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FINAL REMEDIAL ACTION WORK PLAN FOR ORION STREET AND FITCH AVENUE SKEET RANGE SOIL REMEDIATION NAS BRUNSWICK ME

10/1/2013

USA ENVIRONMENTAL INC

DEPARTMENT OF THE NAVY
BASE REALIGNMENT AND CLOSURE
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5090
Ser BPMOE/14-018
October 18, 2013

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Dear Mr. Daly and Ms. Sait:

Enclosed, please find the Final Remedial Action Work Plan for the Orion Street Skeet Range, Former Naval Air Station Brunswick, Maine. It should be noted that the Navy has also included information related to a limited cleanup action for lead contaminated soils at Fitch Avenue Skeet Range as well. This work plan is intended to provide the technical approach for a remedial action for to remove and dispose of surface soil from areas identified as exhibiting elevated levels of lead within the top several inches. The purpose of the remedial action is to mitigate risk from exposure to lead in the surface soil. Results or other new information obtained during this process will support the forthcoming risk assessment and any follow-on efforts required for transfer of the property.

The Navy plans to mobilize for the lead soil remediation during the week of October 21, 2013. If you have any questions or comments, please contact the Navy's Remedial Project Manager, Todd Bober at (215) 897-4911.

Sincerely,

Paul F. Burgio
BRAC Environmental Coordinator
By direction of BRAC PMO

Enclosure: Final Orion Street and Fitch Avenue Skeet Range Soil Remediation, Former Naval Air Station Brunswick, October 2013

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FINAL

REMEDIAL ACTION WORK PLAN (RAWP)

ORION STREET & FITCH AVENUE
SKEET RANGE SOIL REMEDIATION
FORMER NAVAL AIR STATION BRUNSWICK
BRUNSWICK, MAINE

Submitted to:

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Navy Munitions Response Actions (MRA)
Contract No. N62470-11-D-8007
Task Order WE01

October 2013

Reviewed by:

Robert Crownover
Director of Safety and Quality

FINAL
REMEDIAL ACTION WORK PLAN
ORION ST. & FITCH AVE. SKEET RANGE SOIL REMEDIATION
Former Naval Air Station Brunswick, Brunswick, Maine
October 2013

MRA
N62470-11-D-8007
CTO WE01

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LIST OF ACRONYMS

AAR	After Action Report
APP	Accident Prevention Plan
ASM	Assistant Site Manager
bgs	below ground surface
BOL	Bill of Lading
BRAC	Base Realignment and Closure
C	Celsius
CD	Compact Disk
CFR	Code of Federal Regulations
CHSM	Corporate Health and Safety Manager
CPR	Cardiopulmonary Resuscitation
CSM	Conceptual Site Model
cy	cubic yard
DOT	Department of Transportation
DQO	Data Quality Objectives
DSQ	Director of Safety and Quality
DU	Decision Unit
EB	Equipment Blank
ECM	Erosion Control Mix (berms)
FASR	Fitch Avenue Skeet Range
FE	Field Engineer
GIS	Geographical Information System
GPS	Global Positioning System
HAZWOPER	Hazardous Waste Operations and Emergency Response
IAW	in accordance with
IDW	Investigation-Derived Waste
MEDEP	Maine Department of Environmental Protection
MS	Matrix Spikes
MRRA	Midcoast Regional Redevelopment Authority
MSD	Matrix Spike Duplicate
NAS	Naval Air Station
NASB	Naval Air Station Brunswick
NAVFAC	Naval Facilities Engineering Command
OSHA	Occupational Safety and Health Administration
OSSR	Orion Street Skeet Range
PAHs	polycyclic aromatic hydrocarbons
PCB	Polychlorinated Biphenyl
PM	Project Manager
POC	Point of Contact
PPE	Personal Protective Equipment
PT	Project Team
QA	Quality Assurance

QC	Quality Control
QCP	Quality Control Plan
RA	Remedial Action
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RI	Remedial Investigation
SAP	Sampling and Analysis Plan
SDZ	Surface Danger Zone
SHSP	Site Health and Safety Plan
SI	Site Investigation
SIM	Selective Ion Monitoring
SSHO	Site Safety and Health Officer
SM	Site Manager
SOPs	Standard Operating Procedures
SOW	Statement of Work
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TAT	turnaround time
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
UCL	Upper Confidence Limit
USA	USA Environmental, Inc.
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
WP	Work Plan
XRF	X-ray fluorescence

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CHAPTER 1. INTRODUCTION

This work is being conducted under Contract N62470-11-D-8007, CTO WE01 for Naval Facilities Engineering Command (NAVFAC) MIDLANT. USA Environmental (USA) will coordinate with both NAVFAC and the point of contact (POC) at the former Naval Air Station Brunswick (NASB). This work is being conducted by the Navy following consultation with Maine Department of Environmental Protection (MEDEP) and the United States Environmental Protection Agency (USEPA). This Remedial Action Work Plan (RAWP) describes the remedial action which will address elevated lead concentrations in the surface soil at the Orion Street Skeet Range (OSSR) and the Fitch Avenue Skeet Range (FASR), both of which are located at the former Naval Air Station Brunswick (NASB) (Appendix A, Figures 1, 2, and 6). The FASR is located near the entrance to the former NASB, just west of Admiral Fitch Avenue and north of Captain's Way. The OSSR is located southeast of the intersection of Neptune Drive and Orion Street.

1.1 PURPOSE

This RAWP describes the excavation of areas exhibiting elevated levels of lead at the former OSSR and FASR with the purpose of mitigating risk from exposure to lead in the surface soil. The bounds of the areas to be excavated at the OSSR are defined in this RAWP, based on Site Inspection (SI) and Remedial Investigation (RI) sampling, and the most recent supplemental pre-design sampling. The pre-design sampling activities are discussed in greater detail in Section 1.3.3 below. The bounds of the areas to be excavated at the FASR were provided by the Navy just prior to completion of this RAWP, and require further adjustment. Therefore, additional information addressing the limits of excavation at the FASR will be provided to MEDEP and USEPA for their review prior to mobilization at the FASR. The remedial action will be documented in the After Action Report (AAR), which will include the results of the confirmatory sampling for the former OSSR and FASR. In addition, a risk assessment documenting that potential risk levels have been reduced to acceptable levels will be conducted in a follow-on effort under a separate contract.

1.2 REMEDIAL DESIGN GOALS

The site cleanup objective is a remedial management value between 130 mg/kg and 155 mg/kg for lead. The achievement of the objective will be based on a calculation of the 95% upper confidence limit (UCL) for each decision unit (DU). For the OSSR it is calculated using existing surface soil data collected. Refer to Appendix A, Figure 2, OSSR Site Map, which shows the DUs and previous sample locations. The excavation area at the FASR is not subdivided into DUs at this time.

The initial dataset will include all surface soil sampling results from previous sampling efforts. It will also include post-excavation floor and perimeter confirmatory samples. The 95% UCL for DU1, DU2, and DU3, as delineated in Figure 2, will be evaluated separately, as appropriate (e.g., if excavation is not required in a DU, then an evaluation of the 95% UCL will not be conducted). The data associated with samples that are located within the soil removed from excavation areas will be removed from the dataset, such that the 95% UCL will be representative of surface soil [0 to 3 in. below ground surface (bgs)] remaining on-site. The 95% UCL will be calculated by entering the dataset into the computer program ProUCL version 4.1 (USEPA, 2013). A goodness-of-fit test was first performed on each dataset to determine the type of data distribution (normal, logarithmic, gamma, or undiscernibly distributed) to guide selection of the appropriate statistical method for calculation of the 95% UCL. Printouts of the 95% UCL calculation will be provided in the AAR.

Prior to commencing excavation of contaminated soils from DU2, the excavation area boundaries will be extended to get as far down the slope and close to the water as practical in areas identified as having elevated concentrations of lead contamination along the shore. However, areas that are identified as too steep or too close to the water will be flagged and not excavated at this time. If that is the case, the determination will be made in the field that these areas will not be included, and the affected areas will be addressed at a later time either through a hot spot removal or during a separate investigation of the impoundment & Picnic Pond Drainage system. Any soil samples remaining on the slope for under this scenario will not be included in the post-excavation 95% UCL calculation.

1.3 OSSR SITE HISTORY AND PREVIOUS ACTIVITIES

1.3.1 Site History

The former OSSR is 78 acres in aerial extent and is located east of the runways of the former NASB. The former skeet range was used for training military personnel during the 1950s. Navy Programming guidance from the 1950s defined the Surface Danger Zone (SDZ) of a skeet range as a 900-ft radius centered on the firing point. Range maps from 1952 illustrate the range with a firing direction to the north; however, on later maps from 1957 the range is shown with a firing direction to the east. The firing direction was changed from north to east because the area to the east was not developed at the time. The area enveloped by both range fans, shown in Appendix A, Figure 2, is the subject of the current remediation.

1.3.2 Previous SI and RI Sampling

Previous investigations were conducted at the former OSSR by Tetra Tech, Inc., as part of the SI performed in June and December 2009 and the RI in December 2011 (Tetra Tech, 2009, 2011). Soil samples collected in December 2009 in support of the SI and in December 2011 in support of the RI were submitted for laboratory analysis of polycyclic aromatic hydrocarbons (PAHs) and metals. Soil samples collected during the June 2009 SI were field analyzed for lead only using X-ray fluorescence (XRF). Included in the RI sampling program were a total of 119 surface soil samples and 118 subsurface samples [ranging from 3 to 48 in. below ground surface (bgs)], that were collected and analyzed using both extraction analytical methods and field readings from the handheld XRF. As a result, lead was identified as the contaminant of concern within the upper 3 in. of the soil.

Two of the soil samples collected in the RI from depths greater than 3 in. exhibit elevated concentrations of lead. Samples were collected at the interval of 3 to 12 in. bgs at SS06 and SS07 with concentrations of 342 mg/kg and 720 mg/kg, respectively. Both samples are located north of the water impoundment and have elevated surface soil locations and are included in proposed excavation areas. With the exception of these two subsurface locations, it appears that lead impacts are limited to the surface soils (0 to 3 in. bgs).

1.3.3 Pre-Design Soil Sampling

1.3.3.1 Procedures

Pre-design surface soil sampling was conducted in July 2013 at 93 locations per the Final Pre-Design Work Plan (USA, 2013). Results from the SI and the RI indicate that there are small areas located within the two fans of the skeet range with elevated concentrations of lead in the surface soil. Therefore, sample locations were selected to better define the possible extent of surficial lead impacted areas to support the delineation of future excavation.

A 1-ft radius surrounding the sample location was cleared of vegetative material to expose the soil surface. After the vegetative layer was removed, soil samples were collected at a depth of 0 to 3 in. below the ground surface. Using disposable hand tools, the upper 3 in. of soil was loosened and then hand sifted to examine for and remove lead shot (pellets) and clay pigeon fragments. The soil was then placed into a disposable container, homogenized by hand mixing, and placed into a sample container. Sixty-four Phase I samples were collected, typically at a distance of approximately 30 ft from the preexisting sample locations. Thirty-five Phase II samples were collected at locations typically 60 ft from preexisting locations and were held by the lab. A total of 16 of the Phase II samples were analyzed based on Phase I sampling results.

1.3.3.2 Observations

During the 2013 pre-design sample collection, no shotgun pellets were observed; however, clay pigeon fragments were found in several locations to the east of the interpreted former firing point. Small (1- to 3-cm) fragments were found at locations SS201 and SS202 while a large number of fragments (1- to 5-cm) were found at location SS257 (Appendix F, Soil Sample Sheets). Additionally, structural evidence

(wooden pilings) of a former throwing stand was found at location SS257 and approximately 20 meters west of this location.

1.3.3.3 Results

Based on the analytical results from the Phase I and Phase II samples, the distribution of lead at the OSSR has been better defined (see Appendix F, Table F-1). Appendix F includes the Pre-Design sample collection data, field soil sampling forms, photo log, pre-design laboratory data report, and laboratory data validation information. Locations of elevated lead concentrations are shown on site maps (Appendix A – Figures 3A, 3B, and 3C). Forty-three Phase I samples (includes two duplicates) and 22 Phase II samples (includes two duplicates) were analyzed from DU2. The combined dataset, hereafter referred to as the "baseline" or "pre-excavation" dataset, included all of the pre-design data and the RI/SI data collected at depth intervals of 0 to 3 in. bgs and 0 to 12 in. bgs. The baseline 95% UCL for DUs 2 and 3 are 807 mg/kg and 331 mg/kg, respectively. The 95 UCL values are based on lognormal data distributions.

1.4 OSSR SITE GEOLOGY

1.4.1 Subsurface Geology

Bedrock underlying the former OSSR is part of the Ordovician Cape Elizabeth Formation. The bedrock is generally rusty weathering, micaceous schist and gneiss with interbeds of mica-quartz schist. Overlying soils belong to the Windsor-Hinckley-Deerfield Association and are described as deep (restrictive layers greater than 80 in.), excessively drained to moderately well drained, nearly level to steep, coarse textured sandy-silts. During the 2013 pre-design sampling event, the overlying vegetative material was observed to be approximately 1 to 3 in. thick. Photo 1 shows the vegetative and surface soil layer scraped aside for soil sampling. North of the ponds, the cover layer was typically leaf litter and roots. South of the ponds the cover layer was commonly thickly matted pine needles.

Photo 1: Vegetative and Surface Soil Layer

Photo 2: Average Woodland Area

Photo 3: Typical Steeply Sloped Bank

1.4.2 Topography

The site is relatively level and slopes gently to the north and east towards the ponds. In Appendix A, Figures 3A through 3C include topographic contours. Photo 2 is representative of the wooded areas of DUs 2 and 3. Many of the slopes bordering the pond are moderately to steeply dipping (see Photo 3). Steeply dipping slopes were observed in grids F25 through F27 (dipping south); F23 (dipping east); I25-I27 (dipping north); and L13-L15 (dipping north). Generally, the slope crested to a level surface at a distance of 15 to 20 ft away from the water. Surface water follows the topography and drains into the ponds south of Neptune Road. The two ponds receive water primarily from north of the former skeet range and drain to the southeast into an unnamed creek.

1.5 FASR BACKGROUND

1.5.1 Site History and Previous Investigations

The Fitch Avenue Skeet Range is identified on a 1943 drawing as “Skeet Range,” and Building 76 (B76) is identified as the skeet range storehouse on a 1946 drawing. Navy records indicate that the Skeet Range was moved to “a new location on Range Road at the Machine Gun Range” in 1946. The Base was deactivated by the end of 1946. In 1950 before the Base was reactivated in March of 1951, B76 was identified on a list of buildings available for lease as a “dwelling (skeet range storehouse).” B76 appears on the 1952 base map but not after that time. No further information regarding this former building was found. The area appears to have been cleared in an aerial photograph dated 1958.

The Fitch Avenue Skeet Range was initially investigated in May 2012 by Tetra Tech. Forty surface soil samples were collected and analyzed for lead. Two of the samples located in the southern portion of the area of investigation had lead detections above the screening criterion of 340 mg/kg [MEDEP Remedial Action Guideline (RAG), residential scenario]. Subsequently, in June 2012 the Navy decided to remove the soil from the locations of SS-19 and SS-21. Confirmatory sampling results indicated that the SS-19 location had successfully been addressed; however, elevated lead levels persisted in the soils around SS-21. The excavation was expanded from 3 ft. x 3 ft. to 4.5 ft. x 5.0 ft.; however, soil exceedances for lead persisted and the sampling area was expanded through additional soil sampling/field screening with an X-Ray Fluorescence (XRF) unit.

The additional sampling and XRF screening included the collection of 257 additional samples over the course of sampling events on June 15, June 22-23, and July 3, 2012, with 12 of the samples also submitted to a fixed-base lab for lead analysis (and 10 of these 12 samples were analyzed for Target Analyte List (TAL) metals). The samples were also field examined for lead shot pellets; no pellets were found in any of the samples. The extent of lead exceedances of the 340 mg/kg criterion is not well bounded to date. The ecological risk assessment for the OSSR indicated that an average lead level of 155 mg/kg would be protective of ecological receptors; that extent is also not well bounded to date.

1.5.2 Scope for Remedial Action

A draft statement of work (SOW) dated September 2013 for the FASR was provided by the Navy. The site cleanup approach is consistent with the goal for the OSSR. The cleanup objective is a remedial management value between 130 mg/kg and 155 mg/kg for lead, and the achievement of the objective will be based on a calculation of the 95% UCL for the FASR calculated using site surface soil data. The estimated extent of shallow soil with lead concentrations above the removal action goal is shown in Figure 1-1 on the following page.

Other information obtained about the site as a result of the remedial effort will be considered for further evaluation (e.g., analytical results of soil samples collected for waste characterization or items of interest discovered during soil remediation).

The Navy is scheduled to conduct soil remediation at the OSSR in the fall of 2013. The Navy is pursing inclusion of the FASR soil remediation with the fall effort, provided that project planning, available funding, and weather enable the work to proceed. If it becomes apparent that the complete soil removal and replacement cannot be completed in the fall, a portion of the work, such as tree removal, may be performed in the fall. Otherwise, all work at FASR will be deferred until the spring of 2014. Additional information will be provided as necessary to support the work plan for the FASR prior to executing the FASR field work.

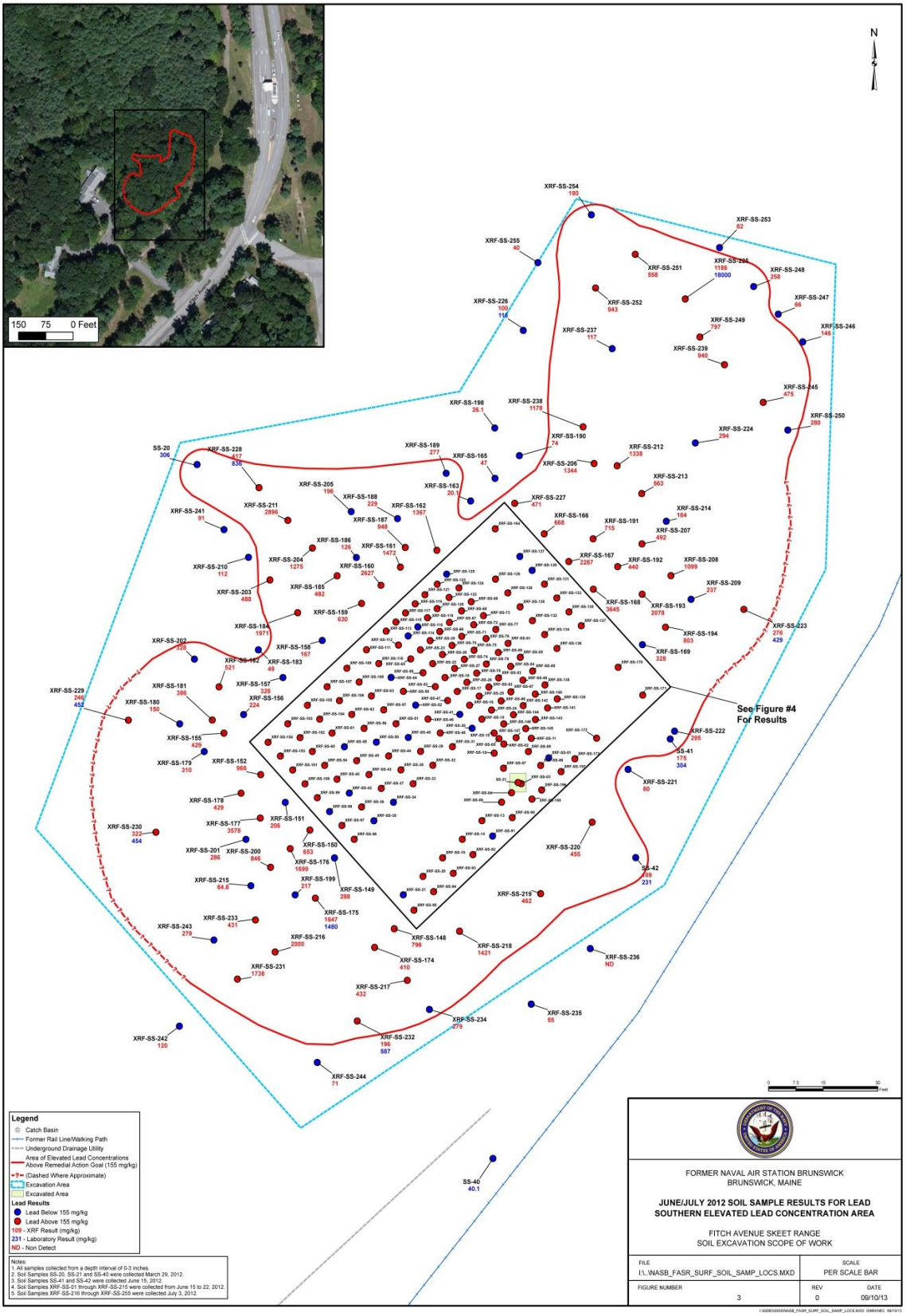

Figure 1-1: Draft FASR Excavation Area

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CHAPTER 2. TECHNICAL MANAGEMENT PLAN

2.1 ORGANIZATION

The field team will consist of personnel from USA and Parsons and qualified subcontractors who will perform the tree removal and earthwork. USA will have one full time representative on-site, designated as a Site Manager (SM). This person will be responsible for site safety and health as defined in the APP for the Site Safety and Health Officer (SSHO) and is also responsible for quality control and general management of the field activities. Parsons will staff the project with a Field Engineer (FE) responsible for the environmental aspects of the soil removal and replacement. When work is being performed at the FASR at the same time as ongoing work at the OSSR, USA will provide a qualified field technician as a responsible person to support the SM and monitor the work activities at the FASR. This person is referred to as the assistant site manager (ASM). The field team will report directly to the USA Project Manager (PM), and will communicate directly with Parsons PM for technical guidance. USA field personnel will also report to the USA Director of Safety and Quality (DSQ) and the Corporate Health and Safety Manager (CHSM). Figure 2-1 identifies this Task Order project team (PT).

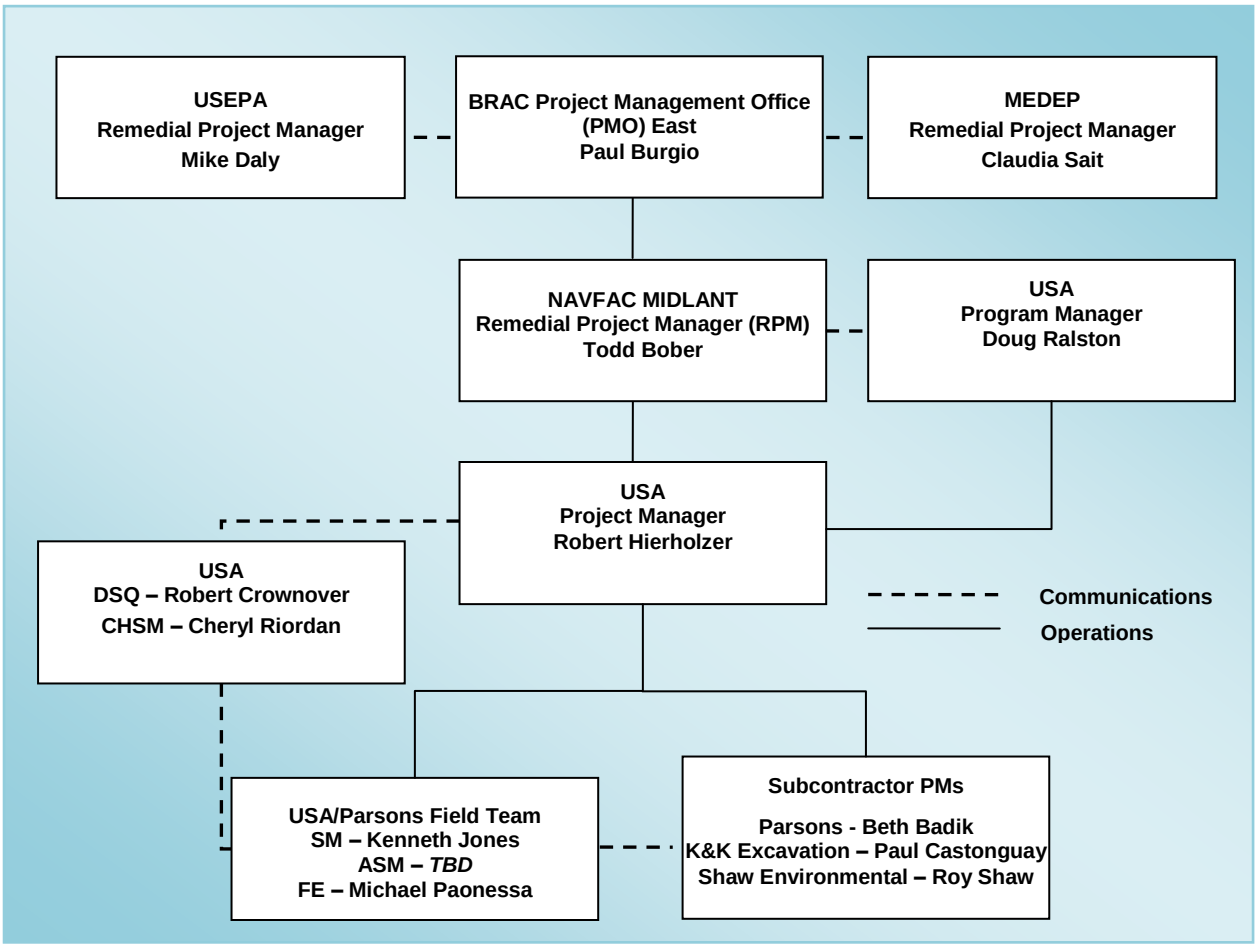


Figure 2-1: Project Team Organization

All communications between USA and the Navy will be through the USA PM. Communication directly between USA and other Government entities associated with this project will occur only when directed or authorized by the Navy. Roles and responsibilities are further defined in Section 4.1.

