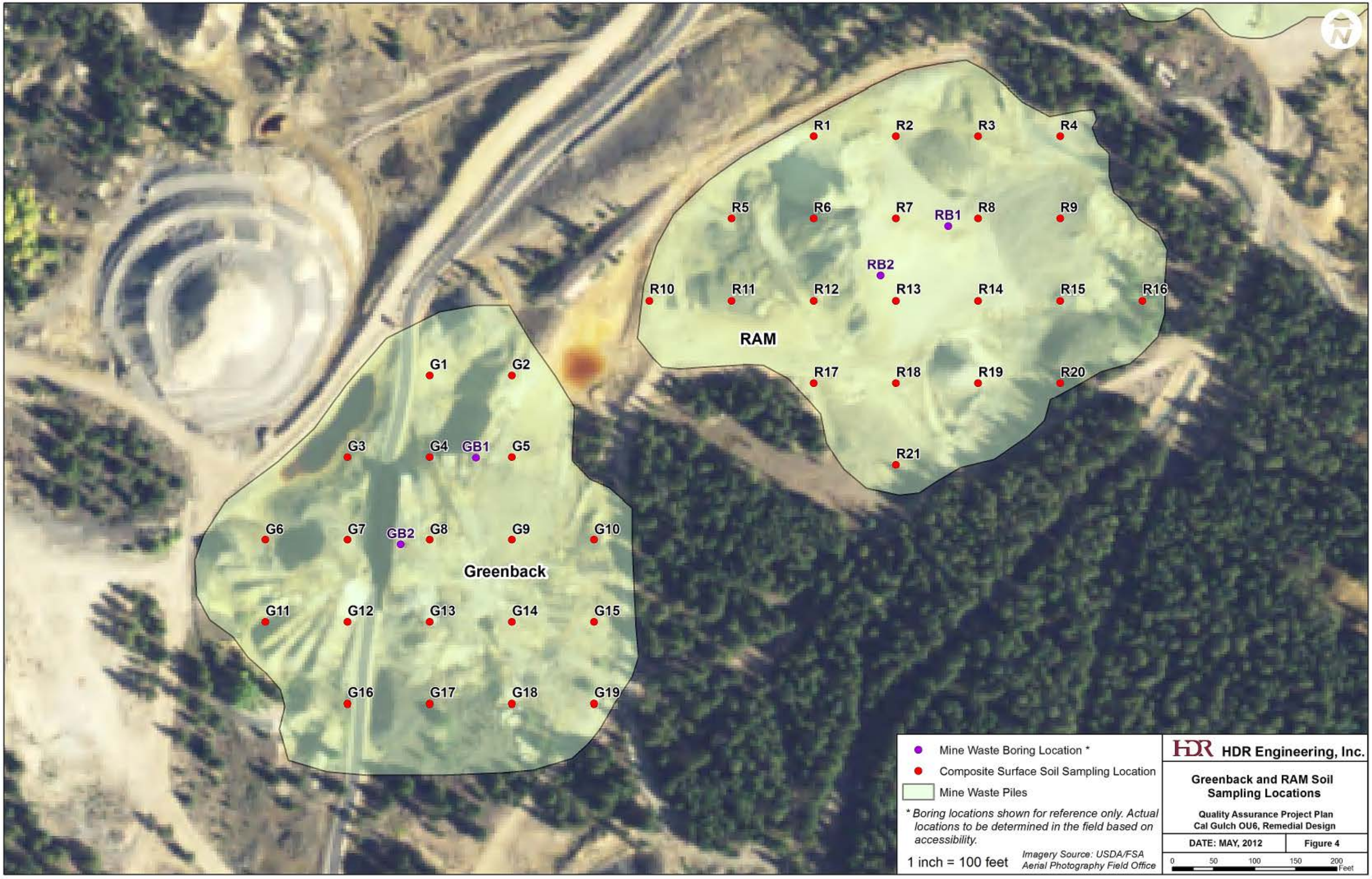
HDR, 2012. Final Project-Specific Pre-Design Investigation Uniform Federal Policy for Quality Assurance Project Plans for Region 2 Architect-Engineering Services Contract, Contract #EP-W-09-009, Work Assignment #021-RDRD-0829, California Gulch Superfund Site Operable Unit 6. HDR, August 1, 2012.