2.2 FIELD PERSONNEL AND QUALIFICATIONS

Field personnel on this project will be competent with the training requirements found in Table 2-1 as required for their specific responsibilities. Additional site-specific training in accordance with (IAW) Occupational Safety and Health Administration (OSHA) 29 Code of Federal Regulations (CFR) 1910.120 for Hazardous Waste Operations and Emergency Response (HAZWOPER), as well as Engineer Manual 385-1-1 (U.S. Army Corps of Engineers Safety and Health Requirements Manual), will be provided to all personnel prior to their mobilization. Additionally, all field personnel will participate in a Medical Surveillance Program, with the latest exam occurring within 12 months of field operations.

Table 2-1: Personnel Training

Training Course	Personnel Attending
40-Hour HAZWOPER Training	All personnel who have not previously received this training or who do not qualify for certification through documented experience or training equivalent to that in paragraphs (e)(1) through (e)(4) of 29 CFR 1910.120.
8-Hour Refresher Course	All site personnel, except those who have completed their initial 40-Hour HAZWOPER training within the past year.
First Aid and Cardiopulmonary Resuscitation (CPR) Training	At least two site personnel will have current first aid and CPR training.

2.3 RECORDS MANAGEMENT

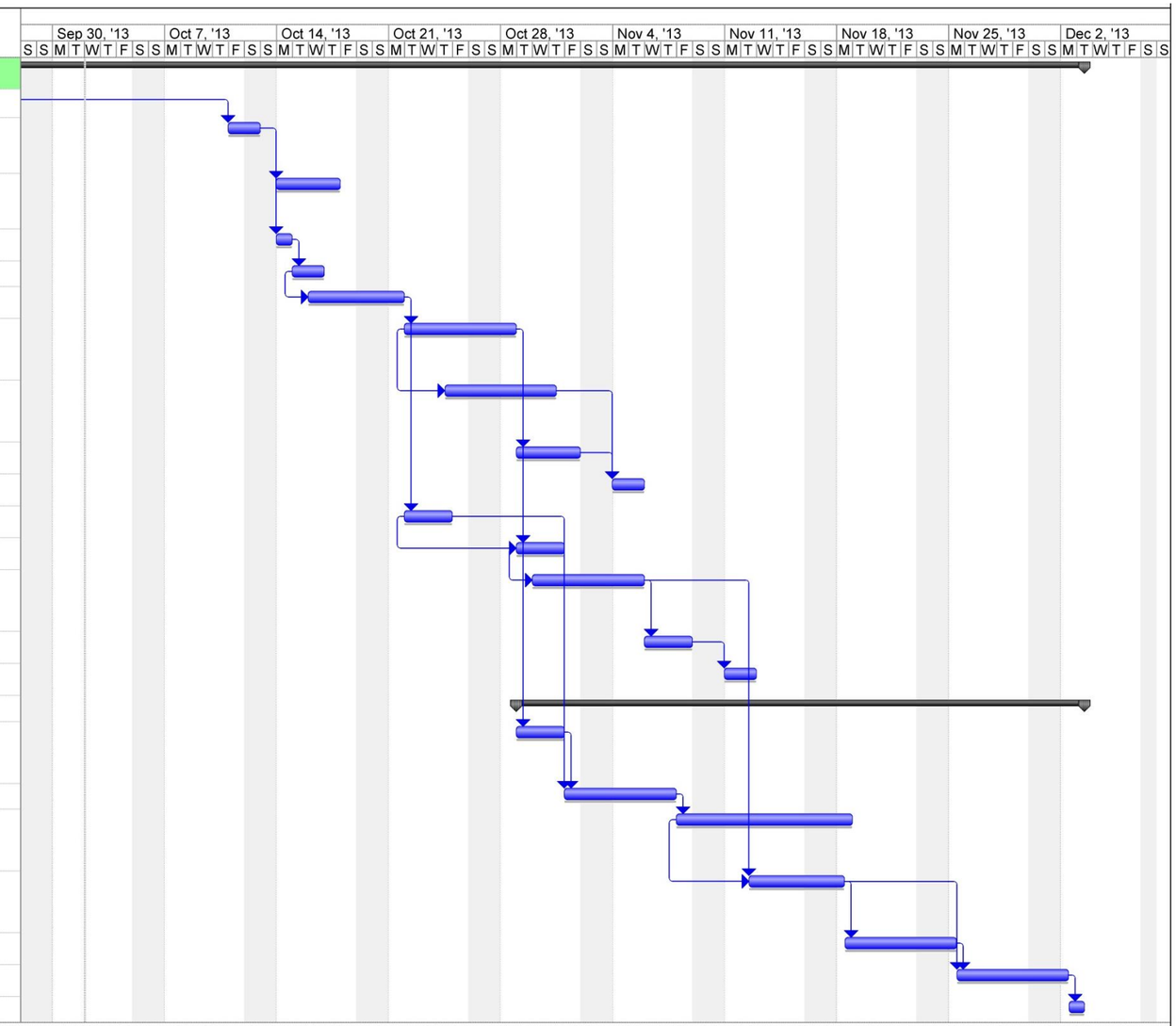
2.3.1 Project Records

All final documents and data deliverables will be uploaded to NIRIS. In addition, USA will maintain hard copies of primary project records at the USA Corporate Office in Oldsmar, Florida. Such records will include the Task Order Statement of Work (SOW) and any modifications, substantive correspondence, draft submittals, responses to comments and final submittals, and correspondence received from the Navy or other agencies. USA will retain electronic versions of working products within the USA Oldsmar network server. (Note: Access to all servers is password controlled.) USA will retain historical records and documents, previous study reports, and related items in the USA PM's office. The Geographical Information System (GIS) Manager will retain GIS information on the Oldsmar GIS Server during the course of the project. Passwords limit access to only those individuals manipulating the data. USA will provide copies of this data to the Navy on compact disk (CD), as required by the SOW.

2.4 SCHEDULE

Figure 2-2 presents the proposed schedule for execution of the soil remediation work at the skeet ranges. Preparatory work to mark the boundaries, to identify trees for removal, and to collect in-situ waste characterization samples are proposed for completion prior to mobilizing the site contractors. The project is estimated at 7 weeks after mobilizing the site subcontractors, and reflects inclusion of the FASR field work. Note that prior to backfilling and site restoration of the different areas, the team will have received all results and confirmed that no additional excavations are required to meet the objectives. The schedule provided is proposed and is subject to adjustments based on a number of factors, such as unanticipated site conditions, the need to expand excavation area boundaries, availability of personnel or equipment for specific tasks, weather, etc. During execution of the work, USA will monitor the schedule on a daily basis and provide weekly updates to the PT for review and coordination.

ID	Task Name	Duration	Start	Finish	Predecessors
1	**Skeet Range Remediation Field Work**	**51.5 days**	**Sat 9/21/13**	**Tue 12/3/13**	
2	Mark Boundaries & Mark Trees for Removal	1 day	Sat 9/21/13	Mon 9/23/13	
3	Final Work Plan Acceptance	1 day	Fri 10/11/13	Sat 10/12/13	2FS+3 days
4	Collect In-Situ Soil Samples for Disposal Characterization (OSSR & FASR)	4 days	Mon 10/14/13	Thu 10/17/13	3
5	Mobilize Site Subs OSSR	1 day	Mon 10/14/13	Mon 10/14/13	3
6	Install Silt Fence & Vehicle Decon Areas	2 days	Tue 10/15/13	Wed 10/16/13	5
7	Remove & Chip Trees (North of water)	4 days	Wed 10/16/13	Mon 10/21/13	6SS+1 day
8	Excavation and Temp Stockpiling of Contaminated Soils (North)	5 days	Tue 10/22/13	Mon 10/28/13	7
9	Collection and Analysis of Confirmatory Soil Samples (3-day lab turn-around)	5 days	Thu 10/24/13	Thu 10/31/13	8SS+2.5 days
10	Haul Contaminated Soils to disposal facility	4 days	Tue 10/29/13	Fri 11/1/13	8
11	Back-Fill with clean fill and replant as necessary.	2 days	Mon 11/4/13	Tue 11/5/13	10,9
12	Remove & Chip Trees (South of water)	3 days	Tue 10/22/13	Thu 10/24/13	7
13	Excavate and Stockpile Contaminated Soils (South)	3 days	Tue 10/29/13	Thu 10/31/13	8,12SS+1 day
14	Collection and Analysis of Confirmation Soil Samples (3-day lab turn-around)	5 days	Wed 10/30/13	Tue 11/5/13	13SS+1 day
15	Haul Contaminated Soils to disposal facility	3 days	Wed 11/6/13	Fri 11/8/13	14
16	OSSR Final Back-Fill & Site Restoration.	2 days	Mon 11/11/13	Tue 11/12/13	15
17	**FASR**	**25.5 days**	**Tue 10/29/13**	**Tue 12/3/13**	
18	Mobilize and Establish Environmental Controls and Measures to Protect Property	3 days	Tue 10/29/13	Thu 10/31/13	8
19	Cut Trees at FASR	5 days	Fri 11/1/13	Thu 11/7/13	12,18
20	Excavation and Temp Stockpiling of Contaminated Soils (FASR)	7 days	Fri 11/8/13	Mon 11/18/13	19
21	Collection and Analysis of Confirmatory Soil Samples (3-day lab turn-around)	4 days	Tue 11/12/13	Mon 11/18/13	20SS+2.5 days,14
22	Haul Contaminated Soils to disposal facility	5 days	Mon 11/18/13	Mon 11/25/13	21
23	Back-Fill with clean fill and replant as necessary.	5 days	Mon 11/25/13	Mon 12/2/13	21,22
24	Demobilize	1 day	Mon 12/2/13	Tue 12/3/13	23



USA Environmental, Inc.
Project: WE01 - OSSR & FASR Field Schedule
Date: Wed 10/2/13

Task		Summary		Rolled Up Progress		Project Summary	
Progress		Rolled Up Task		Split		Group By Summary	
Milestone		Rolled Up Milestone		External Tasks		Deadline	

Page 1

Figure 2-2: Project Schedule

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CHAPTER 3. FIELD ACTIVITIES

3.1 SITE PREPARATION

Figure 4, OSSR Soil Remediation Construction Site Map and Figure 6, FASR Site Map, located in Appendix A, support the following discussions.

3.1.1 Site Accessibility and Traffic Control

The former NASB base and both the OSSR and FASR project sites will be accessed from Admiral Fitch Avenue at its intersection with Maine State Route 24 (Bath Road). All of the roads are accessible to the general public, now that the NAS is no longer an active facility. In the area of the OSSR traffic on these roads is minimal, and the housing project north of the OSSR is unoccupied. The occupied residential area is east of the project area, and people do not typically travel west on Neptune Drive in the area of the project site. Fitch Avenue traffic adjacent to the FASR is more frequent, because this is the main entrance to the former NASB. However, traffic is still expected to be "light." The work zone areas, temporary haul roads, and stockpiling areas will be clearly marked through the use of signs and orange security ("snow") fencing. This will be coordinated with the Navy Caretakers' Office. While these devices will be strategically located to deter public (pedestrian) access, they do not provide the level of security that a chain link fence enclosure provides. Entry/exit ways through the fencing will be placed as required to support needed traffic flow.

Access and egress routes to and from the work sites will be identified and posted to direct and enhance traffic flow, and to minimize the impact that construction equipment movement has on other activities that may be underway at the former NASB.

3.1.2 Site Security

Site security will be enforced by the SM who, as much as practical, will ensure that only authorized personnel are allowed in the work area. This person will also ensure that entry personnel have the required level of personal protective equipment (PPE), are trained under the requirements of Title 29 Code of Federal Regulations (CFR) 1910.120, and are on a current medical monitoring program.

All visitors to the work site are required to report to the SM as soon as they arrive on-site. The presence of visitors on-site will be recorded in the field logbook, including the visitor's name, company, date, time, and activities performed while on-site.

3.1.3 Mobilization

Prior to mobilizing the site contractors, the USA/Parsons team will:

- Conduct a site visit in order to lay out the areas requiring soil removal and to identify trees for removal.
- Contact "Dig Safe" regarding the work areas.
- Schedule a meeting with PT members to review and, if necessary, adjust the work zone boundaries on the down-slopes to the pond and to identify if any particular trees are to remain within the proposed tree removal footprint. The work plan may be provided to others, such as the Midcoast Regional Redevelopment Authority (MRRA), for their information.
- Document existing conditions (damage) to areas that will be affected by the proposed work.
- Review the proposed locations for equipment decontamination (decon) pads, soil pile staging, erosion control measures and other temporary features. Recommended locations for equipment decontamination pads will be based on the equipment access routes to the clearance areas and the goal of preventing the spread of uncontained lead contaminated soils within the project site and leaving the project site.

- Based on the proposed schedule, the Navy will then begin collecting in-situ soil waste characterization samples for all of the excavation areas at the OSSR. Samples will be collected in accordance with requirements agreed to by the licensed disposal facility. In-Situ sampling at the FASR will be coordinated and performed in advance of the soil removal activity. In-situ sampling will be conducted in accordance with Section 3.4.1 of this WP.

Mobilization of the site subcontractors may follow or occur prior to completion of the waste characterization soil sampling. The subcontractors will mobilize all necessary personnel and equipment as specified in their contracts. Mobilization and site work for the OSSR will be conducted prior to beginning work at the FASR. Based on the proposed schedule, any work that may be performed at the FASR in the fall of 2013 is expected to lag behind the work at OSSR. Mobilization site set-up activities will be phased along with the rest of the work in order to move operations from one clearance area location to another. The two key contractors will mobilize and, after completion of all initial site-specific safety training, will conduct the following:

- K&K Excavating – K&K is the primary site subcontractor who will be conducting the soil removal and disposal. Mobilization includes installing silt fencing or erosion control mix (ECM) berms and constructing the equipment decontamination pads and other environmental control measures in the approved locations and in accordance with the details provided on Figure 8, Appendix A.
- Shaw Land Clearing – Shaw will conduct the tree removal work. As directed by the SM, Shaw will begin tree removal within the remedial boundaries, locations necessary to provide equipment access to the remedial areas, and where additional support area is needed (e.g., equipment decontamination areas and staging areas).

The two listed subcontractors are both qualified for tree removal and other site work and their scopes may be adjusted by USA as necessary to benefit the project.

3.1.4 Identification of Obstructions and Utilities

A utility clearance and/or dig permit will be requested from the Navy prior to excavation activities. Dig-Safe will be notified to mark utilities within the work area. The subcontractor will also work with USA and the Navy to locate and mark utilities and other obstructions in the immediate areas of the excavation site and the supporting work/staging areas. Staging areas will be adjusted to avoid conflict with above-ground or shallow buried utilities. No digging or trenching is proposed outside of the areas requiring soil removal and replacement.

3.1.5 Working and Staging Areas

3.1.5.1 OSSR

The northern and southern portions of the site are separated by the water impoundment. This provides logical division of the work into two separate areas, north and south. The north support area will be established at the paved parking lot on Neptune Drive, southeast of the intersection of Neptune Drive and Pegasus Street (Staging Area Alpha). The south support area, Staging Area Bravo, is proposed to be located in the grassy field near the center of the site. Staging Area Bravo is accessible through the parking lot at the old NASB Police Station on Orion Road. A dirt road behind the building leads to the field. An alternate location may be coordinated with the Navy to support the work for clearance Areas 5 and 6 which will likely be accessed from the dirt road east of Area 6. The work support zones will be arranged to facilitate efficient equipment movement to and from the site of the excavation work within the area, which will enhance safety, security and minimize the likelihood that known site contaminants will be introduced to nearby areas surrounding the former skeet range.

Temporary decon areas will be established in locations determined during the mobilization phase. It is anticipated that one decon area may be constructed for each of the three main work areas: OSSR north of the water, OSSR south of the water, and at the FASR. Additional decon pads adjacent to certain clearance areas may be required. Alternatively, instead of constructing a decon pad next to an excavation area, equipment may be loaded and trailered from one clearance area to a common decon

area. After decon, the equipment can be trailered or travel under its own power to the next clearance area. Trailers would be backed to the edge of an excavation area for unloading so that the trailer wheels do not enter the contaminated soil area. Decontamination consists of mechanical removal of soil from wheels, tracks, and digging surfaces using a combination of dry brushing and/or wet methods. Soap and water will be employed if it is determined that dry brushing or washing is not effective. The decon pads are constructed to capture the water and provide a low point to pump from, as shown in Figure 8, Appendix A. Decon water will be pumped to drums and processed as investigation derived waste (IDW).

The proposed plan is to either direct-load excavated soil or to stockpile soils awaiting disposal disposition within the excavation areas. If necessary, temporary material storage pads will be established adjacent to the excavation areas.

3.1.5.2 FASR

Work and staging areas are to be coordinated to minimize impact to the property south of the site and to the mature tree-line along Fitch Avenue.

3.1.6 Control of Run-On and Run-Off Waters

For the OSSR, the subcontractor will provide silt fencing or berms along the embankments of the pond and creek area to prevent sediment transport into these water bodies. The SM may identify ditches running from down-gradient towards the water and direct the contractor to install check dams or other erosion control measures. All erosion control measures will be inspected periodically and repaired as necessary. Daily inspection and repairs will be noted in daily reports. Water management and control measures will be constructed throughout the project duration and will be adjusted as field conditions warrant.

More extensive run-on and run-off control is anticipated for the FASR. A storm water discharge pipe, which continuously discharges water, is located in the southwest portion of the soil removal area. This water will be diverted by pumping it across the pedestrian path into the parkway utilizing a small trash pump. Temporary turbidity control measures will be installed at the pump discharge. The temporary pumping will be limited to the duration of work within that southernmost portion of the FASR where there is standing water as a result of the storm-water pipe outflow.

3.1.7 Establishment of Erosion and Sedimentation Controls

Temporary erosion and sedimentation controls, such as ECM berms, will be installed as required during operations to prevent erosion and washing of contaminated and uncontaminated soil from the work area into the impoundment ponds. Figure 8, Appendix A, provides standard details for typical erosion control measures. ECM berms will be installed on the down-gradient sides of areas to be disturbed within DU2 and that are adjacent to the water impoundment, prior to initiating excavation of contaminated soils. The intent is to minimize contaminated sediment transport and introduction of turbidity in the water impoundment. In addition, storm water from up-gradient locations will be routed away from exposed materials, and contact of exposed material with storm water will be minimized to the extent practical.

Erosion and sedimentation controls will be maintained throughout the project and periodically inspected. If there is a prolonged or heavy rain event the erosion control measures will be inspected and repaired immediately, if necessary. If there is a significant erosion/sedimentation event it must be reported to MEDEP. ECM berms do not require removal.

Removal of other temporary control measures will be coordinated with permanent erosion control and re-vegetation required for site restoration (see Section 3.7), following remediation so as to return drainage patterns to their general conditions prior to remediation. The soil removal and replacement will follow the natural contours. Therefore, the final grade should result in restoration of the pre-excavation slopes and drainage patterns.

3.1.8 Protection of Wetlands

No wetlands are mapped within the former OSSR (USFWS, 2013). There is a wetland area north of the excavation area at the FASR. The site plan will be updated to include the estimated boundary for this wetland and show the placement of silt-fencing for wetland protection from site generated sedimentation.

3.1.9 Dust and Emissions Control

Project activities are not expected to generate significant dust emissions. Excavations are to be kept damp enough to prevent airborne particulates. A water truck or trailer will be available to maintain the necessary wet condition. Stockpiles within the staging areas will be covered if they are not removed within the same day they are placed.

Other emissions sources include automobiles used to travel to the sites, excavators, and dump trucks. All vehicles and equipment will be in good working order and will meet applicable vehicle emissions requirements. Vehicles will not be left idling for extended periods.

3.1.10 Vegetation Management

The vegetation removal subcontractor will remove trees and cut grasses and understory from the excavation area boundaries and staging areas to allow the excavation equipment to traverse or operate without interference. Additional tree removal will be conducted as necessary for access to the work areas and to provide space to manage soil piles adjacent to the excavation areas, particularly next to areas that are too small to stockpile within the clearance footprint, if stockpiling is necessary. The SM and FE will identify and mark the areas requiring vegetation clearance. Stakes, flagging ribbon, marking tape, and/or marking paint are to be utilized as deemed appropriate to mark area boundaries and identify any trees within the boundaries that are to remain. There are no specific size restrictions on tree removal, but generally larger trees, particularly large hard-wood trees, may be selected to remain.

Trees within the excavation areas will be cut close to grade. Generally small trees and branches from larger trees will be chipped on-site. Site contractors have the option to load and haul larger trees for timber. Where trees are felled within the excavation areas, the trees are to be lifted or hoisted out of the excavation area to prevent disturbance to the soil layer (i.e., do not drag them out). As appropriate for the specific area, chipped material will be either disposed of with the excavated soil, broadcast outside the area boundary, or stockpiled for reuse as a mulch layer during site restoration. The intent is to leave the stumps in place to prevent creation of holes and mixing of the upper soil layers. If stumps of cut trees are removed, the stumps are to be disposed of with the rest of the material from the site. Stumps will not be included with any soil classified as hazardous waste. For other classifications, and if required by the disposal facility, stumps will be segregated from the soil. Where necessary, grass and brush will be cut with a brush hog or similar type of equipment.

3.2 IMPACTED-SOIL REMOVAL

At the OSSR, the principal objective of the remedial action is the excavation and removal of soil that is impacted with lead such that the 95% UCL of remaining soil at each DU achieves the site cleanup goal. Areas of higher lead concentrations were delineated to be excavated using surface soil (0-3”) sample results from previous site investigations (Tetra Tech 2009, 2011 and USA, 2013). The proposed excavation areas are shown in Appendix A, Figures 3A, 3B and 3C.

At the FASR the proposed soil removal action goal consists of removing shallow lead-contaminated soil as required to attain a site-wide 95th UCL value between 130 mg/kg and 155 mg/kg. The final proposed excavation area will be provided under separate cover prior to commencement.

3.2.1 Staking and Grade Control

Before excavation commences, USA will stake the proposed excavation perimeters. The earthwork contractor will install grade staking at a frequency necessary for positive control of the depth of excavation to within 1 inch of the required depth of soil removal. The leaf layer will be brushed aside at grade stake locations to expose the surface of the soil layer requiring removal. USA will monitor

excavation work to confirm the appropriate amount of soil is being removed. As described in the following sections, this will be completed by conducting periodic checks of the depth of cut, stockpile measurements, and comparing estimated quantities with the tonnages reported in the hauling and disposal manifests. Over excavation will be necessary in some locations where the terrain is too uneven, resulting in equipment/operator limitations to accurately remove the top 3 in. of soil.

3.2.2 Excavation of Soil and Waste Material

Prior to beginning and during start-up of the excavation work, the following inspections will be completed:

- Examine the work area to ensure that all preliminary work, such as brush/tree cutting, is accomplished.
- Physically examine required materials, equipment, and storage areas to ensure conformance with contract documents.
- Observe and verify that the construction methods and quality of workmanship necessary to meet the requirements set forth in the work plan have been communicated.
- Verify that safety procedures are strictly enforced and are in full compliance with the SHSP.

The results of all initial inspections will be documented and incorporated into the daily Quality Control (QC) report.

USA estimates minimum of 550 cy of soil is to be removed from the OSSR, based on removal of the top 3 inches of the mineral soil layer from the proposed areas shown on Figures 3A – 3C. The estimated area and volume of soil removal for the FASR will be provided to MEDEP and USEPA for their review prior to mobilization to the FASR.

Excavation equipment proposed for this work may include a tracked excavator with clean-up bucket, mini-excavator, tracked skid-steer with front bucket, and hand shovels. Most of the excavation will be done with the larger excavator. Equipment selection will be made by the site contractor to obtain the best results of maintaining control of the cuts and efficient operation.

Soils will be excavated to the staked limits, to a depth of 3 inches below the mineral soil surface. It is understood that more than 3 inches of soil will be removed in some areas due to uneven terrain and equipment limitations.

> Note: Across much of the site, the vegetative layer (e.g., pine needles, leaves, roots) is approximately 1 to 4 inches thick. It may be preferable to scrape away, or otherwise minimize, the amount of this material to be excavated and disposed of with the impacted soil. If practical, the contractor will try to minimize the excavation of the vegetative layer. Any amount of the vegetative layer not removed will increase the volume of material to be hauled off site for disposal. If the material can be readily removed, it is to be broad-cast or staged outside of the clearance area boundary and out of the way of equipment access around the clearance areas. If practical, it may be piled for access to spread back onto the excavation area as a final restoration measure.

The limits of excavation will be confirmed by reviewing data from confirmatory soil sampling, discussed below in Section 3.3. The vertical limits of excavation will be confirmed by the SM, by frequent monitoring of the earthwork contractor's progress by the USA/Parsons field team. String measurements between grade stakes, and verification of soil quantities based on trucking and disposal manifests, will be used to confirm the quantity of soil removed. It is anticipated that the edges of the excavation will vary from the plan. To obtain an 'as-built' record of the limits of the excavations, the areas will be staked and surveyed using a handheld Global Positioning System (GPS) unit (Trimble ProXRT or similar).

Excavated material may be stockpiled within the limits of the excavation areas, where possible. In the smaller areas this approach may not be feasible. In this case the soil can be staged either adjacent to the excavation or at Staging Area Alpha or Bravo (Appendix A, Figure 4). Soil staged outside of the excavation footprints will be placed separately on 6-mil polyethylene sheeting, as shown in Appendix A, Figure 8. The staging area will be surrounded by a pushed up 12-in. earthen berm, or equivalent. Each

individual pile will be covered with 6-mil polyethylene sheeting, to prevent erosion by wind or rain. A pump will be used in the stockpile area as necessary to remove ponded water.

The site contractor has the option to direct load-excavated soils into over-the-road containers or trucks based on results of the in-situ waste characterization sampling conducted during the initial mobilization phase of the project. If an alternative to in-situ sampling for waste characterization becomes necessary for a portion or all of the remediation areas, each stockpile will be sampled for waste characterization then hauled off-site for disposal as detailed below in the Waste Management Plan, Section 3.4.

3.3 CONFIRMATORY SAMPLING OF EXCAVATION AREA

Shallow surface soil within the floor and perimeter of the excavation areas will be sampled for lead. To determine that the limits of excavation meet the remedial action objective prior to backfilling, discrete soil samples (0 to 3 in. bgs) will be collected and submitted to the laboratory. These samples are referred to as confirmatory samples. For excavations less than 12 in., one soil sample every 50 linear feet (lft) along the excavation perimeter and one soil sample per every 2,500 ft^2 of excavation bottom will be collected. Excavations are not expected to be greater than 1 ft in depth. In the unanticipated event that the excavation extends beyond 12 in. below adjacent ground surface, a sidewall sample may be collected, as appropriate, at the same frequency as perimeter samples. If the excavation reaches 12 in. or deeper, one soil sample per every 400 ft^2 of excavation floor will be collected. When available, data from a pre-design sample may be used as a perimeter sample. Each confirmatory sample will be collected as a grab sample from a unique location. The number of confirmatory samples will be determined based on the size (perimeter length and surface area) of the excavations. For the OSSR, proposed confirmatory sample locations based on the proposed excavation areas and the criteria described above are shown in Appendix A, Figures 5A, 5B, and 5C. For the FASR, Appendix A, Figure 7 will be provided to MEDEP and USEPA for their review prior to mobilization at the FASR. Table 3-1 provides the dimensional data relevant to estimating the number of confirmatory samples for the OSSR excavation areas. An additional table will be provided for the FASR with the forthcoming information.

Table 3-1: OSSR Excavation Areas

	Area		Perimeter	Sampling				
Excavation Area	**sq. ft.**	**acres**	**linear ft.**	**Floor (1/2500sf) (Pb)**	**Perim (1/50LF)**	**Pre-Existing Samples (Pb)**	**Additional Perimeter Samples Required (Pb)**	***Subset Floor & Perim Incl. PAH Analysis***
1	23,674	0.54	618	10	13	2	11	*7*
2	13260	0.30	475	6	11	5	6	*5*
3	1502	0.03	158	1	0	4	0	*1*
4	1812	0.04	171	1	4	4	0	*1*
5	1897	0.04	175	1	4	4	0	*1*
6	17,711	0.41	788	7	16	4	12	*6*
Fitch	32,670	0.75	788	14	16	0	16	-
Totals	92,526	2.1	3,173	40	64	23	45	*21*

Note: Samples will be collected 0 to 3 in. below current ground surface.

In addition to the samples listed in Table 3-1, a limited number of samples will be collected in the areas where the excavation area approaches the water impoundment but stops at the crest or partially down the slope. The samples will be collected midway between the water and the edge of the excavation and will

provide additional information about the soil left in place that is in DU 4. Proposed locations for these samples are shown in Figure 5A, Appendix A.

3.3.1 Confirmatory Sampling Methodology

Confirmatory and QC samples will be collected in accordance with Standard Operating Procedures (SOPs) 1, 2 and 3, Appendix B, and the 2011 Final Tier II Sampling and Analysis Plan for Remedial Investigation of Soils at Munitions Response Program Site Skeet Range NAS Brunswick, ME, developed by Tetra Tech (Tetra Tech, 2011), herein referred to as the SAP (reference sheet included as Appendix E). Updated worksheets will be provided to the lab, as needed, to address analytical requirements specified in this Work Plan that were not covered in the 2011 SAP. QC samples are required to assess the quality of the sampling effort and analytical data. No Quality Assurance (QA) samples will be conducted for this work. In general, disposable polyethylene sampling scoops will be used while wearing nitrile gloves. Prior to collecting the sample, the soil will be loosened around the sample location and hand sifted to look for shotgun pellets and clay pigeon fragments. If found, the number of items will be documented and the particles removed so as not to influence the soil sample analysis. The collected soil will then be homogenized by mixing in a disposable bag. Any gravel, rocks, or other large debris items will be removed during the mixing procedure. The analytical samples will be collected and placed directly into the appropriate sample containers, labeled, and placed in an ice-chest. The samples will be kept on ice to keep the temperature at a maximum of 4 degrees Celsius for travel to the laboratory. Reusable sampling equipment (if used) will be decontaminated before moving to the next sampling location.

QC for analytical samples will be provided through the use of the following QC samples:

- Field Duplicates (1 in 10)
- Matrix Spike (MS) / Matrix Spike Duplicate (MSD) (1 in 20)
- Equipment Blanks (EB) (if equipment is reused)
- Temperature Blanks (1 per cooler).

GPS locations of the samples will be collected and the sampler will sketch a diagram of sample location within the grid. A log will be kept of the confirmatory and QC samples collected.

Sample identification (numbering) is defined in SOP 02.

3.3.2 Confirmatory Sample Analysis

Confirmatory soil samples will be transported via the lab's courier service to Katahdin Analytical Services in Scarborough, ME, for analysis. Sampling methodology and analysis will be conducted in conformance with the 2011 SAP.

Samples will be submitted to the laboratory for 3 day turnaround time (TAT) to allow time to plan and expand the excavation areas, if necessary.

Samples will be analyzed for metals (lead only) by EPA Method SW-846 6010C.

3.3.3 Evaluation of Confirmatory Sample Results

The confirmatory data will be evaluated to demonstrate that the remedial action has achieved the goal of resulting in a DU 95% UCL between 130 mg/kg and 155 mg/kg. To calculate this post-excavation 95% UCL, the following steps will be followed for each DU at the OSSR and for the FASR site.

- Start with the baseline data set and remove samples associated with soil excavated.
- Add the confirmatory samples (collected 0 to 3 in. bgs) into the data set.
- Run the updated dataset through the ProUCL program.
- Review the dataset distribution type and confirm that the recommended UCL value is for the appropriate data distribution (e. g., lognormal).
- ProUCL outputs a recommended 95% UCL.

- If this value meets the cleanup objective of a value between 130 mg/kg and 155 mg/kg, then the confirmatory data supports that the remedial action is complete.

If this value exceeds the cleanup objective, the Navy may use the existing confirmatory data to delineate areas that require further excavation, excavation of additional soil, collection of additional confirmatory samples, and then a rerun of the ProUCL program until the Navy achieves the cleanup goal.

3.4 SOIL DISPOSAL & WASTE MANAGEMENT PLAN

The following regulations are applicable to disposal of soil and other waste generated by this work and all work will be completed in accordance with these regulations.

- Maine Solid Waste Disposal Regulations (MEDEP Regulations Chapter 400-409) – All solid waste will be removed from the site to meet closure requirements and will be disposed of in accordance with these regulations.
- Maine Hazardous Waste Management Rules [06-096 Code of Maine Regulations (CMR) 800-802, 850-854, 857] – Any waste generated during remediation must be tested, and if hazardous, it must be handled, stored, and disposed of according to these standards.
- RCRA Hazardous Waste Regulations (40 CFR 260 to 262, 264) – Soil must be handled and disposed of appropriately, according to standards.
- RCRA Land Disposal Restrictions (LDRs) for Contaminated Soil (40 CFR Part 268) – Prohibit disposal of untreated hazardous wastes and provide standards for contaminated soil that is considered hazardous waste.
- Solid Waste Rules, Chapter 411 Non Hazardous Waste Transporter Licenses, RCRA Hazardous Waste Regulations (40 CFR 260 to 262, 264) and United States Department of Transportation Rules for Hazardous Materials Transport (49 CFR 107, 171 to 178) – Hazardous materials that are transported off site to a licensed disposal facility must be packaged, labeled, manifested, and transported in compliance with these regulations.

Waste management practices for the remedial action are focused on minimizing the amount of hazardous waste generated on-site. This is primarily accomplished by application of judgment to keep potentially hazardous wastes segregated from wastes not anticipated to be Resource Conservation and Recovery Act (RCRA) hazardous.

Wastes anticipated to be generated during site activities include excavated soil, decontamination water, PPE, and general site trash.

3.4.1 In-Situ Sampling for Waste Characterization Prior to Excavation

As part of the initial preparatory activities, waste disposal characterization samples will be collected in-situ as an efficient alternative to sampling stockpiled soil. The disposal facility has provided a sampling frequency requirement of one sample per 200 cy. At the OSSR at least one composite sample is to be collected from each of the smaller hot spots south of the water, and at least two composite samples would be collected from each of the two larger areas located north of the water impoundment. (*Number of composite samples to be collected at the FASR to be determined*). This would satisfy the typical disposal facilities requirement of one sample per 200 cy. Each composite would be collected from 0 to 3 in. below the vegetative cover, and would be a composite of six discrete samples. Samples will be collected in accordance with SOP 01. See Section 3.4.3 below for waste characterization analytical requirements.

With disposal facility acceptance of the in-situ disposal characterization sampling results, the soil may be direct loaded into the truck or haul container, following excavation, without the need for stockpiling. If direct loading is not cost effective, the soils will be stockpiled until a sufficient quantity is ready to load and haul out.

3.4.2 Alternative Soil Stockpile Waste Characterization Sampling

If in-situ sampling is not conducted for all or a portion of the clearance areas, the excavated soil will be placed in stockpiles, and the stockpiles will be sampled to evaluate concentrations of lead present for disposal purposes. Disposal samples will be submitted for analyses with a 5-day TAT. The data will be used to establish the hazard level of the waste, which will determine the disposal location. The data is planned to meet the acceptance requirements at each facility. The disposal characterization will consist of collecting/analyzing samples of stockpiled material following excavation and segregation of debris (material greater than 4 in. in diameter) from soil, in accordance with the SAP and MEDEP requirements. The characterization sampling/analysis will confirm that stockpiled wastes are properly segregated prior to loading for transport and off-site disposal. The location of each stockpile will be diagrammed and a GPS coordinate recorded, to track samples collected from each stockpile.

3.4.2.1 Stockpile Sample Collection

Samples of the excavated soil will be collected from the stockpiles and submitted for waste characterization. Composite soil samples will be collected for waste characterization at a rate of 1 sample per every 200 cy, with the number of grabs per composite sample specified in SOP-1 (Appendix B). Care will be taken to sample the top two-thirds of the stockpile and randomly select from various elevations. The bottom 1/3 will not be sampled to avoid disproportionate amounts of coarser material that may have fallen to the base of the stockpile. These sampling requirements conform to both the hazardous waste facility and the special waste facilities proposed for this project).

See SOP 02 for sample identification requirements or numbering scheme.

3.4.3 Waste Characterization Sample Analysis

The samples will be analyzed by EPA Method SW-846 (TCLP Metals and Totals Metals), and RCRA hazardous characteristics (ignitability, reactivity, corrosivity, and toxicity) or as required by the disposal facility. Toxicity Characteristic Leaching Procedure (TCLP) sampling, and RCRA hazardous characteristics is analyzed for the hazardous waste facility. Totals analysis is conducted for the special waste facility. The special waste facility will not accept waste with concentrations of lead exceeding 1,000 mg/kg. If TCLP data indicates the soil is RCRA hazardous waste, the soil will be identified as such so that it will be hauled and disposed of at the proper facility. Department of Transportation (DOT) regulations for hazardous transportation will be followed.

3.4.4 Transportation and Disposal of Excavated Soil

Minimal soil is anticipated to be deemed RCRA hazardous for lead. Transportation of soil that is hazardous will be planned based on the total quantity in order to find the most cost-effective means to transport the soil a long distance to a Subtitle C hazardous landfill. The Waste Management facility in Model City, NY has been identified as the destination for soil with RCRA hazardous levels of lead, or if the lead concentration exceeds levels acceptable to more local disposal facilities.

Non-hazardous lead impacted soil is to be disposed of at a state licensed landfill. The proposed landfill is the Crossroads Landfill in Norridgewock, ME. It is operated by Waste Management Disposal Services of Maine and is licensed for non-hazardous lead contaminated soil disposal.

All transporters will be licensed and permitted by the applicable federal and state authority according to the hazard level of the shipment.

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Coordination of the off-site disposal activities will be done by the SM. Each load will be tracked using a worksheet provided to the drivers as they arrive at the site. The worksheet will be used to record the following information:

- Transportation Company
- Trailer No.
- Site name/Excavation No.
- Tarped – Yes
- BOL/Manifest No.
- Arrival time/date
- Driver's name
- Time loaded
- Release time
- Truck No.
- Material to be loaded
- Decon – Yes
- Destination

In addition to the worksheet, hazardous waste will be traced with a Uniform Hazardous Waste Manifest, and non-hazardous waste will be tracked with a Bill of Lading (BOL). Prior to leaving the site, a copy of the worksheet, the Hazardous Waste Manifest, or the BOL will be provided to the SM or FE.

3.4.4.1 Transportation Containers

Based on the disposal characterization samples collected, the disposal facility will pre-approve acceptance of the soil and debris based on the review of the chemical analytical data. If results indicate that the soil is hazardous, the soil may be taken off-site to the hazardous waste facility in Model City, NY.

Excavated soil and waste materials will be transported using DOT-approved dump trucks and/or dump trailers. The container will be covered with a weatherproof tarp that will be secured after waste is placed in it. Following placement of tarp, the container will be inspected. If the container/vehicle tracked into an excavation area or contaminated stockpile area, the vehicle will pass through the applicable decontamination area to be decontaminated before leaving the project site.

3.4.4.2 Naming Containers

Each container will be uniquely identified before waste is placed into it.

<u>Dump trucks</u>

Each dump truck loaded on-site will be identified by the truck number/trailer number provided by the transportation company, followed by the date of transport. If a truck returns to the site more than once per day, it will be further identified by A, B, etc.

<u>Roll-offs</u>

Each roll-off will be identified by the number provided by the company. If the roll-off returns to the site more than once, it will be further identified by A, B, etc.

<u>Drums/other small containers</u>

Drums will be identified by

- Soil: SKT-soil-XXX
- Water: SKT-H20-XXX
- PPE: SKT-PPE-XXX

where SKT is the site name and XXX is the drum number.

3.4.4.3 Tracking of Waste Containers/Shipments

All shipments to off-site facilities will be tracked by the FE, and data will be entered in an electronic spreadsheet. The spreadsheet allows for easy cross-referencing, reporting, and quantifying.

3.4.4.4 Hazardous Waste Shipping Labels and Placarding

Once analytical data indicates a waste is hazardous, it will be labeled as hazardous waste and the container dated. The labeling will be durable, either by permanent marker or adhesive label. Hazardous waste will be segregated from non-hazardous waste.

Soil

It is anticipated that any hazardous soil shipped off-site will be shipped as bulk in a roll-off. The container will be labeled as hazardous waste while on-site awaiting shipment, and placards will be provided to the transporter to be placed on four sides of the transportation vehicle.

Decontamination Water

If analytical data indicates TCLP exceedances, the drums of decontamination water, if present, will be labeled as hazardous waste and segregated. A standard hazardous waste label will be applied which will include the EPA ID number, the generator name and address, the manifest number and the proper shipping name.

3.4.5 Decontamination Water

The following process will be followed for collection and disposal of water used for equipment and tool decontamination. Decontamination water will be collected and containerized in closed-top drums, totes, or tanks as appropriate to the volume of water collected. The containers will be labeled with a name, the date waste accumulation began, and the date the last waste is added. Samples will be collected at a rate of one per 200 gallons. Water samples may be composited from multiple drums.

Analysis may include pH, ignitability, and TCLP metals. The receiving facility will provide specific analytical requirements.

When analytical results are returned, if a drum is classified as hazardous the container will immediately be labeled as “Hazardous Waste.”

3.5 IMPORT FILL SAMPLING

All backfill soils shall be obtained from an off-site borrow source, and shall have properties similar to the native excavated soils. In addition, all backfill soils brought to the site shall be certified as clean materials, with contaminant concentrations not exceeding the Maine Remedial Action Guidelines (RAGs) for residential use soils (revised May 8, 2013). The following analytical testing is to be completed, for every 1,000 cubic yards brought on site, to ensure that the backfill soil is compliant with MEDEP criteria:

- Target Analyte List (TAL) metals analyzed by SW-846 Method 6010C except arsenic (Method 6020A) and mercury (Method 7471B);
- Target Compound List (TCL) semi volatile organic compounds analyzed by Method SW-846 8270D or 8270D Selective Ion Monitoring (SIM);
- TCL pesticides/PCBs analyzed by Method SW-846 8081B/8082A;
- Characteristic waste determination (ignitability, corrosivity, reactivity, and toxicity), EPA SW-846 1311 - shall not fail the test for characteristic waste;
- Total volatile petroleum hydrocarbon (VPH), diesel range organics, VPH by MADEP Method (May 2004); and
- Total extractable petroleum hydrocarbon (EPH), gasoline range organics, EPH by MADEP Method (May 2004).

Analytical lab results are to be provided to the Navy within 5 days of collection. Copies of all sample results are to be maintained on site until the completion of the project. .

3.6 SAMPLE NUMBERING

Every sampling label will be unique, and will indicate which type of sample it is representing. The sample numbering scheme is detailed in SOP 02.

3.7 SITE RESTORATION

The site will be graded to promote positive drainage, similar to pre-excavation drainage. After re-grading, the excavation areas will be seeded to promote re-vegetation. Vegetation serves to reduce erosion, enhance evapotranspiration, and improve runoff water quality. A seed mixture of grasses and plants native to the area will be selected.

Backfill will be provided if necessary to level out areas where grading alone will not be sufficient. Topsoil will be proposed to be added to areas where there is insufficient organic matter to support healthy vegetative growth. Only clean soil that meets the cleanup goals will be brought on-site. Soil samples will be collected, to document that the off-site backfill is acceptable, as detailed in Subsection 3.5.

Ditch checks will be replaced or repaired, as required. Other drainage control features, such as berms, disturbed by site operations will be restored to functioning condition. Where applicable, slope stabilizing geotextile (e.g. CURLEX I FIBRENET) will be installed and anchored in place, in accordance with the manufacturer's instructions. Areas requiring installation of this material will be determined in the field by the project team. This material is to be applied after seeding the areas.

Tree seedlings are to be planted, to help reestablish the forested areas. A mix of approximately 50% pine and 50% other northern hardwoods are to be planted approximately on 8 foot centers and 4 feet from the edge within the excavation. Field judgment will be used based on locations of existing trees or other site features.

Remove materials such as additional fill dirt, gravel, and lumber that may have been placed to protect concrete driveways and sidewalks. Any damage to concrete driveways or sidewalks is to be repaired. USA will subcontract concrete work for such repairs.

3.8 DEMOBILIZATION

Demobilization activities include the following:

- All equipment and materials, including the decontamination pad, and site trailers, will be demobilized;
- A final inspection and housekeeping sweep of the work areas will be completed. All trash and waste materials will be removed; and
- All field personnel will be demobilized from the site.

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CHAPTER 4. QUALITY CONTROL PLAN

The USA Quality Control (QC) process is based on commitment and involvement. It provides a framework for comprehensive performance oversight, contract compliance controls, and employee acceptance and understanding of roles and missions. The process ensures the actions, procedures, and tools support every action required to do the job, and are IAW project requirements.

The Quality Control Plan (QCP) describes the construction quality assurance (QA) and QC activities to be performed during the Remedial Action (RA) for the former OSSR and FASR at NASB. This section addresses the QA/QC procedures for site preparation, excavation, soil loading, and restoration, in addition to organization and responsibilities, equipment testing and calibration, QC inspections, and reporting procedures. The intent of the QCP is to continuously control and improve the processes stipulated in the WP and the SOW.

USA will incorporate the collected data into the AAR at the completion of the project. USA will include this data in a “lessons learned” program, to capture and share experiences learned during the prosecution of this project. The lessons learned will be incorporated into the AAR.

4.1 CONSTRUCTION PROJECT ORGANIZATION

The following paragraphs describe the organizational structure of the USA Quality Management Team during operations at the project site. Names and qualifications of site personnel will be provided prior to mobilization.

The USA PM approves the QCP, implements procedures, and has direct responsibility for day-to-day contract management of the project. The USA PM’s responsibilities related to QC include, but are not limited to:

- Implementation of all applicable USA policies and procedures
- Timely submission of all contract deliverables
- Analysis of QC failures with the QC Manager and the appropriate QC person, and implementation of corrective actions.

The USA DSQ communicates with the PM on all project-related QC matters. The DSQ, as a management representative, has the following authorities and responsibilities:

- Ensuring that the QCP has been established, maintained, and implemented
- Establishing guidelines to assist in the development of program, project, site, and task-specific QC policies and procedures
- Initiating, recommending, approving, and providing solutions to the conduct of periodic audits/inspections of the project and submitting reports to the SM with copies to the PM
- Reporting the adequacy, status, and effectiveness of ongoing projects to the Parsons Sector Manager.

The SM reports to the DSQ on quality and safety matters and is the key Safety and QC person on site. The SM has responsibility for overall site-safety and quality of work performed on site. The responsibilities include, but are not limited to:

- Providing site safety training and performing all functions identified in the APP for the Site Safety and Health Officer (SSHO).
- Developing QC procedures to implement the QCP
- Verifying implementation of corrective actions
- Initiating actions to identify and prevent the occurrence of nonconformance relating to the services and QCP

- Authorizing stop of nonconforming work
- Ensuring that QC procedures are being followed.
- Recommending, to both the PM and the DSQ, actions to be taken in the event of QC failures
- Reporting non-compliance with QC criteria to the PM and DSQ
- Supervising and coordinating all activities relating to field remediation operations on a daily basis and serving as the subcontractors' primary POC for daily and routine operations
- Authorizing suspension of project activities when a condition adverse to quality is identified and notifying the PM and senior personnel responsible for clearance activities when such action is required
- Conducting weekly and monthly QC Compliance Inspections.