FIGURES


Turquoise Lake
24
91
OU5
Mountain Lake
Diamond Lake
OU3
OU9
(Deleted)
Leadville, CO
OU3
OU7
OU6
OU2
(Deleted)
OU5
OU8
(Deleted)
OU5
OU3
OU4
OU3
OU1
OU5
OU9
(Deleted)
OU10
(Deleted)
OU8
(Deleted)
24
OU11
OU11 extends south another ~6 miles
COLORADO
Leadville, CO
US Highway
State Highway
Secondary Roads
Rivers and Streams
Leadville City Limits
Waterbody
California Gulch NPL Site OU's
OU1
OU2
OU3
OU4
OU5
OU6
OU7
OU8
OU9
OU10
OU11
HDR Engineering, Inc.
Project Location Map
Quality Assurance Project Plan
Cal Gulch OU6, Remedial Design
DATE: APRIL, 2012
Figure 1
0
0.3
0.6
0.9
1.2
Miles

County Road 1
Mikados Pond
Highland Mary
New Mikados
Old Mikados
RAM
Ram Pond
Greenback Pond
Greenback
Pyrenees Pond
Pyrenees
County Route 1
County Route 2a
Existing Roads
Mine Ponds
Mine Waste Piles
Imagery Source: USDA/FSA Aerial Photography Field Office
HDR Engineering, Inc.
Site Map
Data Evaluation Report
Cal Gulch OU6, Remedial Design
DATE: FEBRUARY, 2013
Figure 2
0 180 360 540 720 Feet

New Mikados
County Route 1
Old Mikados
RAM
Greenback
Pyrenees
N
Rock/Soil Drilling & Sampling
Rock/Soil Drilling/Piezometer Installation
Preliminary Cutoff Alignment
Existing Roads
Mine Waste Piles
HDR Engineering, Inc.
Geotechnical Sample Collection Locations
Data Evaluation Report
Cal Gulch OU6, Remedial Design
DATE: FEBRUARY, 2013
Figure 3
0
80
160
240
320
Feet


R1
R2
R3
R4
R5
R6
R7
RB1
R8
R9
RB2
R10
R11
R12
R13
R14
R15
R16
RAM
R17
R18
R19
R20
R21
G1
G2
G3
G4
GB1
G5
G6
G7
GB2
G8
G9
G10
Greenback
G11
G12
G13
G14
G15
G16
G17
G18
G19
Mine Waste Boring Location *
Composite Surface Soil Sampling Location
Mine Waste Piles
* Boring locations shown for reference only. Actual locations to be determined in the field based on accessibility.
1 inch = 100 feet
Imagery Source: USDA/FSA Aerial Photography Field Office
HDR Engineering, Inc.
Greenback and RAM Soil Sampling Locations
Quality Assurance Project Plan
Cal Gulch OU6, Remedial Design
DATE: MAY, 2012
Figure 4
0 50 100 150 200 Feet

Highland Mary
New Mikados
NM1
NM2
NM3
NMB1
NMB2
NM4
NM5
NM6
NM7
NM8
NM9
NM10
OM1
OM2
OMB1
Old Mikados
OM3
OM4
OMB2
OM5
OM6
OM7
OM8
RAM
Mine Waste Boring Location *
Composite Surface Soil Sampling Location
Existing Roads
Mine Waste Piles
* Boring locations shown for reference only. Actual locations to be determined in the field based on accessibility.
1 inch = 100 feet
Imagery Source: USDA/FSA Aerial Photography Field Office
HDR Engineering, Inc.
Old Mikados and New Mikados Soil Sampling Locations
Quality Assurance Project Plan
Cal Gulch OU6, Remedial Design
DATE: MAY, 2012
Figure 6
0 50 100 150 200 Feet

APPENDIX A
Inorganic Data Quality Review Report – TestAmerica

HDR ENGINEERING, INC.
INORGANIC DATA QUALITY REVIEW REPORT
METALS BY Method 6010B ICP and Wet Chemistry Methods

SDG:

- SDG 280-31994-1 Sulfide and acidity (soil)
- SDG 280-32217-1 Sulfide and acidity (soil)
- SDG 280-32481-1 Sulfide and acidity (soil)
- SDG 280-32278-1 Sulfide and acidity (soil)
- SDG 280-32025-1 Sulfide and acidity (soil)
- SDG 280-32146-1 Sulfide and acidity (soil)
- SDG 280-31920-1 Sulfide and acidity (soil)
- SDG 280-32146-1 Gold (soil)
- SDG 280-32481-1 Gold (soil)
- SDG 280-31920-2 Total sulfur (soil)
- SDG 280-31994-2 Total sulfur (soil)
- SDG 280-32025-2 Total sulfur (soil)
- SDG 280-32146-3 Total sulfur (soil)
- SDG 280-32217-2 Total sulfur (soil)
- SDG 280-32278-2 Total sulfur (soil)
- SDG 280-32481-4 Total sulfur (soil)

PROJECT: Cal Gulch Superfund Site Operable Unit 06, CO

LABORATORY: TestAmerica and EPA CLP (Bonner and Spectrum

SAMPLE MATRIX: Soil

SAMPLING DATE (Month/Year): August /September 2012

NO. OF SAMPLES: 88 sulfur + QC; 19 gold + QC; 88 acidity + QC; 88 sulfide + QC

ANALYSES REQUESTED: SW-846 6020A gold, sulfur 6010B, 9034 sulfide, Standard Methods 2310B acidity

SAMPLE NO.: See EDDs for full sample identification

DATA REVIEWER: Todd Wilson

QA REVIEWER: _____ INITIALS/DATE: _____/2012

Telephone Logs included Yes____ No _X__

Contractual Violations Yes____ No _X___

The project QAPP (10/10 revisions), the EPA Contract Laboratory Program (CLP) National Functional Guidelines for Inorganic Review (2004), SW-846, and Standard Methods have been referenced by the reviewer to perform this data validation review. The EPA qualifiers have been expanded to include a descriptor code and value to define QC violations and their values, per the Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use, EPA 540-R-08-005, 13 January 2009. Per the

Scope of Work, the review of these samples includes Level III validation of all chains of custody, and QC forms referencing the QC limits in the above documents.

I. DELIVERABLES
All deliverables were present as specified in the Statement of Work or project contract.
Yes___X__ No____
The following is noted for clarification:
This report has been requested to include the following review: Holding times and sample integrity (chains of custody, sample log in), summary Quality Control (QC) and calibrations. No hard copy was received only pdf.
The Electronic Data Deliverables (EDDs) do not contain any field to correlate the QC to the associated samples nor does it contain any QC data. As the data are considered to be a Level III+ given the extensive raw data review required to associate client data to the correct QC.

Data for all analyses are in mg/kg for solids and µg/l for aqueous samples.

II. CALIBRATIONS
A. All initial instrument calibrations were performed as defined in the contract or Statement of Work (SOW).
Yes _X___ No___ NA____

B. The initial calibration verification (ICV) and continuing calibration verification (CCV) standards were analyzed at the required frequency.
Yes__X__ No____

C. And the ICV and CCV standard percent recovery results were within the required control limits of 90 – 110%.
Yes__X_ No____

D. CRDL STANDARDS
The low level Contract Required Detection Limit (CRDL) standard was analyzed, and the 70 – 130% limits were met (50 – 150% for ICP: Au; ICP/MS: Au).
Yes _X_ No____ NA___

III. BLANKS
Note: the highest blank associated with any particular analyte is used for the qualification process and is the value entered after the "B" blank descriptor.