The ASM reports to the SM and provides on-site presence for monitoring subcontractor activity at a second skeet range. The ASM will be at the site with the least amount of subcontractor activity to monitor and will maintain radio or phone communication with the SM. USA will make every effort to minimize simultaneous operations at OSSR and FASR.

4.2 QUALIFICATIONS AND TRAINING

Qualifications of the USA employees are provided in Section 2.2 of this WP.

USA ensures that only qualified and properly trained personnel are assigned to positions on project sites. Prior to mobilization of personnel, USA ensures that training required by USA, OSHA 29 CFR 1910.120, and the Navy has been completed for all personnel assigned to the project. In addition, prior to the start of operations, all personnel will have received the following, at a minimum:

- Familiarization with the WP and its policies and procedures
- APP orientation and PPE training
- Orientation on environmental considerations peculiar to the operations on the project site
- Instruction and training on equipment usage and safe work practices.

Visitors to the site will be provided with a site orientation and safety briefing prior to entering the work area.

Training will be conducted by the USA SM, and records of who attends the training will be maintained on site.

4.3 LOGS AND RECORDS

Activity Logs will be documented daily in a logbook and a QC form; all entries will be made in indelible ink. Logbooks will be bound and pages consecutively numbered. Logbooks and records may be supplemented by the use of preprinted forms (e.g., safety inspection forms, tailgate safety briefings, etc.). USA will send scanned copies to the Oldsmar, Florida, office weekly. These forms help to ensure uniformity of activities being conducted, inspected, and reviewed. Forms are located in Appendix C of this WP. The logbooks and records described in the following paragraphs will be maintained on site. All handwritten records and logbook entries will be scanned into an acceptable digital form and submitted as part of the digital data package.

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4.3.1 Daily Journal

The USA SM will maintain a Daily Journal. This journal will provide a summary of all operations conducted on-site, to include:

- Date and recorder of information
- Start and end time of work activities, including lunch, breaks, and down-time
- Work stoppage
- Visitors and escorts
- Personnel and work performed
- Equipment and instrument checks
- Weather conditions
- Changes to the WP, Site Health and Safety Plan (SHSP), policies, or procedures
- Injuries and /or illnesses
- Safety briefings
- Relevant events and training

4.3.2 Safety Logbook

The SM will maintain this log. It will record all safety matters associated with the specific project, such as safety briefings/meetings (including items covered and attendees), safety training, safety audits, near misses/ accidents/incidents with cause and corrective action taken, weather conditions, and any other matters relating to safety.

4.3.3 Safety Training Records

USA will maintain training safety training records.

- Date and nature of training, certificates, licenses
- Visitor training and briefings [personnel attending and instructor(s)]
- Signatures of instructor(s).

4.3.4 Quality Control Log

The SM maintains this log to record the performance and results of QC checks and audits.

4.3.5 Visitor's Log

The SM maintains this log for visitors. All visitors are identified in this log by name, company, date, time in/out, and a contact phone number. Safety briefings and training for visiting personnel are also recorded in this log.

4.3.6 Photographic Log

USA and Parsons will maintain the Photographic Log. This log will be used to record all photographs taken on the project site. These photographs will be used to document soil collection, equipment decontamination procedures, and site conditions that may be relevant to the upcoming soil removal effort. Photographs will include the following information:

- Date and time taken
- Unique identifying number(s) relating to the Photographic Logbook
- Location where photograph was taken
- Brief description of the subject matter.

4.4 INSPECTION AND TESTING REQUIREMENTS

QC inspections will be completed for the remedial action at the former OSSR to verify that site preparation, excavation and removal of contaminated soils and site restoration meets the project quality requirements. As detailed in Sections 4.4.2 through 4.4.5, the QC inspections include three phases of

inspections for work in progress: pre-construction inspections, construction inspections, and post-construction inspections. Upon substantial completion of the work (or significant portions of the work), completion inspections will be conducted. Completion inspections are also a three-step process, consisting of the QC completion inspection, the pre-final inspection, and the final acceptance inspection.

The SM has primary responsibility for conducting and documenting the QC inspections described herein. In the event that QC inspections indicate nonconformance with the project as specified in this RAWP, the PM will be notified of the nonconformance. Corrective action will be coordinated through the PM and SM, and resolution of the nonconformance will be verified by the SM, as appropriate.

4.4.1 General Requirements

The general components of inspection activities are provided below and are scheduled in the following three major phases:

1. Pre-construction
2. Construction
   a. Construction: Startup
   b. Construction: In-progress
3. Post-construction.

4.4.2 Pre-Construction Inspections

Preparatory inspections will be performed prior to initiation of specific activities or definable features of work. This phase of inspection is conducted prior to initiating actual construction and will generally consist of the following:

- Review contract with subcontractors, if appropriate, and verify conformance to project objectives
- Verify that materials and equipment from off-site sources were inspected and/or tested as required
- Verify that conformance documentation such as test results for performance data is submitted and approved prior to construction
- Verify that QA/QC inspection procedures are in place
- Discuss procedures for conducting the work and discuss quality concerns with project personnel who will perform the work
- Review potential safety and environmental hazards that may be associated with the planned activity, including the presence of buried and overhead utilities
- The results of the preparatory inspections will be documented and incorporated with the Daily QC Report.

4.4.3 Construction: Startup

Initial inspections will be performed during the startup of fieldwork. This phase of inspection will generally consist of the following:

- Examine the work area to ensure that all preliminary work is accomplished in compliance with the contract documents
- Physically examine required materials, equipment, and storage areas to ensure conformance with contract documents
- Observe and verify that the construction methods and quality of workmanship meet the requirements set forth in the scoping documents
- Perform receiving inspections, if required (as described below)

- Check dimensional requirements relevant to the specific work activity and compatibility with subsequent or adjacent work
- Verify that safety procedures are strictly enforced and in full compliance with the SHSP.

The results of all initial inspections will be documented and incorporated into the daily QC report.

4.4.4 Construction: In-progress

During construction, receiving inspections, periodic follow-up inspections, and RAWP compliance inspections will be conducted, as indicated in the following discussion. Receiving inspections will be performed when materials or equipment arrive at the project site. The inspections will be performed to verify that the materials or equipment received meet project requirements and specifications, are free of defects, were not damaged in transport, and are being properly stored at the project site. Receiving inspections will be conducted by the SM and will consist of the following:

- Verification of the quantities of the materials, supplies, or equipment received
- Visual inspection of the materials, supplies, or equipment for damages, defects, or other quality aspects
- Acceptance of the transport manifests or other delivery documents
- Coordination of material and/or equipment storage, if required, prior to construction or installation

A qualitative judgment based on visual inspection will be made by the SM regarding the material conformance with specifications. The following information regarding the received materials and/or equipment will be documented in the daily report

- Types and quantities of materials received
- Visual description of the materials and/or equipment
- Material and/or equipment storage details, including storage locations.

Follow-up inspections are conducted periodically during specific construction activities to verify that work in progress meets technical, contractual, and regulatory requirements. Follow-up inspections will be conducted no less frequently than indicated in Sections 5.2.2 and 5.2.3. Additional follow-up inspections may be performed to verify that any deficiencies noted are corrected prior to the start of subsequent features of the work. Follow-up inspections will consist of the following types of inspection activities:

- Material quality testing to verify that materials being used conform with project requirements
- Examination of the work area and QA/QC documentation to verify that all previous work was accomplished in compliance with the project requirements
- Placement testing to verify that materials are being placed and constructed in conformance with the plans and scoping documents
- Final follow-up inspections to verify that final surface grades and completed work are in compliance with the project requirements.

The results of the follow-up inspections will be documented and incorporated into the daily QC report.

Regular inspections will be conducted to verify compliance with the RAWP. These inspections will be performed by the SM or FE and include the following:

- Overseeing earthwork to confirm that the excavation and removal of contaminated soils is being performed IAW the design drawings and technical specifications
- Documenting that the subcontractors are taking appropriate measures to control and minimize dust emissions and to control erosion at the site related to the subcontractors' work activities

- Documenting that trucks and equipment are properly decontaminated, and decontamination spoils are properly managed and disposed of
- Documenting that security measures are being followed, including entry by authorized persons only, use of appropriate PPE, protection of property, and use of security measures to deter unauthorized entry to the work site during non-business hours
- Overseeing the collection and laboratory submission of all confirmatory sampling in the excavated areas
- Overseeing the re-grading of the excavation areas
- Overseeing the reseeding, slope stabilization and planting of seedlings during site restoration

For the former skeet range remedial activities, the SM will conduct periodic health and safety inspections in accordance with the project SHSP.

4.4.5 Post-Construction

Post-construction completion inspections will be conducted when the contract work, or specific definable component of the contract work, is substantially complete. Completion inspections are conducted to verify that the work is properly completed and that all specified components of the work were constructed or installed.

The Navy POC, EPA and MEDEP regulator will be notified of the inspection date so that they may participate. Upon completion of the inspection, an itemized list of work that does not conform to project requirements will be prepared.

4.4.6 Meetings

A pre-construction meeting will be held at the site prior to beginning construction activities. Navy POC, USA, appropriate subcontractors, USEPA, and MEDEP will be invited to attend the pre-construction meeting. This site specific QCP will be reviewed, with specific focus on methods for documenting and reporting inspection data and methods for distributing and storing documents and reports. The responsibility of each party will be reviewed and clearly understood, and the work area security and safety protocols will be transmitted to all participants. This meeting will occur after the procurement for the remedial action implementation has begun.

Progress meetings will be held on a weekly basis and chaired by the SM. The primary subcontractors must send an authorized representative to each meeting. Issues at this meeting may include the progress of work, future scheduling issues, and related topics.

4.5 DOCUMENTATION

4.5.1 Daily QC Inspection Reports

The SM will prepare a Daily Report and submit it to the PM, who will sign it to acknowledge non-conformances and observations, and place it in the project files or begin the corrective action request.

The Daily Report will include the following information:

- Project name, location, and date
- Names of personnel and equipment used
- Estimated area of tree removal or soil excavation
- Estimated volume of excavated material shipped off-site during the day
- Weather conditions
- Narrative description of sampling
- Description of kinds and types of material delivered

- Narrative description of work performed, problems encountered, and corrective measures taken
- Record of any data or measurements collected (e.g., GPS surveying).

4.5.2 Photographic Documentation

All phases of construction will be documented with photographs taken by QA/QC personnel. All photographs will be identified as to location, time, date, and initials of the person taking the photograph.

4.5.3 Summary Reporting

After completion of filed activities, excluding follow-up work related to site restoration, USA will prepare and submit a Project Close-Out Report. The Close-Out Report shall contain:

- A statement that the work was conducted in accordance with the Work Plan, with any exceptions noted.
- A summary of post-excavation confirmatory sample results and analytical reports for confirmatory samples.
- A summary of volumes of material shipped and disposed of.
- Copies of analytical reports from characterization of materials for offsite disposal.
- Copies of the Manifests/bills of lading, and certified weight slips as described above.
- Copies of Certificates of Treatment/Disposal as described above.

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CHAPTER 5. REFERENCES

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APPENDIX A. SITE MAPS

This appendix contains the following maps for use on this project:

- Figure 1: NAS Brunswick Site Location Map
- Figure 2: Orion Street Skeet Range Site Map
- Figure 3A: Orion Street Skeet Range Lead Soil Sample Results, Area A
- Figure 3B: Orion Street Skeet Range Lead Soil Sample Results, Area B
- Figure 3C: Orion Street Skeet Range Lead Soil Sample Results, Area C
- Figure 4: Orion Street Skeet Range Soil Remediation Construction Site Map
- Figure 5A: Orion Street Skeet Range Confirmatory Sampling Plan, Area A
- Figure 5B: Orion Street Skeet Range Confirmatory Sampling Plan, Area B
- Figure 5C: Orion Street Skeet Range Confirmatory Sampling Plan, Area C
- Figure 6: Fitch Avenue Skeet Range Site Map (Place-Holder)

  This figure is to be revised and completed in accordance with the final SOW for the FASR and will be provided with the applicable addendum/revision to this RAWP.
- Figure 7: Fitch Avenue Skeet Range Confirmatory Sample Map (Place-Holder)

  This figure is to be revised and completed in accordance with the final SOW for the FASR and will be provided with the applicable addendum/revision to this RAWP.
- Figure 8: Standard Details

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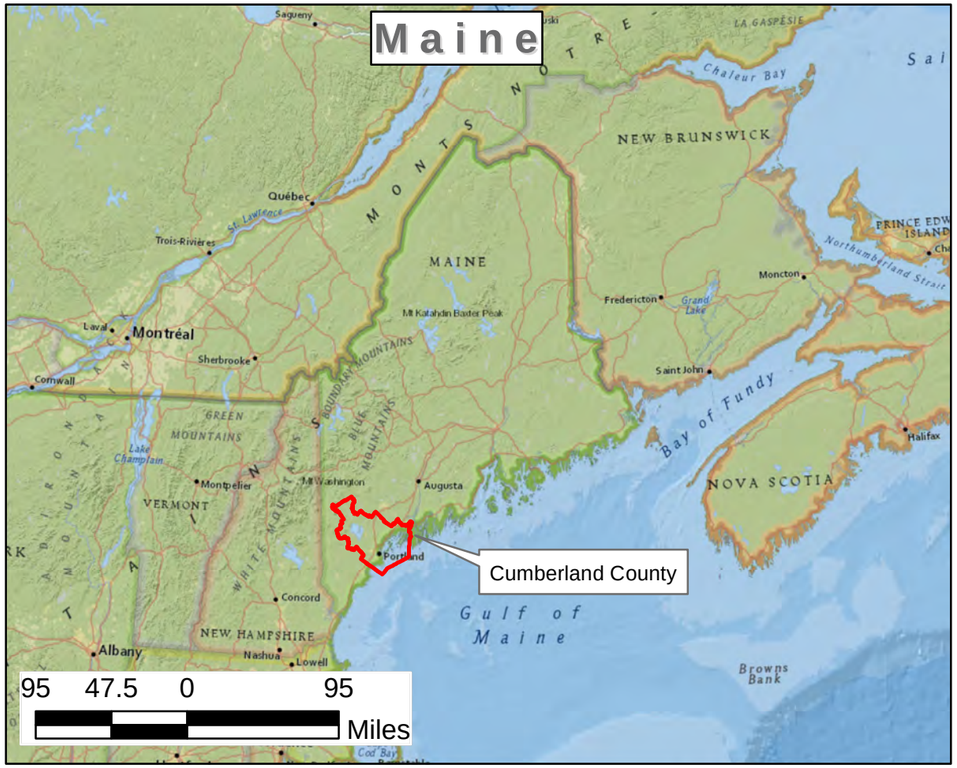

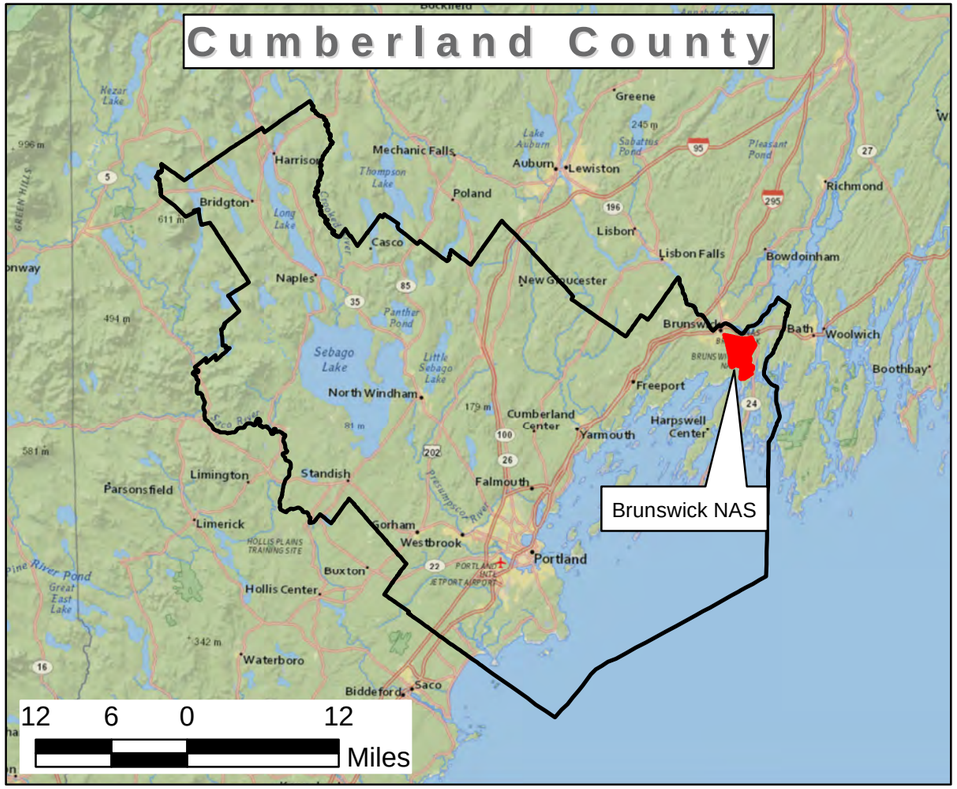

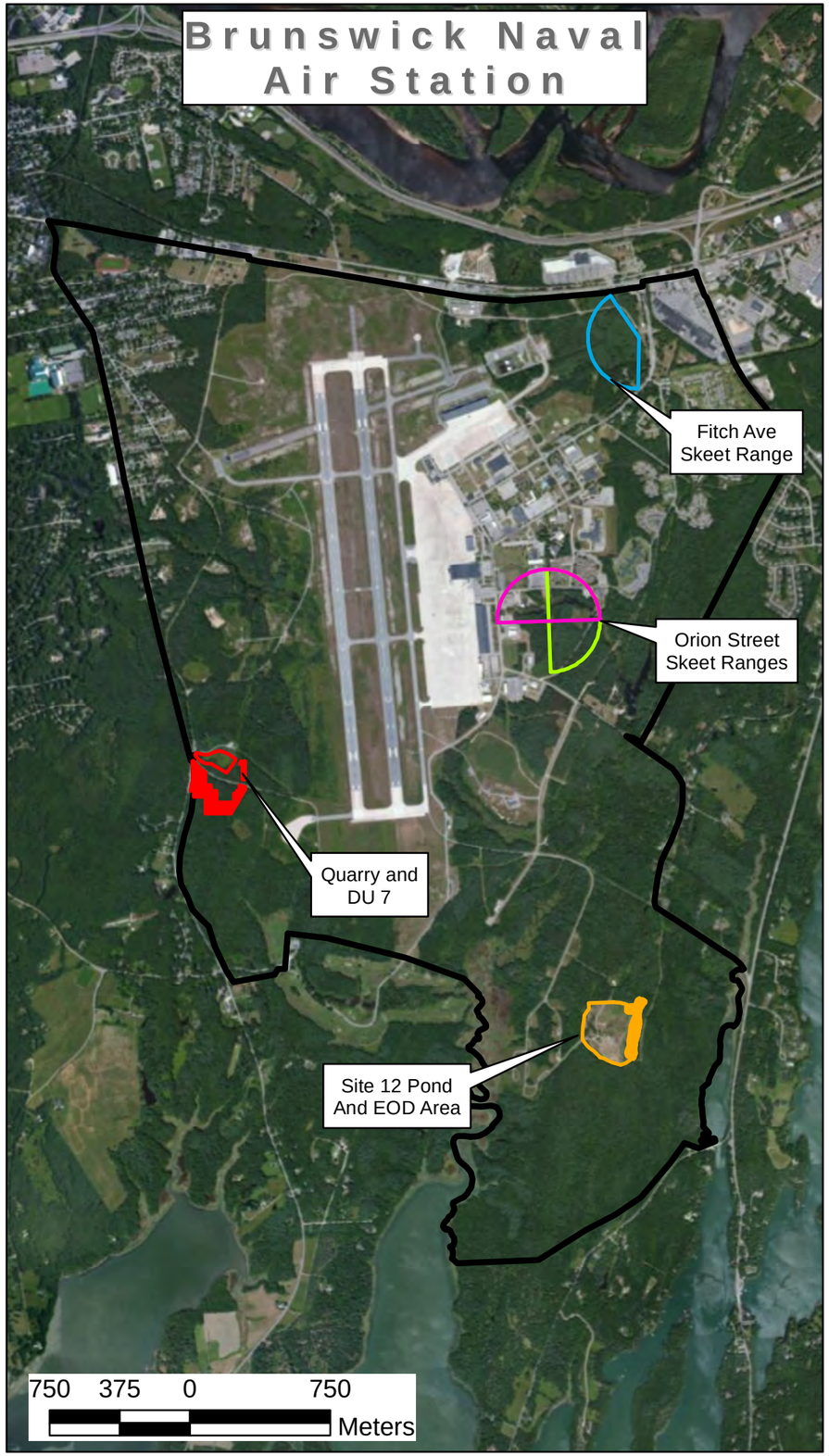

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Scale Varies

Data is projected to the UTM Coordinate System: Zone 19 North, NAD83, Units in Meters.