A. The initial calibration blanks (ICB) and continuing calibration blanks (CCB) were analyzed at the required frequency.
Yes__X__ No____ NA____

B. And the ICB and CCB results were within the required control limits.
Yes __X__ No ____ NA _____

C. And all analytes in the Leach Blank were less than the CRDL, or less than 2x the instrument detection limit (IDL), whichever is lower.
Yes____ No____ NA___X_

IV. PREPARATION BLANKS
A. Preparation blanks were prepared and analyzed at the required frequency.
Yes__X__ No____

B. And all analytes in the preparation blank were less than the CRDL, or less than the instrument detection limit (IDL), whichever is lower.
Yes_X___No__ __

C. Field, trip, decon rinse or other field blanks are contained and identified in the package.
Yes __X_ No____ NA___ _
Field and rinsate blanks were provided in these data sets.

D. And the reported results are less than the CRDL or less than the IDL, whichever is lower.
Yes ____ No ___ NA__X__

V. ICP INTERFERENCE CHECK SAMPLE
A. The Interference Check Sample (ICS) was analyzed as required in the SOW or contract.
Yes__X_ No____ NA____

B. And the ICS percent recovery results were reported for all required ICS analytes and were within required control limits of 80% to 120%.
Yes__X__ No____ NA____

C. ICP analysis results for analytes not required to be present in a given ICS standard were within acceptable limits.
Yes____No____ NA__X__
Not requested by client and data not provided by laboratory.

VI. SPIKE SAMPLE RECOVERY
A. A matrix (pre-digestion) spike sample was analyzed for each digestion group and/or matrix or as required in the SOW.
Yes __X___ No____

B.The MS and MSD percent recoveries (%R) were within the laboratory limits defined in the QAPP.
Yes ___X__ No __ __ NA____

C. A Post-digest spike was analyzed if required.
Yes__X__No__ __ NA____
Post digest spikes were reported.

D. The MS/MSD samples included client samples
Yes _X__ No___ NA____

VII. DUPLICATES
A. Matrix (pre-digestion) duplicate samples were analyzed at the required frequency
Yes __X__ No____
The laboratory ran MS/MSD samples using MS/MSD samples provided.

B. And the Matrix duplicate relative percent differences (RPD) were within the required control limits (Water 20%, Soil 35%) or the RL limits were met if the duplicate values are < 5 x RL. If the either one of the duplicate results are < 5 X RL, the RPD is not used. The QC limit used is the difference between the original and the duplicate results (± the RL) for water and (± 2X the RL) for soils. See table below.

Yes ____ No __X__ NA_____

VIII. LABORATORY CONTROL SAMPLE
A. Laboratory control samples (LCS) were analyzed at the required frequency.
Yes _X___ No____

B. LCS recoveries were within the required control limits of 80 to 120%.
Yes __X___ No____

IX. ICP SERIAL DILUTION
A. ICP Serial Dilutions have been analyzed at the required frequency if the analyte concentrations are greater than 50 x IDL (x 100 for ICPMS).
Yes__X__ No___ NA_____
Serial dilutions were reported but could not be calculated due to non-detects.

B. And the percent difference criteria of ± 10 % have been met.
Yes ____ No ____ NA__X__

X. INSTRUMENT DETECTION LIMITS
A. The Instrument Detection Limits have met the Quarterly reporting requirements.
Yes ___X_ No____ NA___
This was determined to be acceptable during the contractual process.

B. And all sample results have met the required detection limits (CRDL).
Yes__X__ No____ NA____
The 2 dilution factor represents a step in the soil analysis and is not indicative of a dilution of the samples. Samples were diluted due to matrix interferences.

XI. PREPARATION AND ANALYSIS LOGS
A. All samples were prepared or analyzed within the required holding times referencing the SOW (time of sample receipt to preparation/distillation).
Yes___X_ No____

B. All samples were analyzed within the method recommended holding times (time of sample collection to date of analysis).
Yes__X___ No____

C. Chains of Custody (COC)
1. Chains of Custody (COC) were reviewed and all fields were complete, signatures were present and cross outs were clean and initialed.
Yes_____ No__X__
The COC did not contain all sample collection times. This information is provided in the log books.

2. Samples were received at the required temperature and preservation.
Yes__X__ No____
No irregularities are noted in the narrative or on the log-in forms that appear to relate to metals.

XII. FIELD QC
A. Field QC samples (duplicates, SRMs) were identified.
Yes __X__ No____

Field duplicates have been identified as:

- G1 and G20
- GB1-10 and GB2-40
- R1 and R22
- NM1 and NM11
- OB1-10 and OB1-11

TestAmerica Data													
		Gold (mg/kg)			Sulfide (mg/kg)			Acidity (mg/kg)			Total Sulfur (mg/kg)		
Primary Sample	Duplicate Sample	Primary Result	Dup Result	RPD	Primary Result	Dup Result	RPD	Primary Result	Dup Result	RPD	Primary Result	Dup Result	RPD
G1	G20	--	--	--	<2.7	<2.8	NC	1000	980	2	14000	17000	19
GB1-10	GB2-40	--	--	--	<2.9	<2.9	NC	5600 B	6100 B	8.6	27000	39000	36
R1	R22	--	--	--	<2.9	<2.9	NC	11000	10000	9.5	12000	12000	0
NM1	NM11	--	--	--	<2.7	<2.7	NC	2100 B	1900 B	10	79000	130000	48.8
OB1-10	OB1-11	1.7	0.78	**74**	<2.9	<2.9	NC	16000	15000	6.4	100000	65000	42.2
CLP Data (Bonner)													
G1	G20	45.8	46.0	0.4	--	--	--	--	--	--	--	--	--
GB1-10	GB2-40	48.8	47.8	2.1	--	--	--	--	--	--	--	--	--
R1	R22	50.1	47.7	4.9	--	--	--	--	--	--	--	--	--
NM1	NM11	43.2	44.1	2.1	--	--	--	--	--	--	--	--	--
OB1-10	OB1-11	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

-- Results not analyzed
NC – not calculated
J – estimated value
B – blank contamination
U – not detected
mg/kg – milligrams per kilogram
< - Value is less than the detection limit
Bold – exceeds 35% RPD for aqueous or 50% RPD for solids

B. Field duplicates were within a guidance limit of < 35% RPD limit for water or <50% RPD limit for soil. If values are < 5 x RL, the water limit is ± 2 x RL and the soil limit is ±4 x RL. Final determination will be made by the project manager.

Yes ____ No__X__ NA__ _

Based on the review of the RPD, there are two duplicate pairs that the difference exceeded the criteria. Duplicate results at OB1-10/OB1-11 for gold analysis for acidity exceeded the 50% RPD for soil; however, the reported values for gold are < 5x the RL.

XIII. GENERAL COMMENTS

The laboratory has complied with the requested methods and the quality of the data is acceptable and usable with consideration of the qualifications that have been applied.

Deliverables

This report has been requested to include the following review: Holding times and sample integrity (chains of custody, sample log in), summary QC and calibrations. No hard copy was received only pdf.

Calibration

All calibrations were within QC criteria. No qualifications of data were required.

Matrix Spikes/Matrix Spike Duplicates

MS/MSD samples were designated on the chains extra volume was provided for QC samples. There were 7 client samples used for the ICP soil MS/MSD and the project frequency for matrix precision and accuracy has been met. Data could be biased high or low proportional to the recovery. When the sample result is greater than (4 x spike) the recovery is not statistically valid and data are not qualified.