NAS Brunswick, Maine

Figure 1

NAS Brunswick Site Location Map

Legend

- Fitch Ave Skeet Range
- Orion Street Skeet Range - post-1950
- Orion Street Skeet Range - pre-1950
- Quarry
- Quarry/ DU 7
- Site 12 EOD Area
- Site 12 Pond
- Brunswick NAS Boundary

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By: JAL	Scale: Varies	Rev: 1	
Checked By:	Date Drawn: 10-26-2012		
Submitted By: RH	Revision Date: 9/9/2013		

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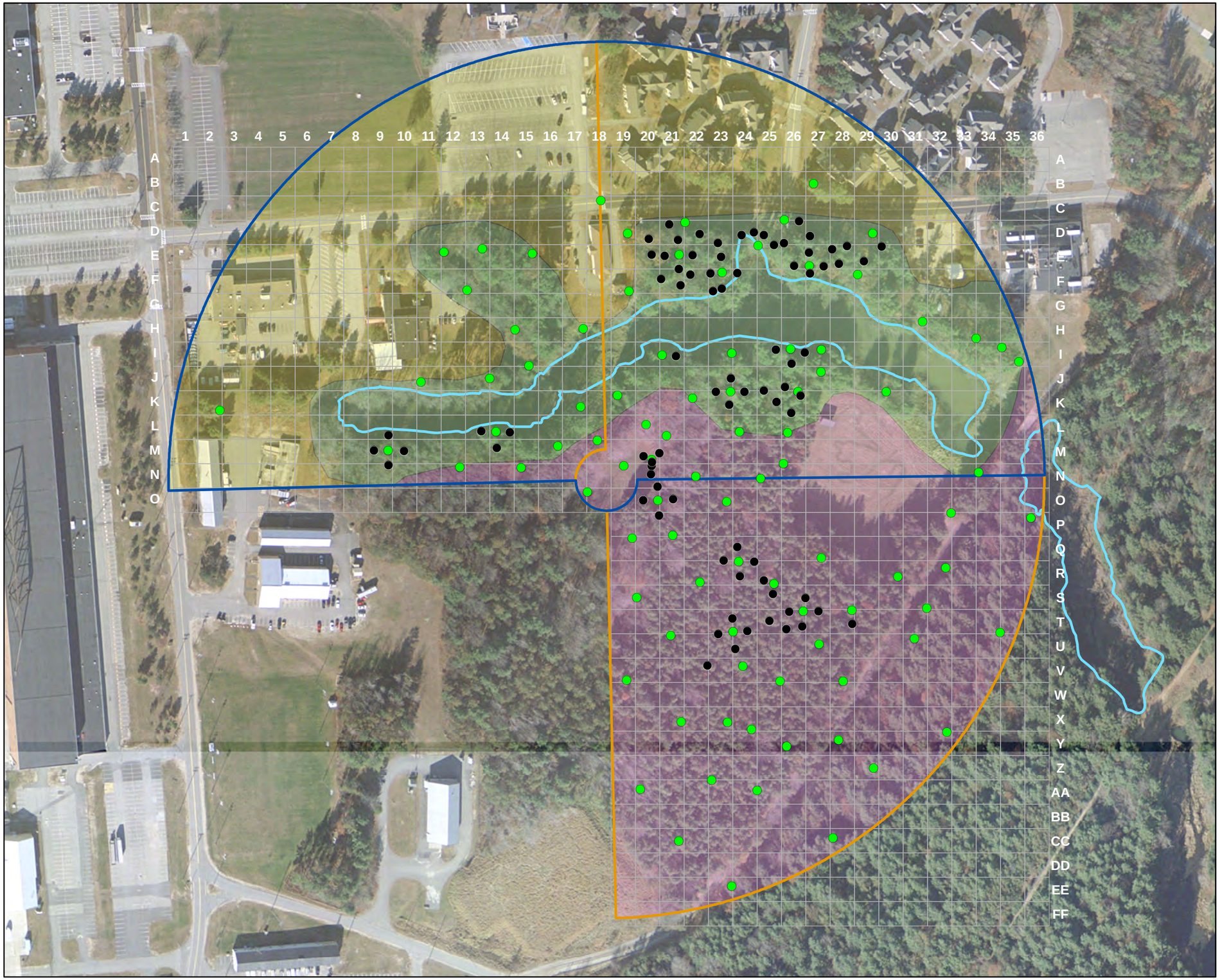

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200 100 0 200
Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 2

Orion Street Skeet Range Site Map

NAS Brunswick, Maine

Legend

- July 2013 Preliminary Design Sample Locations
- Historic Soil Samples
- Skeet Range - Brunswick
- Skeet Range - Pre-1950
- 50' Grids
- Water Impoundment

Decision Units

- DU-1
- DU-2
- DU-3

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By:	JAL	Scale: 1 inch = 200 feet	Rev:
Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date:	

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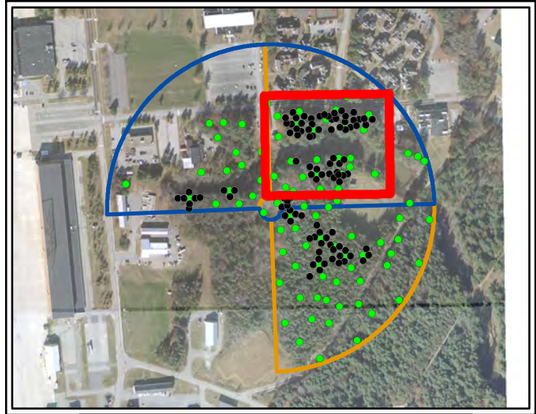
Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 3A
Orion Street Skeet Range Lead Soil Sample Results
Area A

NAS Brunswick, Maine



Legend

- Actual TTech Sample Location
- July 2013 Preliminary Design Sample Locations
- Historic Soil Samples
- 2' Contours
- Proposed Soil Remediation Areas
- 50' Grids
- Water Impoundment

Decision Units

- DU-1
- DU-2
- DU-3

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

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Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date:	

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50 25 0 50

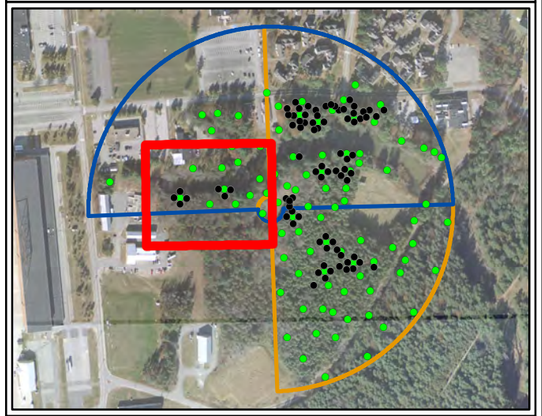
Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 3B
Orion Street Skeet Range Lead Soil Sample Results
Area B

NAS Brunswick, Maine



Legend

- July 2013 Preliminary Design Sample Locations
- Historic Soil Samples
- 2' Contours
- Proposed Soil Remediation Areas
- 50' Grids
- Water Impoundment

Decision Units

- DU-1
- DU-2
- DU-3

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By:	JAL	Scale: 1 inch = 50 feet	Rev:
Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date:	

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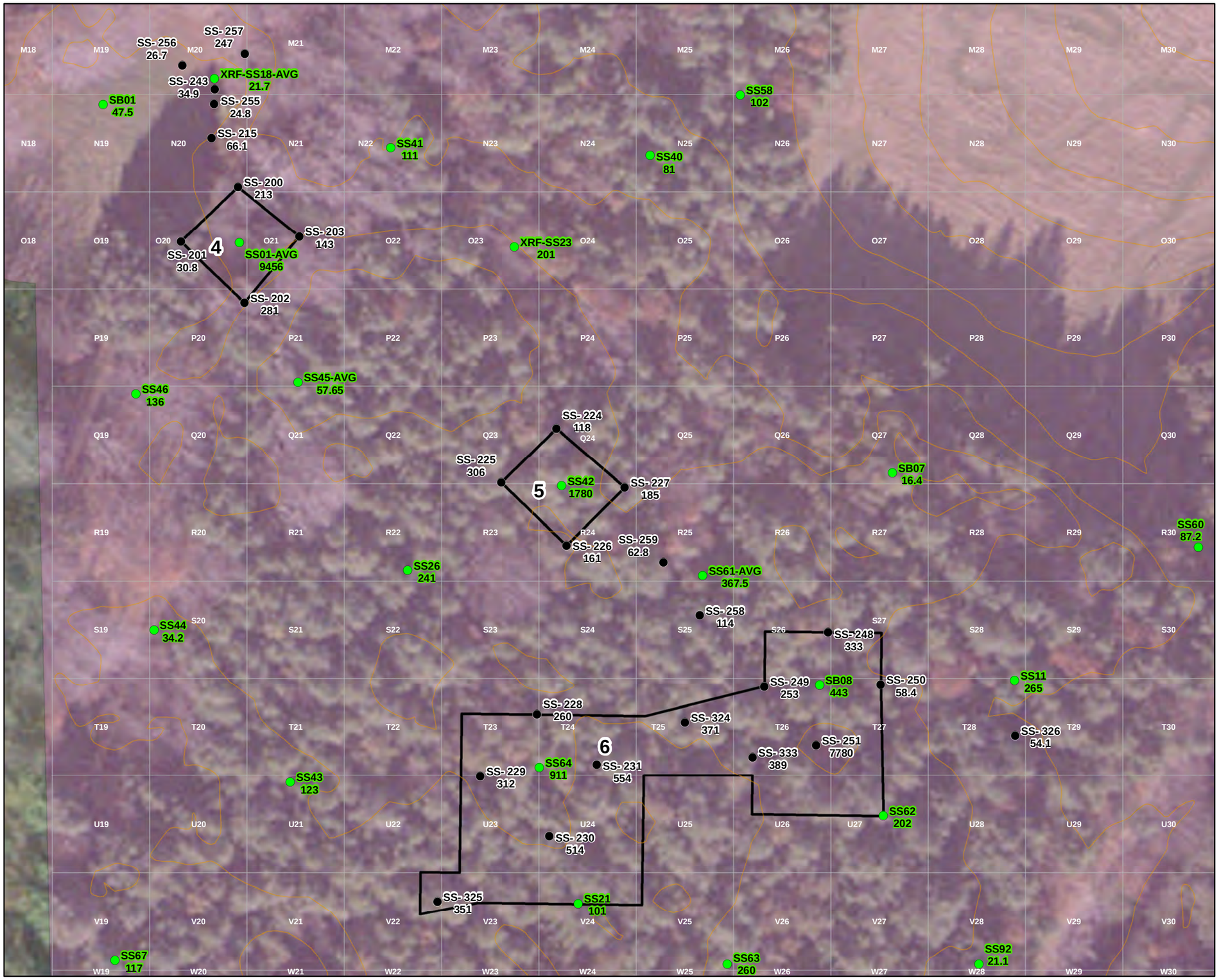


N

50 25 0 50

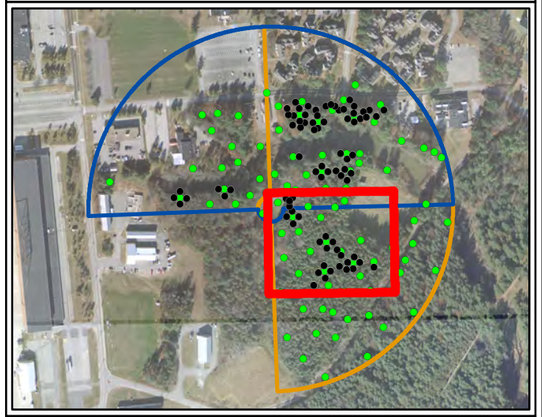
Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 3C
Orion Street Skeet Range Lead Soil Sample Results
Area C

NAS Brunswick, Maine



Legend

- July 2013 Preliminary Design Sample Locations
- Historic Soil Samples
- 2' Contours
- Proposed Soil Remediation Areas
- 50' Grids
- Water Impoundment

Decision Units

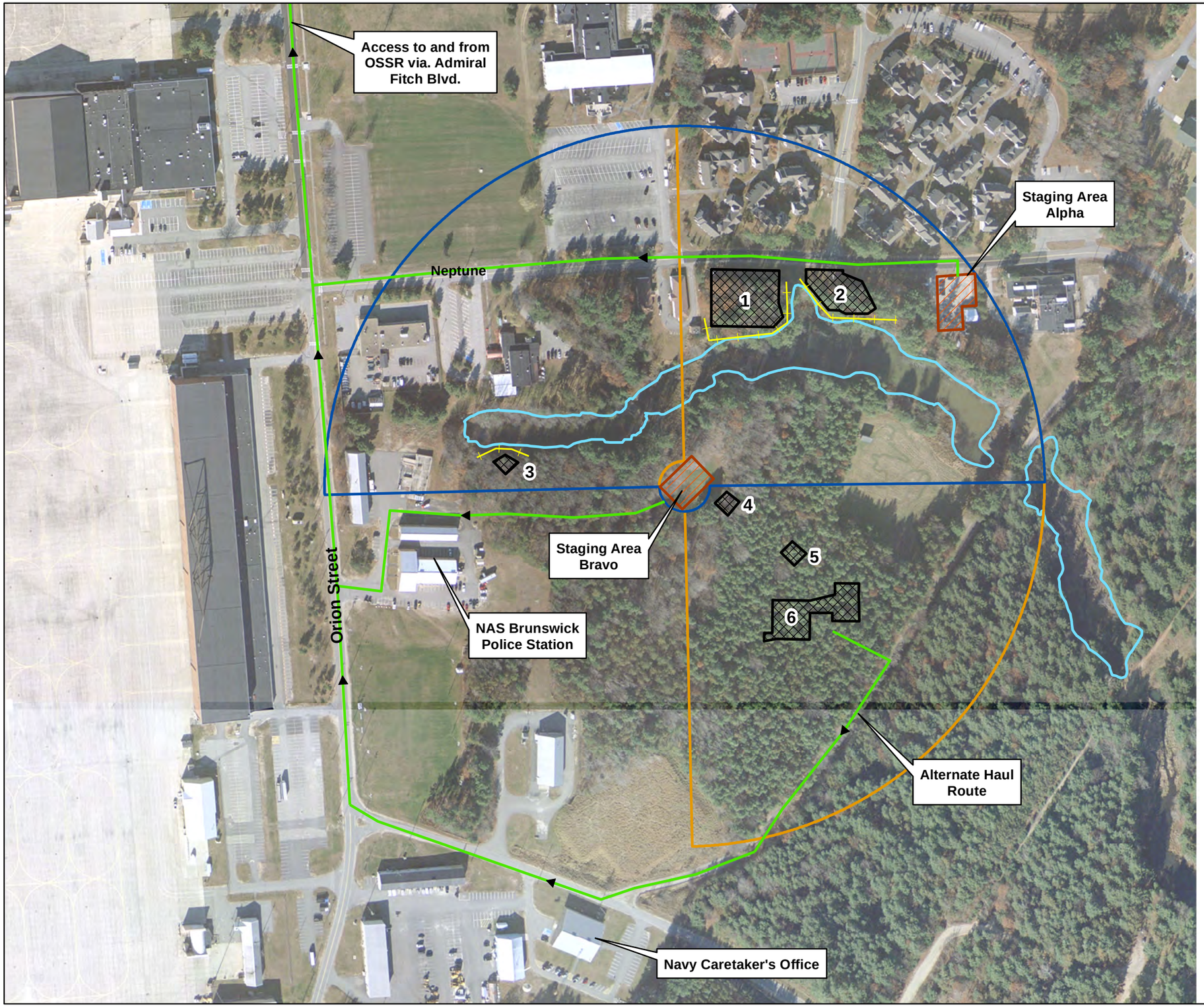
- DU-1
- DU-2
- DU-3

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By:	JAL	Scale: 1 inch = 50 feet	Rev:
Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date:	

Path: S:\Brunswick NAS\MXD\Work Plan\OSSR RA\Pre Design Sampling Results_C.mxd



N

250 125 0 250

Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 4

Orion Street Skeet Range Soil Remediation Construction Site Map

NAS Brunswick, Maine

Legend

- Silt Fence Location
- Soil Haul Routes
- Proposed Soil Remediation Areas
- Soil Staging
- Skeet Range - Brunswick
- Skeet Range - Pre-1950
- Water Impoundment

USA Environmental, Inc.

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Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date:	

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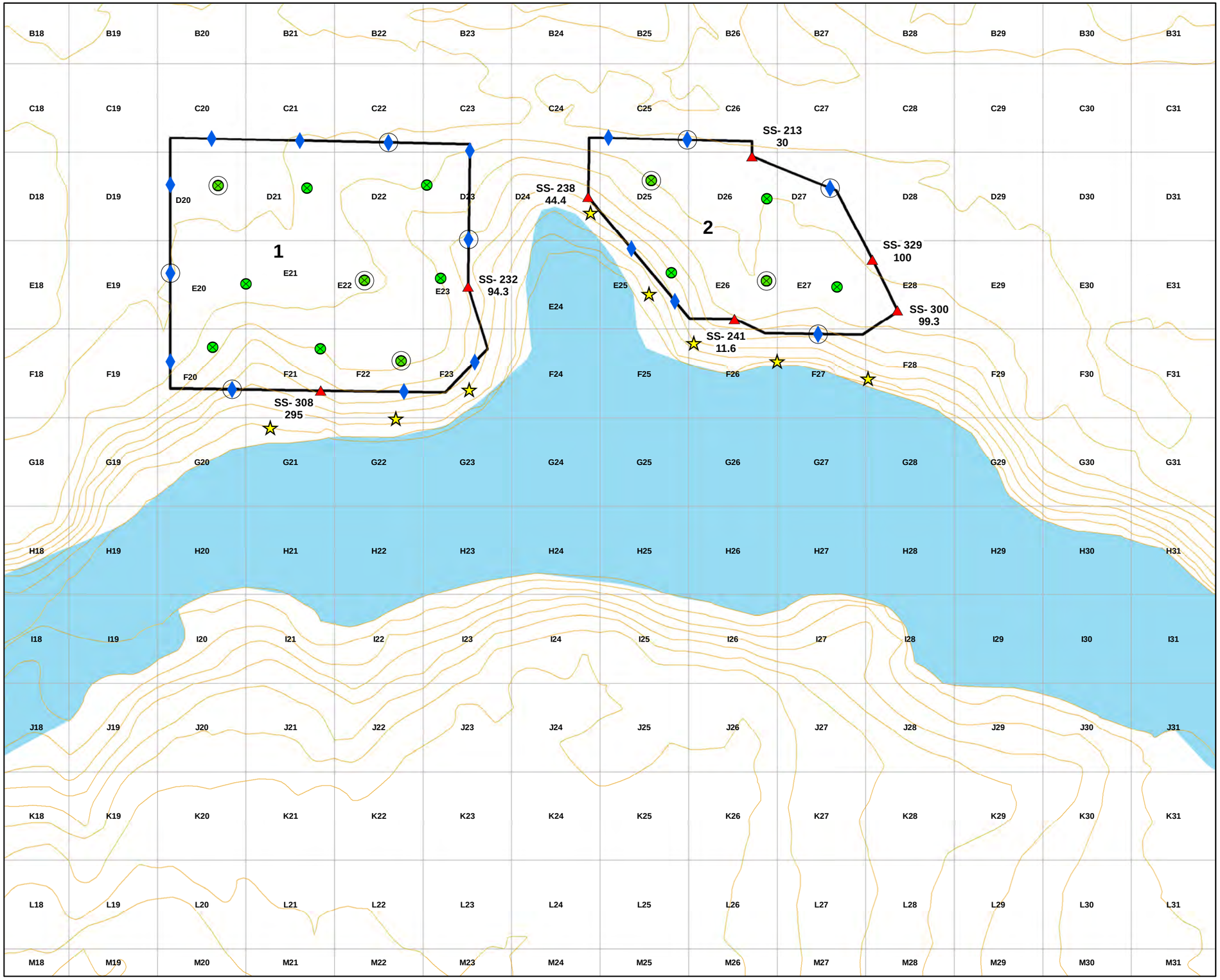


N

55 27.5 0 55

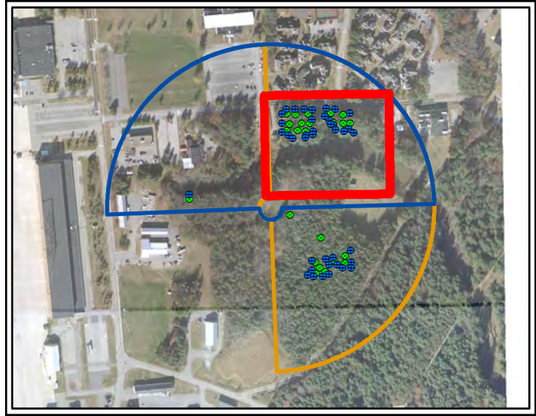
Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 5A
Orion Street Skeet Range
Confirmatory Sampling Plan
Area A

NAS Brunswick, Maine



Legend

Sample Type

- Proposed Perimeter Confirmatory Samples For Lead
- Proposed Additional Perimeter Sample For Lead And PAHs
- Proposed Additional Samples
- Proposed Floor Confirmatory Samples For Lead
- Proposed Additional Floor Samples For Lead And PAHs
- Perimeter Confirmatory Samples/ Pre-Design Sample
- 2' Contours
- Proposed Soil Remediation Areas
- 50' Grids
- Water Impoundment

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By:	JAL	Scale: 1 inch = 55 feet	Rev: 2
Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date: 10/15/2013	

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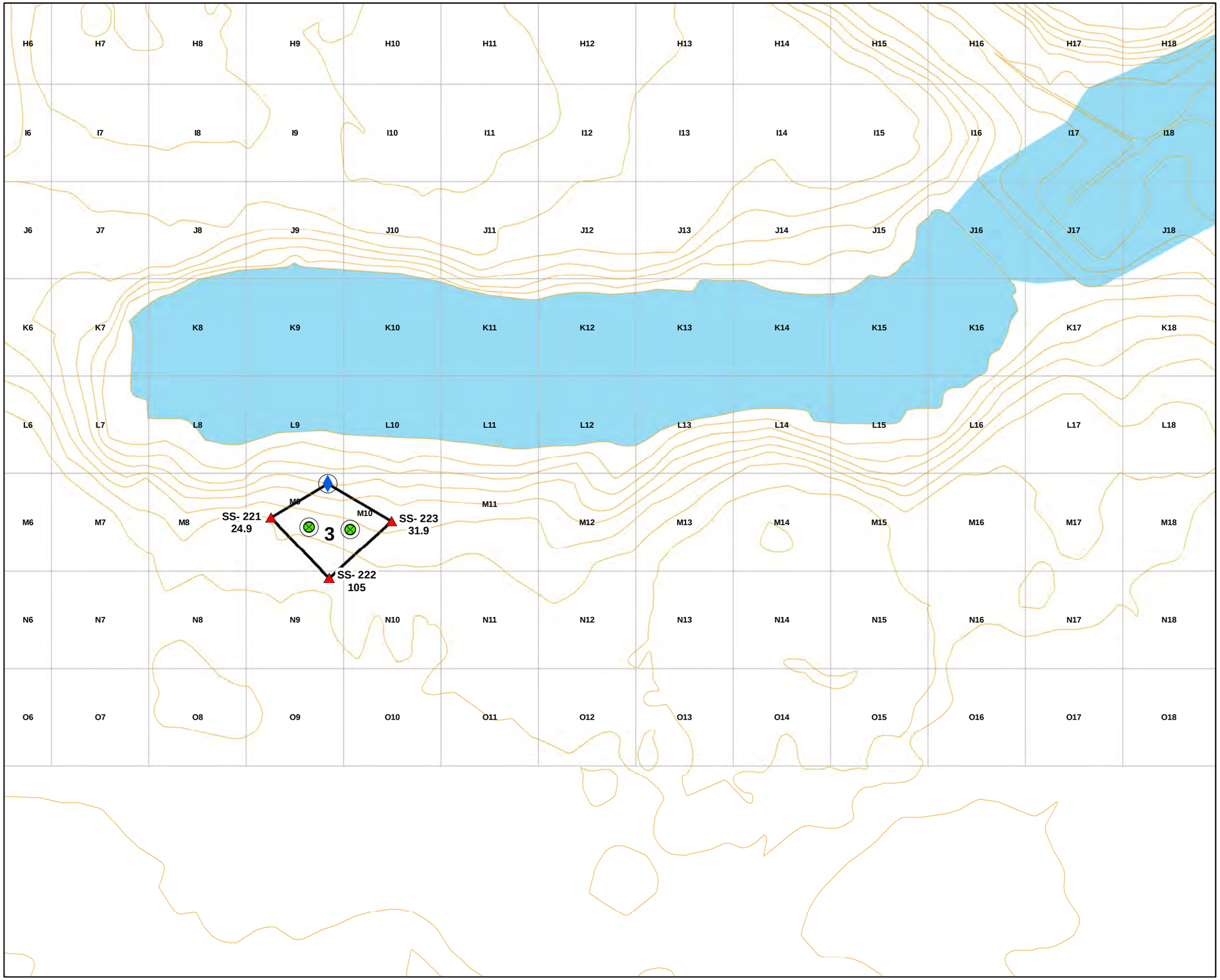


N

50 25 0 50

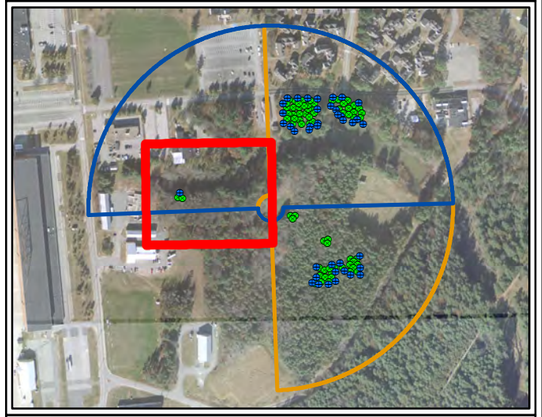
Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 5B
Orion Street Skeet Range
Confirmatory Sampling Plan
Area B

NAS Brunswick, Maine



Legend

Sample Type

- Proposed Perimeter Confirmatory Samples For Lead
- Proposed Additional Perimeter Sample For PAHs
- Proposed Additional Samples
- Proposed Floor Confirmatory Samples For Lead
- Proposed Additional Floor Samples For PAHs
- Perimeter Confirmatory Samples/ Pre-Design Sample
- 2' Contours
- Proposed Soil Remediation Areas
- 50' Grids
- Water Impoundment

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By:	JAL	Scale: 1 inch = 50 feet	Rev:
Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date:	