Sample #/Batch	Laboratory	Compound	%R or RPD	Limit %	Qualifiers
280-31994-2	TestAmerica	Sulfur	21% RPD	20	E4, 4F
280-32025-2	TestAmerica	Sulfur	26% RPD	20	4, 4F
280-32481-4	TestAmerica	Sulfur	21 % RPD	20	4, 4F

As noted in the table above, data for sulfur have been qualified with E4, 4 or 4F. These qualifiers indicate the original concentration of the sample is 4 times greater than the MS/MSD spike concentrations (4), the results exceed the calibration range (E), or the RPD of the MS/MSD exceeds the control limits of 20 % (F).

CLP data were qualified as D, where results required dilution. The N qualifier was not provided.

Calibration and Method Blanks

ICB and CCB data were not provided by TestAmerica. Documentation indicates the samples were analyzed. No data have been qualified by TestAmerica due to ICB and CCB values being out of compliance.

There were detections of numerous analytes. No data are qualified as results are either ND or > 5 x blank. Compounds were reported to the MDL. This can lead to false detected values at low levels. As most of the client data are well over the RL and many analytes are highly diluted, this may not be an issue unless there are low level contaminants which are elevated proportional to the dilution.

Field and Rinsate Blanks

Field blanks were submitted. Detections of acidity were noted in the rinsate and field blanks. The method blanks for metals indicated low concentrations of a number of metals at estimated "J" concentrations. No data were qualified by the CLP labs as "B", for blank contamination.

Field Duplicates

Field duplicate are identified above. Of the five (5) QC samples, only one pair for acidity exceeded the acceptance criteria.

Chains of Custody

Chains of Custody were completed electronically for CLP data, and hardcopy for TestAmerica. A few items were noted in the TestAmerica narratives on the COCs including:

1) Sample collection times for samples listed on COC 152880 (SDG 280-32481-1) were logged per the container label, but not provided on the COC.
2) Analysis for Gold was added after the samples were received by TestAmerica (SDG 280-32146-2).
3) Analysis for Gold was added after the samples were received by TestAmerica (SDG 280-32481-3).
4) No other anomalies were noted on the COCs.

Reporting Limits

Note that there are extensive dilutions which can lead to a decrease in accuracy. Method 6010, ICP, is suggested as an alternative to possibly avoid such high dilutions, although suspended residue in the digests could also clog the ICP nebulizer.

The values are high enough that project actions are probably clear regardless of the exact values.

TABLE OF QUALIFIED DATA

SampID	ClientSampID	Analyte	Result ug/kg	MDL ug/kg	Qualifier
280-32481-1	NB2-10	Gold	0.99	0.29	JS2BVM
280-32481-3	NB2-30	Gold	0.36	0.28	JS2BVM
280-32481-7	OB1-10	Gold	1.7	0.30	JS2BVM
280-32481-8	OB1-11 (Dup of OB1-10)	Gold	0.78	0.30	JS2BVM
280-32481-9	OB1-20	Gold	0.58	0.30	JS2BVM
280-32146-3	NB1-40	Gold	0.24	0.058	JS2BVM
280-32146-4	NB1-30	Gold	0.66	0.27	JS2BVM
280-32146-5	NB1-41 (Dup of NB1-40)	Gold	0.078	0.056	JS2BVM
280-31994-2	G-8	Acidity	1300	7.9	BS2BVM
280-31994-3	G-2	Acidity	3900	7.9	BS2BVM
280-31994-4	G-13	Acidity	1400	7.9	BS2BVM
280-31994-6	G-4	Acidity	3100	7.9	BS2BVM
280-31994-7	G-3	Acidity	1300	7.9	BS2BVM
280-31994-8	G-6	Acidity	950	7.9	BS2BVM
280-31994-10	R-11	Acidity	1800	7.9	BS2BVM
280-31994-11	R-10	Acidity	1500	7.9	BS2BVM
280-31994-12	R-17	Acidity	360	7.9	BS2BVM
280-31994-13	R-21	Acidity	310	7.9	BS2BVM
280-31994-14	R-12	Acidity	1300	7.9	BS2BVM
280-31994-15	R-5	Acidity	1500	7.9	BS2BVM
280-31994-16	G-1	Acidity	1000	7.9	BS2BVM
280-31994-117	G-20	Acidity	980	7.9	BS2BVM
280-32481-5FB	FB16	Acidity	2	2	JS2BVM
280-32481-6RB	RB16	Acidity	2	2	JS2BVM
280-32481-10	OB1-30	Acidity	830	7.9	BS2VBM
280-32481-12FB	FB17	Acidity	6	2	JS2VBM
280-32481-13RB	RB17	Acidity	2	2	JS2BVM
280-32481-14	OB2-10	Acidity	51	7.9	BS2VBM
280-32481-17FB	FB06	Acidity	4	2	JS2BVM
280-32481-18RB	RB06	Acidity	6	2	JS2BVM
280-32217-1	RB-2	Acidity	1200	7.9	BS2VBM
280-32217-2	RB2-20	Acidity	4300	7.9	BS2VBM
280-32217-3	RB2-30	Acidity	1400	7.9	BS2VBM
280-32217-4	FB15	Acidity	46	2	BS2VBM
280-32217-5	RB15	Acidity	22	2	BS2VBM
280-32217-7	RB1-20	Acidity	50	7.9	BS2VBM
280-32278-1	GB2-40	Acidity	6100	7.9	BS2VBM