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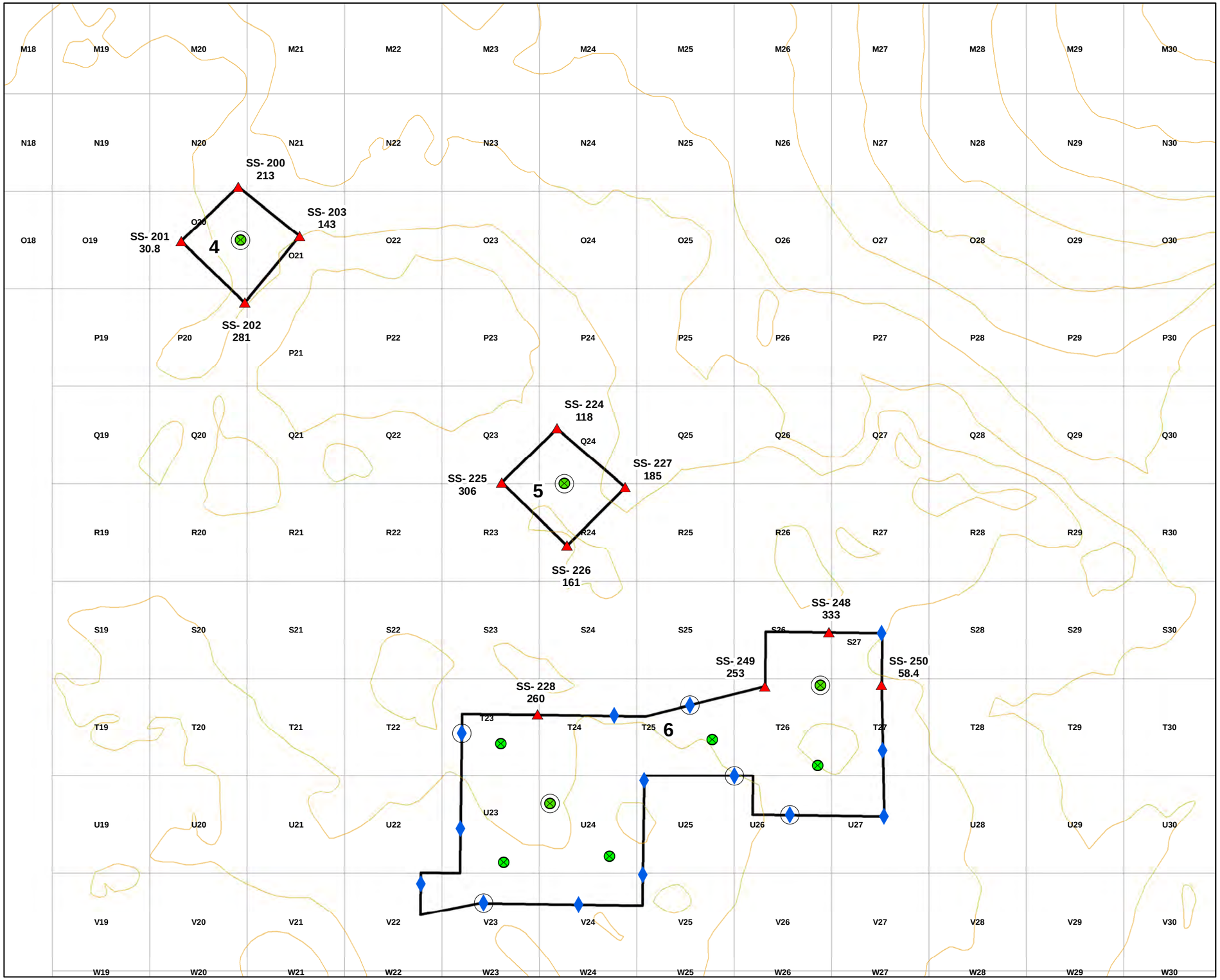


N

50 25 0 50

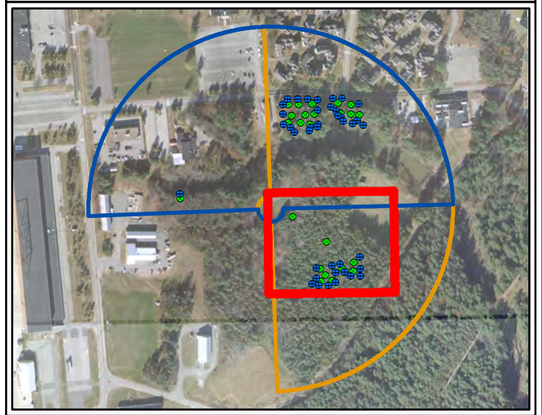
Feet

Data is projected to the State Plane Coordinate System: Maine West Zone, NAD83, Units in Feet.

Orion Street Skeet Range

Figure 5C
Orion Street Skeet Range
Confirmatory Sampling Plan
Area C

NAS Brunswick, Maine



Legend

Sample Type

- Proposed Perimeter Confirmatory Samples For Lead
- Proposed Additional Perimeter Sample For Lead And PAHs
- Proposed Additional Samples
- Proposed Floor Confirmatory Samples For Lead
- Proposed Additional Floor Samples For Lead And PAHs
- Perimeter Confirmatory Samples/ Pre-Design Sample
- 2' Contours
- Proposed Soil Remediation Areas
- 50' Grids

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By:	JAL	Scale: 1 inch = 50 feet	Rev: 2
Checked By:	BB	Date Drawn: 8/5/2013	
Submitted By:	RH	Revision Date: 10/15/2013	

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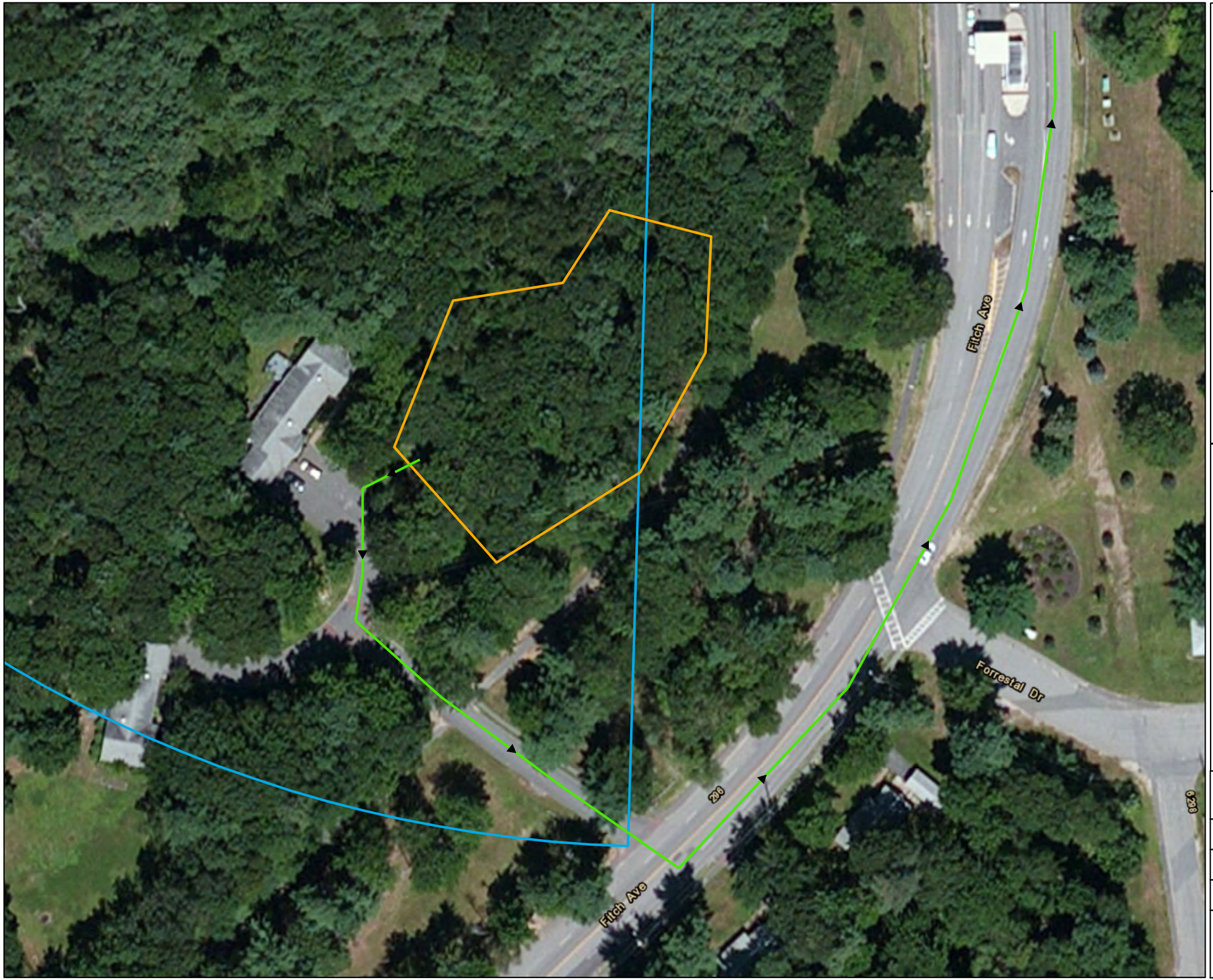

N

20 10 0 20

Meters

Data is projected to the UTM Coordinate System:
NAD 1983 UTM Zone 19N

Fitch Ave Skeet Range

Figure 6

Fitch Ave Skeet Range Site Map

NAS Brunswick, Maine

Legend

- Soil Haul Routes
- Soil Excavation Area
- Fitch Ave Skeet Range

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

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Checked By:		Date Drawn:	9/10/2013
Submitted By:	RH	Revision Date:	

Path: S:\Brunswick NAS\MXD\Work Plan\OSSR RA\Fitch Ave Skeet Range Site Map.mxd

N

10 5 0 10

Meters

Data is projected to the UTM Coordinate System:
NAD 1983 UTM Zone 19N

Fitch Ave Skeet Range

Figure 7

Fitch Ave Skeet Range Confirmatory Sample Map

NAS Brunswick, Maine

Legend

- Proposed Floor Confirmatory Sample Locations
- Proposed Soil Remediation Area
- Fitch Ave Skeet Range

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

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Checked By:	BB	Date Drawn:	9/10/2013
Submitted By:	RH	Revision Date:	

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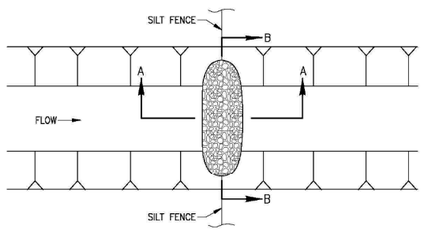

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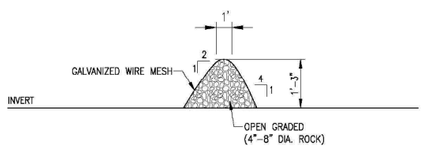
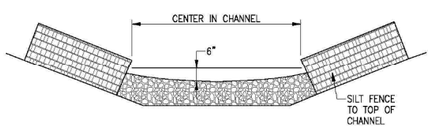


SECTION A–A



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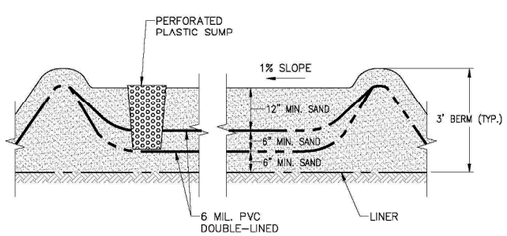
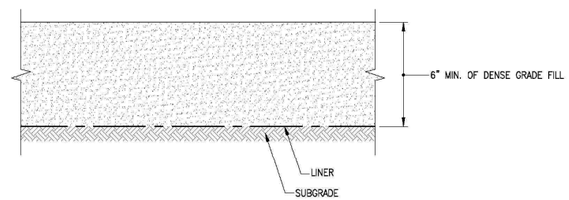
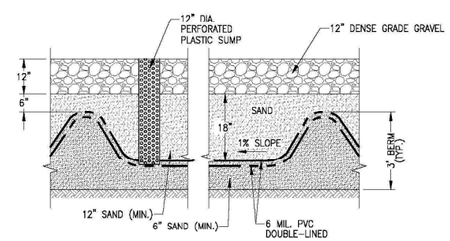
CHECK DAM
N.T.S.



TEMPORARY DRUM STORAGE AREA
N.T.S.



STOCKPILE AREA
N.T.S.



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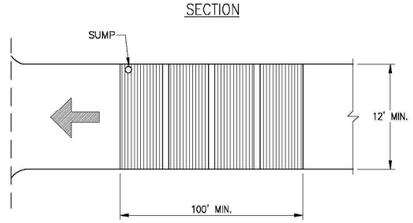
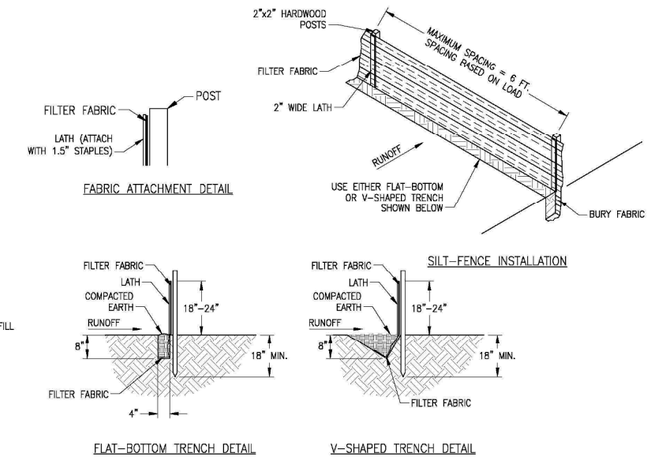


PLAN

DECONTAMINATION PAD
N.T.S.



SILT FENCE
N.T.S

N

Data is projected to the UTM Coordinate System:
NAD 1983 UTM Zone 19N

NAS Brunswick, Maine

Figure 8

Standard Details

NAS Brunswick, Maine

USA Environmental, Inc.

NAVFAC Naval Facilities Engineering Command

Drawn By: JAL	Scale: 1 inch = 435 meters	Rev:
Checked By:	Date Drawn: 9/10/2013	
Submitted By: RH	Revision Date:	

Path: S:\Brunswick NAS\MXD\Work Plan\OSSR RA\Standard Details.mxd

APPENDIX B. STANDARD OPERATING PROCEDURES (SOPS)

This appendix contains the following Standard Operating Procedures (SOPs) for use on this project:

- SOP 1 Field Sampling
- SOP 2 Sample Documentation
- SOP 3 Field Operations Documentation.

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1. TITLE PAGE

STANDARD OPERATING PROCEDURE (SOP)

FOR

FIELD SAMPLING

SOP 1

CONTAMINATED SOILS CLEAN-UP

SKEET RANGES

FORMER NAVAL AIR STATION BRUNSWICK
BRUNSWICK, MAINE

USA ENVIRONMENTAL, INC.

October 2013

2. REFERENCES

- Orion Street and Fitch Avenue Skeet Range Remedial Action Work Plan (RAWP)
- Technical Memorandum/Work Plan Pre-Design Soil Sampling for Orion Street Skeet Range Soil Remediation
- Accident Prevention Plan (APP)
- 29 Code of Federal Regulations 1910, Occupational Safety and Health Standards

3. ACRONYMS AND ABBREVIATIONS

APP	Accident Prevention Plan
COC	Chain of Custody
EB	Equipment Blank
FASR	Fitch Avenue Skeet Range
FD	Field Duplicate “sample”
MS/MSD	Matrix Spike & Matrix Spike Duplicate “sample”
NAS	Naval Air Station
OSSR	Orion Street Skeet Range
RAWP	Remedial Action Work Plan
SOP	Standard Operating Procedure
SHSP	Site Health and Safety Plan
USA	USA Environmental, Inc.
WP	Work Plan

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4. RECORD OF DEVELOPMENT, REVIEW, VALIDATION AND APPROVAL

This standard operating procedure (SOP) contains the procedures and other information that will be needed by USA Environmental, Inc. and subcontractor personnel to conduct field soil sampling during the activities at the Former Naval Air Station (NAS) Brunswick, Maine. By their signatures, the undersigned certify that this SOP is approved for implementation at the project area and will be used to direct sampling operations.

Standard procedures were developed by Parsons.

Reviewed by:

Robert Hierholzer — 10/18/2013
Project Manager — Date

Kenneth Jones — Date
Site Safety Officer

Approved by:

Robert D. Crownover — 18 October 2013
Robert Crownover — Date
Director of Safety and Quality

This standard operating procedure (SOP) expires at the conclusion of project activities and will require a review and approval process prior to reissue. A full review of the SOP is required annually to ensure the document remains current. Revision will be made as operational and/or guidance changes occur. The review and approval process must also be conducted prior to implementing any changes to this SOP.

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5. SUPERVISOR'S STATEMENT

I have read and understand this SOP. To the best of my knowledge, the activities described in this SOP can be done in a safe, healthful, and environmentally sound manner. I have made sure that all persons assigned to this process are qualified, have read and understand the requirements of this SOP, and have signed the worker's statement for this purpose. I will ensure the SOP contains current procedures. If a major change to the SOP is necessary, I will ensure that the process is stopped until the SOP is revised and approved. If unexpected safety, health, or environmental hazards are found, I will make sure the process is stopped until the hazards have been eliminated.

_____ _____

USA Environmental, Inc. Date

6. WORKER'S STATEMENT

I have read this SOP and I have received adequate training to perform the procedures addressed in the SOP. If I identify a hazard not addressed in the SOP, or encounter an operation I cannot perform in accordance with the SOP, I will stop the process and notify my immediate supervisor.

Worker's Name	Date	Supervisor's Name	Date

7. PURPOSE

The purpose of this SOP is to provide USA employees and subcontractors with the minimum procedures applicable to conducting soil sampling within the Orion Street Skeet Range (OSSR) and Fitch Avenue Skeet Range (FASR) at the former NAS Brunswick. This SOP is not a stand-alone document and should be used together with WPs, other USA Environmental, Inc. (USA) SOPs, the APP, applicable Federal, State, local regulations, and contract restrictions and guidance. Consult the documents listed in Section 2 of this SOP for additional compliance issues.

8. FIELD PROCEDURES

8.1 SAMPLING METHODS FOR SOIL – DISCRETE SAMPLING

Discrete soil samples may be collected to confirm the extent of lead contamination. The process for collecting discrete soil samples is as follows.

1. A new pair of clean disposable latex or nitrile gloves will be donned by the sample team members at each sampling location.

2. Sample collection will depend on the required sample depth. For a sample that will be collected from the first 3 in. of topsoil, the sample will be collected by using a decontaminated stainless steel spoon or single-use plastic scoop.

3. If a hand auger is used to obtain soil samples from locations deeper than 6 in., the auger bucket will be advanced to the required depth, and then a new decontaminated bucket will be used for sample collection. If more than one sample is needed from different depths of the same hole, the bucket used for the previous sample may be retained to acquire the next proper sample depth, then a new decontaminated auger bucket will be needed for the next sample. A powered auger may also be used to achieve sample depth; however, once sample depth is achieved, the sample will need to be collected using a decontaminated auger bucket.

4. Specific to the OSSR and the FASR a 1-ft by 1-ft area around the sample location will be hand screened for lead pellets (buckshot) and clay pigeon fragments. If shotgun pellets or clay pigeon fragments are found, the number of items will be recorded in the field notebook. Vegetative cover, if present, will be removed, and the sample will be collected from the top 3 in. of soil. The sample will be homogenized in a stainless steel bowl, ziplock bag, or disposable aluminum pan. To avoid biasing the collected sample, during homogenization, any pellets or clay pigeon fragments will be removed prior to filling the sample container. Mixing will be performed until the sample material appears to have a uniform color and texture, as practical. Document in the field book and difficulty homogenizing the sample.

5. After the sample containers are filled, the caps will be placed on the containers and they will be placed on ice as soon as possible.

6. Once the samples have been collected, the hole will be backfilled with the remainder of soil not used in the sample, and the site will be returned to its original condition, to the best extent possible. QC samples will be collected as specified below.

8.2 SAMPLING METHODS FOR SOIL – COMPOSITE SAMPLING

Composite soil samples may be collected to characterize soil for disposal or future use. These samples may be collected in-situ or from stockpiles. This approach may be used for disposal characterization

stockpiles, or for fill material sampling. The process for collecting the composite soil samples is as follows.

1. A new pair of clean disposable latex or nitrile gloves will be donned by the sample team members at each location.
2. One composite soil sample, consisting of 6 discrete samples, will be collected from the top 3 in. of in-situ soil. (If the sample is collected from a stockpile, it will be from the top half of the pile, to avoid heavier particles that settled at the bottom). The 6 sample increments will be spaced around the stockpile or in-situ area, to account for the volume of the stockpile and other potential waste samples. Care will be taken to remove any vegetative material from the sample.
3. Samples will be collected at a frequency of one composite sample per 200 cubic yards of excavated soil, or if the stockpile is smaller than 200 cubic yards, one composite sample per pile or area (or a frequency specified by the disposal facility for waste characterization sampling).
4. Each sample increment will be collected by using a decontaminated stainless steel spoon or single-use plastic scoop. Six increments of soil will be placed into a decontaminated stainless steel bowl or disposable plastic bag, where the six increments will be homogenized by mixing and/or agitation.
5. Sample containers will be filled from the homogenized soil source. After the sample containers are filled, the caps will be placed on the containers and they will be placed on ice as soon as possible.

8.3 SAMPLE CONTAINERS AND PRESERVATION

Samples collected for the field activities will be collected using the containers, preservation techniques, and holding times presented in Table 8-1. Katahdin Analytical Services, Inc., will provide pre-cleaned and preserved (if applicable) sample bottles for use in collecting soil samples.

Table 8-1: Sample Containers, Preservation, and Holding Times

Parameter	Sample Container	Preservative	Holding Time
Discrete and Composite Soil Samples			
Lead	1 x 4-oz jar	Cool to 4 °C	6 months
TAL Metals	1 x 4-oz jar	Cool to 4 °C	6 months
VOCs	(3) 40mL w/ DI +(1) 40ml w/MeOH	VOA vials (DI/MeOH-with the DI needing to be frozen within 48hrs)	DI-freeze within 48 hrs./14 days
SVOCs	(3) 40mL w/ DI +(1) 40ml w/MeOH	VOA vials (DI/MeOH-with the DI needing to be frozen within 48hrs)	DI-freeze within 48 hrs./14 days
Explosives	1 x 4-oz jar	Cool to 4 °C	14 days
PCBs	1 x 4-oz jar	Cool to 4 °C	14 days
Pesticides	1 x 4-oz jar	Cool to 4 °C	14 days
RCRA Characteristics	1 x 4-oz jar	Cool to 4 °C	pH=24hrs/Reactive Sulfide=7days Reactive Cyanide & IGN=14days

8.4 FIELD QC SAMPLES

Field QC samples are used to assess the representativeness of the sampling activities. They are designed to determine what effect activities, such as sample container cleaning, sample collection, field decontamination, bottling, and shipping, have on sample integrity and to ensure that samples sent to the laboratory are representative of site conditions. The sample team(s) will ensure that sufficient sample volume to perform all necessary analyses is collected when field duplicate (FD) and matrix spike and matrix spike duplicate (MS/MSD) samples are required. Note that QC samples are not required for waste characterization or fill material sampling.

8.4.1 Field Duplicates (FD)

Field duplicates will be collected at the frequency of one per every ten field samples. FD samples are samples collected simultaneously from the same media source under identical conditions. All FDs will be analyzed by Katahdin. FDs sent to the laboratories will be labeled with different sample collection time and sample identification so analysts performing laboratory analyses cannot distinguish duplicates from other samples.

8.4.2 Matrix Spikes / Matrix Spike Duplicates (MS/MSD)

For the laboratory analyses, MS/MSDs are used to assess interferences in analytical results caused by the sampled matrix. The analytical laboratory spikes the MS/MSDs with known concentrations of representative target compounds, and then analyzes the MS/MSDs. The percent recovery is calculated and used to evaluate interference effects. One set of MS/MSD will be collected per every twenty field samples per matrix. The MS/MSD samples will be labeled the same as the parent sample, with the addition of “MS/MSD” noted on the sample label and on the chain-of-custody (COC) form.

8.4.3 Equipment Blank (EB)

Rinseate (equipment) blanks (EB) are samples of analyte-free (deionized or distilled) water that are rinsed over decontaminated sampling equipment, collected, and submitted for analysis. These samples are used to assess cross-contamination from the sampling equipment, the sample container, and/or preservatives. Equipment blanks will be collected in sample containers, sealed and handled in the same manner as the associated field samples, and shipped to the laboratory for analysis. One equipment blank per day will be collected when non-disposal sample collection tools are used. These EB samples will only be prepared and submitted if non-disposable sampling equipment is used.

8.4.4 Temperature Blank

A temperature blank is a container (e.g., 40 mL) of water packaged along with discrete field samples in the shipping cooler that will represent the temperature of the incoming cooler upon receipt at the laboratory. Use of these samples within a shipping container enables the receiving laboratory to assess the temperature of the shipment without disturbing any project field samples. All iced coolers will contain a minimum of one temperature blank.

7.4.5 Trip Blank

A trip blank is a sample of analyte-free media collected in the same type of container required for the analytical test, taken from the laboratory (or other point of origination) to the sampling site and returned to the laboratory unopened. A trip blank is used to document contamination attributable to shipping and field handling procedures (i.e., diffusion of volatile organics through bottleware during shipment and storage). A trip blank may also serve to detect contamination from containers (i.e., bottle blank).

8.5 BASIC DECONTAMINATION PROCEDURES

In the event that non-disposable equipment is used, the sample collection equipment will be decontaminated using the following process.

1. Wash equipment with tap/potable water and laboratory-grade detergent (Alconox or Liquinox). A scrub brush will be used to remove dirt and surface film.
2. Rinse thoroughly with tap water.
3. Rinse thoroughly with distilled water.
4. Remove excess water and allow equipment to dry.
5. Wrap equipment in aluminum foil, shiny side out.

Equipment decontamination will be conducted in a clean area, free of dust.

8.6 SAMPLE HANDLING

Upon collection, all samples will be kept cool by being placed on ice (4 ± 2 °C) until the cooler is packaged and shipped to a laboratory facility. Once the samples are collected, the following guidelines will be used to initially prepare the sample bottles for shipment to the laboratory.

1. Place labeled containers in bubble pack/sleeves.
2. Place all glass containers in Ziploc-type bags and seal.
3. Line insulated shipping cooler with a large trash bag and place wrapped and bagged samples into the lined, insulated cooler, then cool (to 4 ± 2 °C) using ice.
4. Place all samples in designated cooler. Make sure all samples in the cooler are listed on the COC record.

8.7 SAMPLE PACKAGING

The following guidelines will be used to complete the sample packaging procedures for shipment to the laboratory.

1. Seal completed COC record in a Ziploc-type plastic bag and tape to the inside of the cooler lid.
2. Pour out water from melted ice and replace with double-bagged fresh ice.
3. Place sample bottles in upright position.
4. Close trash bag and seal with tape.
5. Fill empty spaces in cooler with packaging material, for example, bubble pack or cardboard.
6. Tape cooler drain plug shut.
7. Securely seal shipping container/cooler with packing tape and custody seals (provided by laboratory).
8. Prepare cooler for pickup by Katahdin. (If pickup is not possible, ship container/cooler to the appropriate laboratory via overnight express.)

9. EMERGENCY RESPONSE PROCEDURES

In the case of an emergency, refer to the hospital map in the APP provided under separate cover.

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1. TITLE PAGE

STANDARD OPERATING PROCEDURE

FOR

SAMPLE DOCUMENTATION

SOP 2

CONTAMINATED SOILS CLEAN-UP

SKEET RANGES

FORMER NAVAL AIR STATION BRUNSWICK
BRUNSWICK, MAINE

USA ENVIRONMENTAL, INC.

October 2013

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2. REFERENCES

- Orion Street Skeet Range Pre-Design Soil Sampling Technical Memorandum\Work Plan (WP)
- Orion Street and Fitch Avenue Skeet Range RAWP

3. ACRONYMS AND ABBREVIATIONS

APP	Accident Prevention Plan
COC	Chain of Custody
FASR	Fitch Avenue Skeet Range
MS/MSD	Matrix Spike & Matrix Spike Duplicate “sample”
OSSR	Orion Street Skeet Range
QA	Quality Assurance
QC	Quality Control
SOP	Standard Operating Procedure
USA	USA Environmental, Inc.
WP	Work Plan

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6. WORKER'S STATEMENT 9
7. PURPOSE 11
8. SAMPLE DOCUMENTATION 11

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4. RECORD OF DEVELOPMENT, REVIEW, VALIDATION AND APPROVAL

This standard operating procedure (SOP) contains the procedures and other information that will be needed by USA Environmental, Inc. and subcontractor personnel to conduct field soil sampling during the activities at the Former Naval Air Station (NAS) Brunswick, Maine. By their signatures, the undersigned certify that this SOP is approved for implementation at the project area and will be used to direct sampling operations.

Standard procedures were developed by Parsons.

Reviewed by:

10/18/2013

Robert Hierholzer
Project Manager

Date

Kenneth Jones
Site Safety Officer

Date

Approved by:

18 October 2013

Robert Crownover
Director of Safety and Quality

Date

This standard operating procedure (SOP) expires at the conclusion of project activities and will require a review and approval process prior to reissue. A full review of the SOP is required annually to ensure the document remains current. Revision will be made as operational and/or guidance changes occur. The review and approval process must also be conducted prior to implementing any changes to this SOP.

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5. SUPERVISOR'S STATEMENT

I have read and understand this Standard Operating Procedure (SOP). To the best of my knowledge, the activities described in this SOP can be done in a safe, healthful, and environmentally sound manner. I have made sure that all persons assigned to this process are qualified, have read and understand the requirements of this SOP, and have signed the worker's statement for this purpose. I will ensure the SOP contains current procedures. If a major change to the SOP is necessary, I will ensure that the process is stopped until the SOP is revised and approved. If unexpected safety, health, or environmental hazards are found, I will make sure the process is stopped until the hazards have been eliminated.

_____ _____

USA Environmental, Inc. Date

6. WORKER'S STATEMENT

I have read this SOP and I have received adequate training to perform the procedures addressed in the SOP. If I identify a hazard not addressed in the SOP, or encounter an operation I cannot perform in accordance with the SOP, I will stop the process and notify my immediate supervisor.

Worker's Name	Date	Supervisor's Name	Date

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7. PURPOSE

The purpose of this SOP is to provide USA employees and subcontractors with the minimum procedures applicable to conducting soil sampling within the skeet ranges at the former NAS Brunswick. This SOP is not a stand-alone document and should be used together with WPs, other USA Environmental, Inc. (USA) SOPs, the Accident prevention Plan (APP), applicable Federal, State, local regulations, and contract restrictions and guidance. Consult the documents listed in Section 2.0 of this SOP for additional compliance issues.

8. SAMPLE DOCUMENTATION

8.1 SAMPLE NUMBERING

A sample numbering system will be implemented to identify each sample collected during the pre-design sampling and any post-excavation sampling, and for all Quality Control (QC) samples. This numbering system will ensure that each sample is uniquely labeled, and will provide a tracking procedure to allow retrieval of information about each sample collected.

Every sample number and location will be recorded in the sample logbook, Chain of Custody (COC) documentation, and daily sampling reports. Every sample number will be preceded by a site name abbreviation ("OSSR") to identify that the sample was collected from the OSSR project site, and FASR to identify that the sample was collected from the FASR project site. Surface soil samples taken during the sampling event will employ the following labeling system:

Confirmatory Samples

[OSSR]-[EX]-[FL]-[XXX] or [SKT]-[EX]- [PR]-[XXX]

OSSR indicates the Orion Street Skeet Range portion of the Site, the abbreviated Site name

EX designates an excavation sample with the excavation ID

FL indicates a floor sample

PR indicates a perimeter sample

XXX is the sample number, increasing sequentially, starting with 400

For example, a surface soil sample collected from the floor of excavation 1 would be labeled OSSR-EX1-FL-400.

All Matrix Spike & Matrix Spike Duplicate (MS/MSD) samples collected will mirror the above nomenclature with the added suffix MS/MSD.

All Quality Assurance (QA)/QC samples (duplicates or equipment blanks collected) will utilize the following sample label format:

Equipment Blanks: [OSSR]-[FL or PR]/Type of QA Sample]-[sequential # starting at 1]
(e.g., SKT-FL-EB01)
Duplicate samples: Add -00 at the end of the parent sample ID (e.g., OSSR-EX1-FL-402-00)

Waste Characterization Samples – Soil

[OSSR]-[DSX]-ZZ

The OSSR denotes the site name, the DS denotes disposal characterization sample, X notes the excavation area (1 through 6) and the ZZ is the sample number.

Waste Characterization Samples – Water

[OSSR]-DS-H20-ZZ

The OSSR denotes the site name, the DS denotes disposal characterization sample, and the ZZ is the sample number.

Fill Sampling

[OSSR]-[FILL]-[ZZ]

The OSSR denotes the site name, the FILL denotes fill sample, and the ZZ is the sample number.

The date and time of sample collection will also be recorded in the sample logbook, on COC forms, and in daily sampling reports.

The samples for FASR will follow the same sampling nomenclature, replacing “OSSR” with “FASR”.

8.2 SAMPLE LABELS

Each bottle submitted to the laboratory for analysis will have a sample label provided by the laboratory containing the following information:

- Project Name, e.g., Orion Street Skeet Ranges (OSSR) (or FASR)
- Sample Location, e.g., Excavation 1
- Parsons job number, e.g., 748766
- Sample number designation, e.g., “SKT-EX1-FL-400 ”
- Collection Date and Time
- Analysis required, e.g., lead
- Preservative added, e.g., none; and
- Sampler, e.g., Parsons.

Prior to sample collection, sample label information will be completed and the label will be placed on the appropriate bottle, and the sample label will be covered with clear tape. Indelible ink markers will be used to complete the sample labels.

8.3 CHAIN-OF-CUSTODY RECORDS

COC procedures provide documentation of the handling of each sample from the time it is collected until it is delivered to the lab. COC procedures will be implemented so a record of sample collection, transfer of samples between personnel, sample shipping, and receipt by the laboratory analyzing the sample, can be maintained. The COC record (see below) will serve as a legal record of possession of the sample. The COC record will be initiated with the acquisition of the sample. The COC record will remain with the

sample at all times, and will bear the name of the person assuming responsibility for the sample. A sample is considered to be under custody if one or more of the following criteria are met.

- The sample is in the sampler's possession.
- The sample is in the sampler's view after being in possession.
- The sample was in the sampler's possession and then was locked up to prevent tampering.
- The sample is in a designated secure area.
- All samples collected will be documented on a COC record. This COC record will be used in the field to document the transfer of samples from Parsons to Katahdin.
- All sample shipments will be accompanied by a COC record. To document the transfer of possession of the samples, the person relinquishing the samples, as well as the person receiving the samples, will sign and date the respective COC record.

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Katahdin ANALYTICAL SERVICES

600 Technology Way
P.O. Box 540
Scarborough, ME 04070
Tel: (207) 874-2400
Fax: (207) 775-4029

Chain of Custody

Client:	Contact:	Phone #: ( )	Fax #: ( )
Address:	City:	State:	Zip Code:
Purchase Order #:	Proj. Name/No.:		Katahdin Quote #:
Bill (if different than above):		Address:	
Sampler (Print/Sign):			Copies To:

LAB USE ONLY	Work Order #: Katahdin Project Number		
Remarks:			
Shipping Info:	FEDEX	UPS	CLIENT
Airbill No:			
Temp C	Temp Blank	Intact	Not Intact

*	Sample Description	Date/Time Collected	Matrix	No. of Containers	Analysis and Container Type Preservatives									
					Filt. Y / N	Filt. Y / N	Filt. Y / N	Filt. Y / N	Filt. Y / N	Filt. Y / N	Filt. Y / N	Filt. Y / N	Filt. Y / N	Filt. Y / N

COMMENTS:

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:
Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received By:

1. TITLE PAGE

STANDARD OPERATING PROCEDURE

FOR

FIELD OPERATIONS DOCUMENTATION

SOP 3

CONTAMINATED SOILS CLEAN-UP

SKEET RANGES

FORMER NAVAL AIR STATION BRUNSWICK
BRUNSWICK, MAINE

USA ENVIRONMENTAL, INC.

October 2013

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2. REFERENCES

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3. ACRONYMS AND ABBREVIATIONS

APP	Accident Prevention Plan
FASR	Fitch Avenue Skeet Range
OSSR	Orion Street Skeet Range
PDAs	Personal Digital Assistants
SOP	Standard Operating Procedure
USA	USA Environmental, Inc.
WP	Work Plan

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7. PURPOSE 10
8. FIELD OPERATIONS DOCUMENTATION 10
   8.1 Soil Sampling Record 10
   8.2 Field Logbook 10

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4. RECORD OF DEVELOPMENT, REVIEW, VALIDATION AND APPROVAL

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Standard procedures were developed by Parsons.

Reviewed by:

Robert Hierholzer
Project Manager

10/18/2013
Date

Kenneth Jones
Site Safety Officer

Date

Approved by:

Robert Crownover
Director of Safety and Quality

18 October 2013
Date

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USA Environmental, Inc. Date

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Worker's Name	Date	Supervisor's Name	Date

7. PURPOSE

The purpose of this SOP is to provide USA employees and subcontractors with the minimum procedures applicable to conducting soil sampling within the Orion Street Skeet Range (OSSR) and Fitch Avenue Skeet Range (FASR) at the former NAS Brunswick. This SOP is not a stand-alone document and should be used together with WPs, other USA Environmental, Inc. (USA) SOPs, the Accident prevention Plan (APP), applicable Federal, State, local regulations, and contract restrictions and guidance. Consult the documents listed in Section 2 of this SOP for additional compliance issues.

8. FIELD OPERATIONS DOCUMENTATION

Field operations documentation will, when practical, be generated by field personnel using electronic forms on personal digital assistants (PDAs) specifically programmed for this task. In other cases, paper forms will be utilized.

8.1 SOIL SAMPLING RECORD

The Soil Sampling Record will be completed in the field logbook with the sample ID, sample time/date, depth, and description of every confirmatory sample collected. As appropriate, the logbook may include a sketch of the sample location. Additionally, a similar record of disposal characterization or fill material samples will be documented in the logbook.

8.2 FIELD LOGBOOK

A logbook will be maintained by the sample team leader during each sampling event, to provide documentation of activities that have occurred in the field on any given day, including samples collected and shipped (or picked up), and conditions or activities that affected the fieldwork. The field logbook will be bound, and have numbered pages. All pertinent information regarding site activities will be documented as near to real-time as possible. Entries in the logbook will be signed and dated. The following is a partial list of the types of information that may be recorded in the logbook:

- Name and title of author; date and time of entry; and physical/environmental (weather included) conditions during the daily field activities;
- Sampling activity purpose and plan;
- Types of sampled media (e.g. surface soil, sediment);
- Sample collection methods (e.g., discrete);
- Numbers, types, and volumes of samples taken;
- Sample ID numbers;
- Analyses, numbers of containers, and preservation required;
- Locations of sampling points;
- Dates and times samples were collected; and
- Descriptions of sample collection activities and samples.

All entries will be made in permanent, waterproof ink. Any corrections made in the logbook will be marked through with a single line and then dated and initialed.

APPENDIX C. CONTRACTOR FORMS

This appendix contains copies of the following forms for use on this project:

- Daily Site Report
- Tailgate Safety Briefing
- NAVFAC – Contractor Safety Self-Evaluation Checklist.

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USA Environmental, Inc.

DAILY SITE REPORT

SECTION 1		GENERAL INFORMATION		
Project Name:		Customer(s) Name:		Report No.:
Contract No.:	TO No.:	Completion Date:	Location:	Date of Report:
SUXOS Name:		Telephone No.:		Email Address:
Site Manager's Name:		Telephone No.:		Email Address:
Customer POC Name:		Telephone No.:		Email Address:
Project Web Portal Address:				

SECTION 2				WEATHER	
Temp: High / Low		Precipitation / Humidity		Wind:	Work Impact / Remarks:

SECTION 3			USA ASSIGNED PERSONNEL		
Position:	No. Assigned:	No. Present:	Position:	No. Assigned:	No. Present:
Site Manager			UXOT II		
SUXOS			UXOT I		
UXOQCS					
UXOSO					
UXOT III					

SECTION 4			SUBCONTRACTOR ASSIGNED PERSONNEL		
Position:	No. Assigned:	No. Present:	Position:	No. Assigned:	No. Present:

SECTION 5			SUBCONTRACTOR / RENTAL HEAVY EQUIPMENT ONSITE	
Description:	Quantity:	Operational:	Owner:	Remarks:

SECTION 6			TASK(S) PERFORMED		
Task Performed:	Acres/Grids:	Transects:	Re-Acquire:	Digs:	Other:
Surface					
Subsurface					
DGM / GIS					
Devegetation					
Demolition					
Survey					
Support					

SECTION 7 WORK DETAILS

Acres/Grids:	Transects:	Re-Acquire:	Digs:	Remarks:

SECTION 8 SAFETY DATA

1) Were safety inspections held?	☐ Y ☐ N	**2)** Was HW found or recovered today?	☐ Y ☐ N
General ☐ Tailgate ☐ Task Specific ☐		Type:	
3) Were there any accidents?	☐ Y ☐ N	**4)** Was a "Competent Person" required?	☐ Y ☐ N
1st Aid ☐ Clinic ☐ Hospital ☐		Type:	
5) Were there any near misses?	☐ Y ☐ N	**6)** Was PPE up or down graded today?	☐ Y ☐ N
Brief Description:		Changed to:	

SECTION 9 QUALITY CONTROL DATA

1) Were QC inspections held?	☐ Y ☐ N	**2)** Was a QA submittal made today?	☐ Y ☐ N
Site ☐ MEC ☐ DGM ☐ Other ☐		Submitted by:	
3) Were there any failures?	☐ Y ☐ N	**4)** Was a Stop Work or CAR issued?	☐ Y ☐ N
Minor ☐ Major ☐ Critical ☐		Issued by:	
5) Were there any corrections?	☐ Y ☐ N	**6)** Was a Form 948 issued?	☐ Y ☐ N
Brief Description:		Issued for:	

SECTION 10 MPPEH / MDAS

No. of MPPEH items found.		Lbs. of MDAS recovered.	
No. of MPPEH items consolidated.		Lbs. of MDAS placed in a "sealed" container.	

SECTION 11 MEC / UXO SUMMARY

Type:	Quantity:	Live:	Practice:	Unknown:	Location:
Projectiles					
Grenades					
Rockets					
Bombs					
Mines					
Missiles					
Pyrotechnics					
ICM / Submunitions					

SECTION 12 DEMOLITION OPERATIONS

Location:	No. of Items Destroyed:	Remarks:

SECTION 13	DAILY COMMENTS	
CUSTOMER/REGULATORY INSTRUCTIONS ISSUED:		
SECTION 14	**SIGNATURE BLOCKS**	
Type or Print SUXOS Name:	Signature:	Date:
Type or Print Site Manager's Name:	Signature	Date:
CC to:		
Government Representative ☐	Project Manager ☐	Customer Representative ☐
Other – Specify:		

Note: Sections 2 through 13 above may have additional information found in inspection forms, preprinted forms, information sheets, or tabulated data sets (i. e., Sign-In / Sign-out Log, MEC Summary Log, Demolitions Records, QC Inspection Form, Safety Inspection Form). Attach additional information or continuation sheets to this report as needed.

USA Environmental, Inc.

TAILGATE SAFETY BRIEFING

Date: **Location:**

Time: ☐ **AM** ☐ **PM** **Team #:**

1. Reason for Briefing:			
☐	Daily Safety Briefing	☐	New Site Procedure
☐	Initial Safety Briefing	☐	New Site Information
☐	New Task Briefing	☐	Review of Site Information
☐	Periodic Safety Meeting	☐	Other (Specify):

2. Personnel Attending:		
Name	Signature	Position

3. Briefing Given By:		
Name	Signature	Position

4. **Topics:** (Check All That Apply)			
☐	Site Safety Personnel	☐	Decontamination Procedures
☐	Site/Work Area Description	☐	Emergency Response/Equipment
☐	Physical Hazards	☐	On-Site Injuries/Illnesses
☐	Chemical/Biological Hazards	☐	Reporting Procedures
☐	Heat/Cold Stress	☐	Directions to Medical Facility
☐	Work/Support Zones	☐	Drug and Alcohol Policies
☐	PPE	☐	Medical Monitoring
☐	Safe Work Practices	☐	Evacuation/Egress Procedures
☐	Air Monitoring	☐	Communications
☐	Task Training	☐	Confined Spaces
☐	MEC Precautions	☐	Team Separation
☐	Emergency Landing Zones	☐	Other:

5. Remarks:

CONTRACTOR SAFETY SELF- EVALUATION CHECKLIST

PWD/ROICC/OICC/FSC OFFICE:	DATE:	FINAL OVERALL SCORE:
CONTRACTOR:	CONTRACT% COMPLETE:	TOTAL MONTHLY MAN-HOURS:
CONTRACT TITLE:	QC MANAGER:	TOTAL CUMULATIVE MAN-HOURS:
SUPERINTENDENT:	PERSON COMPLETING INSPECTION:	
SITE SAFETY HEALTH OFFICER (SSHO):	SSHO LEVEL: (CIRCLE REQUIRED LEVEL) (1), (2), (3), (4), (5), (6)	

QUESTIONS ANSWERED "NO" ARE BE ENTERED INTO THE SITE SAFETY AND OCCUPATIONAL HEALTH DEFICIENCY TRACKING SYSTEM FOR CORRECTION (REFER TO EM 385-1-1 01.A.12.d)