SampID	ClientSampID	Analyte	Result ug/kg	MDL ug/kg	Qualifier
280-32278-2	GB1-10	Acidity	5600	39	BS2VBM
280-32278-4	GB1-30	Acidity	2200	7.9	BS2VBM
280-32278-5	GB2-10	Acidity	3900	7.9	BS2VBM
280-32278-6	GB2-20	Acidity	3900	7.9	BS2VBM
280-32278-7	GB2-30	Acidity	2700	7.9	BS2VBM
280-32278-8	NM3	Acidity	3700	7.9	BS2VBM
280-32278-10	RB14	Acidity	2	2	JBS2VBM
280-32278-11	OM-5	Acidity	6400	40	BS2VBM
280-32278-12	OM-3	Acidity	7800	39	BS2VBM
280-32278-13	OM-6	Acidity	12000	40	BS2VBM
280-32278-14	OM-4	Acidity	2400	7.9	BS2VBM
280-32278-15	NM-1	Acidity	2100	50	BS2VBM
280-32278-16	NM-11	Acidity	1900	7.9	BS2VBM
280-32278-17	NM-2	Acidity	1100	7.9	BS2VBM
280-32278-20	NM-7	Acidity	350	7.9	BS2VBM
280-32025-15	R-16	Acidity	5200	7.9	BS2VBM
280-32146-1	NB1-10	Acidity	4000	7.9	BS2VBM
280-32146-2	NB1-20	Acidity	2400	7.9	BS2VBM
280-32146-3	NB1-40	Acidity	3200	7.9	BS2VBM
280-32146-4	NB1-30	Acidity	1500	7.9	BS2VBM
280-32146-5	NB1-41	Acidity	2400	7.9	BS2VBM
280-32146-7	NM-9	Acidity	4600	7.9	BS2VBM
280-32146-8	NM-10	Acidity	1900	7.9	BS2VBM
280-32146-10	NM-5	Acidity	4000	7.9	BS2VBM
280-32146-11	NM6	Acidity	2000	7.9	BS2VBM
280-32146-12	OM7	Acidity	190	7.9	BS2VBM
280-32146-13	OM8	Acidity	12000	40	BS2VBM
280-31920-2	G11	Acidity	4000	7.9	BS2VBM
280-31920-3	G10	Acidity	2900	7.9	BS2VBM
280-31920-5	G12	Acidity	2500	7.9	BS2VBM
280-31920-6	G14	Acidity	1200	7.9	BS2VBM
280-31920-7	G15	Acidity	66	7.9	BS2VBM
280-31920-8	G16	Acidity	300	7.9	BS2VBM
280-31920-9	G19	Acidity	340	7.9	BS2VBM