PREPARATORY PHASE/ ORM PLANNING		
1	(Yes) (No) (N/A)	ACCEPTED ACCIDENT PREVENTION PLAN (APP) OR ABBREVIATED (APP) ON-SITE and UPDATED TO REFLECT CURRENT MANAGEMENT?
2	(Yes) (No) (N/A)	APPLICABLE UFGS 013526 AVAILABLE IN SITE ?
3	(Yes) (No) (N/A)	COMPETENT PERSON EMPLOYED FULL TIME AS SITE SAFETY AND HEALTH OFFICER (SSH0) UNLESS SPECIFIED DIFFERENTLY IN THE CONTRACT ?
4	(Yes) (No) (N/A)	SSHO ON - SITE AT ALL TIMES WHEN WORK IS BEING PERFORMED ?
5	(Yes) (No) (N/A)	SAFETY INSPECTIONS/AUDITS CONDUCTED BY COMPETENT PERSON, OF THE WORK SITE, MATERIAL, AND EQUIPMENT DOCUMENTED IN WRITING AND AVAILABLE ON REQUEST?
6	(Yes) (No) (N/A)	SAFETY AND HEALTH BULLETIN BOARD ERECTED IN AREA COMMONLY ACCESSED AND IN CLEAR VIEW OF THE ON-SITE WORKERS?
7	(Yes) (No) (N/A)	SAFETY AND OCCUPATIONAL HEALTH DEFICIENCY TRACKING SYSTEM ESTABLISHED and UPDATED DAILY (REFER TO EM 385-1-1 01.A.12.d)?
8	(Yes) (No) (N/A)	QUALIFIED PERSON CONDUCTING/DOCUMENTING ALL TRAINING, MEETINGS AND INDOCTRINATION FOR NEW EMPLOYEES?
9	(Yes) (No) (N/A)	ACTIVITY HAZARD ANALYSIS (AHA) with COMPETENT PERSON IDENTIFIED and PROOF OF QUALIFICATIONS ATTACHED and ACCEPTED BY GOVERNMENT DESIGNATED AUTHORITY FOR EACH WORK ACTIVITY ON SITE?
10	(Yes) (No) (N/A)	WORK NOT STARTED UNTIL ACTIVITY HAZARD ANALYSIS REVIEWED BY CONTRACTOR, SUBCONTRACTOR(S) AND GOVERNMENT ON-SITE REPRESENTATIVES DURING PREPARATION and INITIAL PHASE MEETING?
11	(Yes) (No) (N/A)	ARE REQUIRED WEEKLY SAFETY MEETINGS FOR ALL WORKERS TO REVIEW PAST ACTIVITES, PLAN FOR NEW OR CHANGED OPERATIONS, REVIEW ahA'S BY TRADE, ESTABLISH SAFE WORKING PROCUDRES FOR UPCOMING HAZARDS, PROVIDE SAFETY AND HEALTH TRAINING BEING HELD AND DOCUMENTED?
12	(Yes) (No) (N/A)	ARE REQUIRED MONTHLY SAFETY MEETINGS FOR ALL SUPERVISORS ON THE PROJECT LOCATION TO REVIEW PAST ACTIVITES, PLAN FOR NEW OR CHANGED OPERATIONS, REVIEW ahA'S BY TRADE, ESTABLISH SAFE WORKING PROCUDRES FOR UPCOMING HAZARDS, PROVIDE SAFETY AND HEALTH TRAINING BEING HELD AND DOCUMENTED?
13	(Yes) (No) (N/A)	WRITTEN HAZARD COMMUNICATION PROGRAM SUBMITTED and IMPLEMENTED IAW EM 385 SECTION 06.B.01 ?
14	(Yes) (No) (N/A)	MSDS FOR EACH HAZARDOUS SUBSTANCE MAINTAINED WITH SITE MAP ATTACHED?
15	(Yes) (No) (N/A)	PRIME CONTRACTOR ASSURING SUBCONTRACTOR COMPLIANCE WITH REQUIREMENTS OF EM-385-1-1?
		Other? Extra Credit?
OFFICE TRAILER/SIGNAGE/GENERAL		
16	(Yes) (No) (N/A)	OFFICE AND STORAGE TRAILERS ANCHORED?
17	(Yes) (No) (N/A)	EMERGENCY PHONE NUMBERS POSTED?
18	(Yes) (No) (N/A)	TEMPORARY PROJECT FENCING WHICH EXTENDS FROM GRADE LEVEL TO A MINIMUM OF 48IN. ABOVE GRADE? (UNLESS GDA DETERMINES OTHERWISE BASED ON RISK ANALYSIS)
19	(Yes) (No) (N/A)	SIGNS WARNING OF THE PRESENCE OF CONSTRUCTION HAZARDS AND REQUIRING UNAUTHORIZED PERSONS TO KEEP OUT POSTED ON THE FENCING EVERY 150 FEET?
20	(Yes) (No) (N/A)	CONTRACTOR AWARE OF IMMEDIATE NOTIFICATION FOR ALL INJURIES REQUIRED BY PWD/ROICC/OICC/FSC OFFICE?
21	(Yes) (No) (N/A)	EMERGENCY PLANS IN CASE OF FIRE OR OTHER EMERGENCY PREPARED IN WRITING AND REVIEWED?
22	(Yes) (No) (N/A)	DRINKING WATER WITH DISPOSABLE CUPS AND A WASTE RECEPTACLE AVAILABLE?
23	(Yes) (No) (N/A)	TOILET FACILITIES WITH WASHING FACILITIES AVAILABLE?
24	(Yes) (No) (N/A)	HIGHLY VISIBLE MAP DELINEATING BEST ROUTE TO NEAREST MEDICAL FACILITY POSTED ON SAFETY BULLETIN BOARD?
25	(Yes) (No) (N/A)	FIRST-AID KIT, TYPE III, 16 UNIT, and ONE POCKET MOUTH PIECE OR CPR BARRIER PROVIDED AND MAINTAINED WITH INVENTORY LOG AVAILABLE?
26	(Yes) (No) (N/A)	ALL EMPLOYEES ON SITE WEARING AS A MINIMUM SHORT SLEEVE SHIRT, LONG PANTS, LEATHER OR OTHER PROTECTIVE WORK SHOES OR BOOTS
27	(Yes) (No) (N/A)	EVERY FLOOR, WORKING PLACE AND PASSAGEWAY KEPT FREE FROM PROTRUDING NAILS, SPLINTERS, LOOSE BOARDS, CLUTTER AND UNNECESSARY HOLES AND OPENING?
28	(Yes) (No) (N/A)	WORK AREAS INSPECTED DAILY FOR ADEQUATE HOUSEKEEPING AND RECORDED ON DAILY SAFETY INSPECTION REPORT?
29	(Yes) (No) (N/A)	TRAFFIC CONTROL AROUND SITE ADEQUATE?
		Other? Extra Credit?
FIRE PREVENTION		
30	(Yes) (No) (N/A)	WRITTEN FIRE PREVENTION PLAN ON SITE AND USED TO BRIEF EMPLOYEES?
31	(Yes) (No) (N/A)	FIRE EXTINGUISHERS AVAILABLE, FULLY CHARGED, EASILY VISIBLE WITHIN 75 FEET FOR LOW HAZARD AREAS?
32	(Yes) (No) (N/A)	FIRE EXTINGUISHERS INSPECTED MONTHLY, RECORDED ON TAGS, AND INITIALED?
33	(Yes) (No) (N/A)	FUEL STORED IN SAFETY CANS LABELED/LISTED and PAINTED RED WITH YELLOW BAND AND CONTENTS INDICATED?
34	(Yes) (No) (N/A)	ARE HOT WORK PERMITS BEING OBTAINED FOR WELDING, CUTTING OR OPERATING OTHER FLAME-PRODUCING/SPARK PRODUCING DEVICES FROM THE FIRE DEPARTMENT?
35	(Yes) (No) (N/A)	ARE FIRE WATCHES PROVIDED?
		Other? Extra Credit?
PPE		
36	(Yes) (No) (N/A)	WORKERS WEARING SAFETY-TOED LEATHER SHOES OR BOOTS MEETING ASTM F 2412 - 05 AND F 2413 - 05 ?
37	(Yes) (No) (N/A)	HARD HATS BEING WORN PROPERLY AND MEETING ANSI Z89.1?
38	(Yes) (No) (N/A)	ARE WORKERS INVOLVED IN ACTIVITIES THAT SUBJECT HANDS TO INJURY USING HAND PROTECTION APPROPRIATE FOR THE HAZARD?
39	(Yes) (No) (N/A)	SAFETY GLASSES USED WHERE APPROPRIATE?
40	(Yes) (No) (N/A)	HEARING PROTECTION WHERE APPROPRIATE? (IF YOU NEED TO YELL TO CONVERSE HEARING PROTECTION IS REQUIRED)
41	(Yes) (No) (N/A)	WORKERS WEARING RESPIRATORS WHERE APPROPRIATE?
42	(Yes) (No) (N/A)	IMPALEMENT PROTECTION PROVIDED WHERE PERSONNEL COULD WORK ABOVE VERTICAL IMPALEMENT HAZARD (Rebar etc.)?
43	(Yes) (No) (N/A)	ARE PROTECTIVE LEG CHAPS WORN BY WORKERS WHO OPERATE CHAIN SAWS?
44	(Yes) (No) (N/A)	HIGH VISIBILITY APPAREL BEING WORN WHEN WORKERS ON SITE ARE EXPOSED TO VEHICULAR OR EQUIPMENT TRAFFIC AT UP TO 45 MPH, THERE IS LIMITED OR REDUCED VISIBILITY FOR WORKERS AROUND MOBILE/HEAVY EQUIPMENT OR WORKERS ARE WORKING CLOSE TO VEHICULAR TRAFFIC WITH NO PROTECTIVE BARRIERS?
		OTHER? EXTRA CREDIT?

JH

SCAFFOLD SAFETY		
45	(Yes) (No) (N/A)	HAS A SITE-SPECIFIC FALL PROTECTION AND PREVENTION PLAN and AHA BEEN ACCEPTED BY THE GDA PRIOR TO COMMENCING WORK IN ELEVATED AREAS?
46	(Yes) (No) (N/A)	ALL ERECTION, MOVING, DISMANTLING, OR ALTERING OF SCAFFOLD SYSTEMS UNDER THE SUPERVISION OF A COMPETENT PERSON?
47	(Yes) (No) (N/A)	COMPETENT PERSON USING A COLOR-CODED TAGGING SYSTEM? (GREEN = INSPECTED & SAFE TO USE) (RED = SCAFF0OLD IS UNSAFE TO USE)
48	(Yes) (No) (N/A)	PLANKS OVERLAPPED NOT LESS THAN 6" OR MORE THAN 12" OVER END SUPPORTS WITH TOE BOARDS IN PLACE?
49	(Yes) (No) (N/A)	SCAFFOLD PINNED PROPERLY AND ALL CROSS BRACING IN PLACE?
50	(Yes) (No) (N/A)	SCAFFOLD HEIGHT 4 TIMES SMALLEST BASE DIMENSION AND SYSTEM IS SECURED TO STRUCTURE?
51	(Yes) (No) (N/A)	ALL GUARDRAILS ARE IN PLACE?
52	(Yes) (No) (N/A)	FULL WORK PLATFORM OR DECKS AT EACH WORKING LEVEL WITH NO CRACKS/SPLITS?
53	(Yes) (No) (N/A)	WORK PLATFORM OR DECK SECURELY FASTENED TO THE SCAFFOLD?
54	(Yes) (No) (N/A)	SAFE ACCESS PROVIDED TO EACH WORKING LEVEL?
55	(Yes) (No) (N/A)	IS SCAFFOLD SYSTEM PLUMB AND LEVEL?
56	(Yes) (No) (N/A)	SUSPENDED SCAFFOLD SYSTEMS USING INDEPENDENT PERSONAL FALL ARREST SYSTEM?
57	(Yes) (No) (N/A)	PERSONNEL PROHIBITED FROM RIDING ON MANUALLY PROPELLED SCAFFOLDS?
		Other? Extra Credit?
FALL PROTECTION		
58	(Yes) (No) (N/A)	HAS SITE-SPECIFIC FALL PROTECTION AND PREVENTION PLAN BEEN ACCEPTED?
59	(Yes) (No) (N/A)	WORKERS USING FALL PROTECTION EQUIPMENT USING "BUDDY SYSTEM" T0 BEGIN RESCUE OF FALLEN WORKER IF REQUIRED
60	(Yes) (No) (N/A)	ALL WORKERS ABOVE 6 FOOT FALL PROTECTION THRESHOLD PROTECTED FROM FALLING TO LOWER LEVEL?
61	(Yes) (No) (N/A)	ARE EMPLOYEES TRAINED FOR FALL PROTECTION SYSTEMS IN USE?
62	(Yes) (No) (N/A)	HAS THE CONTRACTOR DESIGNATED A COMPETENT PERSON FOR FALL PROTECTION?
63	(Yes) (No) (N/A)	IS A WRITTEN RESCUE PLAN (IAW ANSI Z359.2) BEEN PREPARED AND MAINTAINED WHEN WORKERS ARE WORKING AT HEIGHTS ?
64	(Yes) (No) (N/A)	IS A FULL BODY HARNESS USED?
65	(Yes) (No) (N/A)	ALL WORKERS ALOFT TIED OFF AT ALL TIMES (100%) TO STRUCTURAL ELEMENT CAPABLE OF SUPPORTING 5,000 LBS?
66	(Yes) (No) (N/A)	HAVE STANDARD GUARDRAILS BEEN PROVIDED WHERE NEEDED?
67	(Yes) (No) (N/A)	ACCESS TO WORK AREAS GREATER THAN 20 FEET HIGH PROVIDED WITH A STAIR SYSTEM?
68	(Yes) (No) (N/A)	HAVE HORIZONTAL LIFE LINES IF USED BEEN DESIGNED AND INSTALLED UNDER SUPERVISION OF A QUALIFIED PERSON?
		OTHER? EXTRA CREDIT?
LADDER SAFETY		
69	(Yes) (No) (N/A)	LADDERS EXTEND 3' ABOVE LANDING PLATFORM AND TIED TO STRUCTURE?
70	(Yes) (No) (N/A)	ARE LADDERS USED WITH HAND TOOLS ONLY?
71	(Yes) (No) (N/A)	ARE LADDER BASE DISTANCES FROM STRUCTURE 1/4 HEIGHT?
72	(Yes) (No) (N/A)	ALL FLOOR OPENINGS EITHER COVERED OR SURROUNDED BY A GUARDRAIL?
73	(Yes) (No) (N/A)	ELECTRICIANS NOT USING CONDUCTIVE LADDERS?
74	(Yes) (No) (N/A)	STAIRWAYS PROVIDED ON ALL STRUCTURES OVER 20' DURING CONSTRUCTION/WITH GUARDRAIL?
75	(Yes) (No) (N/A)	ALL FLIGHTS OF STAIRS WITH 4 OR MORE RISERS HAVE STANDARD STAIR RAILINGS OR HANDRAILS
76	(Yes) (No) (N/A)	PORTABLE STEP LADDERS OVER 20' NOT USED ON THE SITE?
77	(Yes) (No) (N/A)	ARE LADDERS PROPERLY USED?
		OTHER? EXTRA CREDIT?
EXCAVATIONS		
78	(Yes) (No) (N/A)	HAS EXCAVATION/TRENCHING PLAN IN ACCORDANCE WITH (SECTION 25.A.01 a - n) BEEN SUBMITTED AND ACCEPTED BY THE GDA PRIOR TO BEGINNING OPERATIONS?
79	(Yes) (No) (N/A)	COMPETENT PERSON ABLE TO DEMONSTRATE TRAINING, EXPERIENCE AND KNOWLEDGE OF SOIL ANALYSIS: PROTECTIVE SYSTEMS AND REQUIREMENTS OF 29 CFR 1926 SUBPART P AND HAS AUTHORITY TO STOP WORK WHEN REQUIRED?
80	(Yes) (No) (N/A)	COMPETENT PERSON INSPECTED AND DOCUMENTED EXCAVATION DAILY?
81	(Yes) (No) (N/A)	HIGH VISIBILITY APPAREL WORN BY ALL WORKERS EXPOSED TO VEHICLE TRAFFIC OR WORKING AROUND EQUIPMENT
82	(Yes) (No) (N/A)	HYDRAULIC EXCAVATORS, WHEEL/TRUCK/BACKHOE LOADERS USED TO TRANSPORT OR HOIST LOADS WITH RIGGING COMPLY WITH EM 385 SECTION 16 "S" AND HAVE AHA SPECIFIC TO THESE OPERATIONS?
83	(Yes) (No) (N/A)	WRITTEN PROOF OF QUALIFICATION OF EQUIPMENT OPERATORS, RIGGERS INVOLVED IN HOISTING, TRANSPORTING OPERATIONS?
84	(Yes) (No) (N/A)	OPERATIONAL TEST PERFORMED AS DESCRIBED IN 16.F?
85	(Yes) (No) (N/A)	MANUFACTURERS OPERATING MANUAL WITH EQUIPMENT?
86	(Yes) (No) (N/A)	PROPER USE OF RIGGING, INCLUDING POSITIVE LATCHING DEVICES?
87	(Yes) (No) (N/A)	INSPECTION OF RIGGING
88	(Yes) (No) (N/A)	BARRICADE SWING RADIUS OF EQUIPMENT AND LOAD?
89	(Yes) (No) (N/A)	OVER 4' DEEP MUST HAVE A LADDER WITHIN 25' AND TWO MEANS OF EGRESS?
90	(Yes) (No) (N/A)	HAS PROPER SLOPE OR TRENCH BOX/SHORING BEEN PROVIDED?
91	(Yes) (No) (N/A)	IS WATER CONTROLLED/REMOVED?
92	(Yes) (No) (N/A)	IS EXCAVATED MATERIAL AT LEAST 2' BACK FROM TRENCH EDGE?
93	(Yes) (No) (N/A)	HAS SAFE ACCESS/PROTECTION BEEN PROVIDED TO PREVENT PERSONNEL, VEHICLES, AND EQUIPMENT FROM FALLING INTO EXCAVATIONS?
94	(Yes) (No) (N/A)	PERIMETER PROTECTION THAT MEETS CLASS I or CLASS II or CLASS III REQUIREMENTS PROVIDED?
		OTHER? EXTRA CREDIT?

ELECTRICAL		
95	(Yes) (No) (N/A)	HAS A SKETCH OF TEMPORARY POWER DISTRIBUTION SYSTEMS BEEN SUBMITTED /ACCEPTED BY GDA?
96	(Yes) (No) (N/A)	ELECTRICAL WORK PERFORMED BY QUALIFIED PERSONNEL WITH VERIFIABLE CREDENTIALS?
97	(Yes) (No) (N/A)	ENERGIZED WORK PERMIT SUBMITTED TO GDA PRIOR TO ANY WORK ON ENERGIZED LINES ON EQUIPMENT AND IAW NFPA70E AND EM 385 I.E.. 02 C(1) - (8)
98	(Yes) (No) (N/A)	ARE ARC FLASH REQUIREMENTS KNOWN AND ADHERED TO?
99	(Yes) (No) (N/A)	ARE TEMPORARY POWER PANEL AND RECEPTACLES PROTECTED FROM WEATHER?
100	(Yes) (No) (N/A)	GFCI'S IN USE FOR SITE TOOLS - APPLIES TO EXISTING OUTLETS IN RENOVATION PROJECTS AS WELL?
101	(Yes) (No) (N/A)	TEMPORARY LIGHTS INSULATED FROM SUPPORTS PROPERLY WITH ALL LAMPS WORKING AND GUARDED?
102	(Yes) (No) (N/A)	OVERHEAD POWER LINES IN AREA, OPERATIONS PROHIBITED UNLESS MAINTAINING PROPER CLEARANCE DISTANCES?
103	(Yes) (No) (N/A)	HAS HAZARDOUS ENERGY CONTROL PROGRAM BEEN SUBMITTED AND ACCEPTED BY GDA? (OLD LOCK OUT/TAG OUT)
104	(Yes) (No) (N/A)	VERTICAL CLEARANCE OF TEMPORARY WIRING OF AT LEAST 10 FEET MAINTAINED ?
105	(Yes) (No) (N/A)	ALL FLEXIBLE CORDS INSPECTED AT LEAST DAILY? DOCUMENTED?
106	(Yes) (No) (N/A)	FLEXIBLE CORDS NOT SPLICED EXCEPT HARD SERVICE CORDS # 12 OR LARGER WITH MOLDED OR VULCANIZED SPLICES BY QUALIFIED ELECTRICIAN?
		OTHER? EXTRA CREDIT?
CRANES		
107	(Yes) (No) (N/A)	BEFORE CRANE/HOISTING EQUIPMENT IS PLACED IN SERVICE HAS IT BEEN INSPECTED, TESTED, AND CERTIFIED IN WRITING BY A COMPETENT PERSON TO BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION AND THE REQUIREMENTS OF EM 385?
108	(Yes) (No) (N/A)	CRANE OPERATOR DESIGNATED QUALIFIED AND PROOF OF QUALIFICATION IN WRITING PROVIDED TO THE GDA?
109	(Yes) (No) (N/A)	PROJECT HAS ADEQUATE MEANS FOR MONITORING LOCAL WEATHER CONDITIONS, INCLUDING A WIND-INDICATING DEVICE?
110	(Yes) (No) (N/A)	ARE EM 385-1-1 16.D.08 (AT THE BEGINNING OF EACH SHIFT) START UP INSPECTIONS PERFORMED BY OPERATOR AND SUBMITTED WITH DRI?
111	(Yes) (No) (N/A)	HAS THE PERIODIC INSPECTION BEEN PERFORMED PRIOR TO USE ON SITE IAW EM 385-1-1, TABLE 16-1 AND 16.D.10?
112	(Yes) (No) (N/A)	IS CRANE EQUIPPED WITH ANTI TWO-BLOCK DEVICE IF REQUIRED?
113	(Yes) (No) (N/A)	IS THE CRANE LEVEL AND ON FIRM GROUND AND OUTRIGGERS IN USE WITH APPROPRIATE CRIBBING?
114	(Yes) (No) (N/A)	IAW 16.G.09 WHEN CRANE IS OPERATED WITHIN 20 FOOT OF POWER LINES (OPERATING WORK ZONE IS AREA 360 DEGREES AROUND CRANE) HAS A DETERMINATION BEEN MADE THAT ALL POWER LINES ARE ENERGIZED?
115	(Yes) (No) (N/A)	IAW TABLE 16-3 CRANE NOT ALLOWED TO WORK CLOSER THAN 10 FOOT OF ENERGIZED POWER LINES (DEPENDING ON ACTUAL VOLTAGE OF LINES
116	(Yes) (No) (N/A)	IS CRANE SIDE LOADING PROHIBITED?
117	(Yes) (No) (N/A)	ARE RIGGING CABLES AND SLINGS INSPECTED BY A COMPETENT PERSON BEFORE EACH SHIFT?
118	(Yes) (No) (N/A)	ARE WORKERS PROTECTED FROM THE CRANE SWING RADIUS AND PREVENTED FROM PASSING UNDER THE LOAD?
		OTHER? EXTRA CREDIT?
CONFINED SPACE		
119	(Yes) (No) (N/A)	ALL CONFINED SPACE WORK IAW EM 385 SECTION 34.A.06?
120	(Yes) (No) (N/A)	IS CONFINED SPACE COMPETENT PERSON (CSCP), IN WRITING, IDENTIFIED?
121	(Yes) (No) (N/A)	IS ATMOSPHERE BEING MONITORED?
122	(Yes) (No) (N/A)	IS SPACE BEING VENTILATED?
123	(Yes) (No) (N/A)	ARE ENTRANTS, ATTENDANTS AND ENTRY SUPERVISOR PROPERLY TRAINED?
124	(Yes) (No) (N/A)	IS RESCUE/RETRIEVAL SYSTEM IN PLACE FOR PERMIT REQUIRED CONFINED PLACES?
125	(Yes) (No) (N/A)	ARE ENTRY PERMITS POSTED AT POINT OF ENTRY AND SIGNED BY ENTRY SUPERVISOR?
126	(Yes) (No) (N/A)	IS THE POINT OF ENTRY POSTED "DANGER CONFINED SPACE"?
127	(Yes) (No) (N/A)	HAS BLANKING OR LOCKING OUT OF SYSTEMS TAKEN PLACE?
		OTHER? EXTRA CREDIT?
ROOFING		
128	(Yes) (No) (N/A)	HAS STRUCTURAL ANALYSIS OF THE ROOF BEEN CONDUCTED BY A QUALIFIED PERSON ?
129	(Yes) (No) (N/A)	HAS COMPETENT PERSON COMPLETED A DAILY INSPECTION?
130	(Yes) (No) (N/A)	HAS COMPETENT PERSON DEVELOPED A FALL PROTECTION PLAN, SUBMITTED/ACCEPTED BY GDA?
131	(Yes) (No) (N/A)	ARE KETTLES AT LEAST 25 FEET AWAY FROM BUILDINGS?
132	(Yes) (No) (N/A)	IS KETTLE ATTENDANT WEARING PROPER PPE AT ALL TIMES?
133	(Yes) (No) (N/A)	ARE TWO FIRE EXTINGUISHERS AT THE KETTLE?
134	(Yes) (No) (N/A)	ARE SKYLIGHTS AND ROOF PENETRATIONS COVERED OR BARRICADED APPROPRIATELY?
135	(Yes) (No) (N/A)	HAS THE ROOF BEEN EVALUATED FOR ITS ABILITY TO SUPPORT THE INTENDED CONSTRUCTION LOADS?
136	(Yes) (No) (N/A)	IF WARNING LINES ON LOW SLOPED ROOFS ARE USED, ARE THEY PROPERLY INSTALLED/MAINTAINED?
137	(Yes) (No) (N/A)	ARE FUEL CYLINDERS A MINIMUM OF 10' FROM OPEN FLAME?
		OTHER? EXTRA CREDIT?
EQUIPMENT		
138	(Yes) (No) (N/A)	ALL MACHINERY OR EQUIPMENT INSPECTED DAILY, WHEN IN USE, BY COMPETENT PERSONS?
139	(Yes) (No) (N/A)	ARE OPERATORS TRAINED AND AUTHORIZED TO OPERATE POWERED INDUSTRIAL TRUCKS, LIFT TRUCKS, AND SIMILAR EQUIPMENT?
140	(Yes) (No) (N/A)	MOBILE EQUIPMENT EQUIPPED WITH BACKUP ALARMS? ROLLOVER CAGES/ MOVING PARTS ADEQUATELY GUARDED?
141	(Yes) (No) (N/A)	ARE EQUIPMENT OPERATIONS MAINTAINING SAFE CLEARANCE FROM ELECTRICAL POWER LINES?
142	(Yes) (No) (N/A)	MODIFICATIONS MEET MANUFACTURER INSTRUCTIONS (I.E., LIFTING PERSONNEL WITH FORKLIFT - (NOT ALLOWED BY MANY MANUFACTURERS)?
143	(Yes) (No) (N/A)	ARE SAFETY LASHINGS PROVIDED FOR HIGH PRESSURE HOSE CONNECTIONS, I.E., AIR COMPRESSORS?
144	(Yes) (No) (N/A)	ARE WORKERS CLEAR OF BLIND SPOTS ASSOCIATED WITH MOBILE CONSTRUCTION EQUIPMENT?
145	(Yes) (No) (N/A)	ARE DAILY WALK AROUND INSPECTIONS OF AERIAL LIFTS PERFORMED AND DOCUMENTED BY QUALIFIED OPERATORS?
146	(Yes) (No) (N/A)	DO AERIAL LIFTS HAVE BASKET/PLATFORM WITH GUARDRAIL?
147	(Yes) (No) (N/A)	WORKERS NOT EXTENDING OVER GUARDRAIL OF AERIAL LIFTS?
148	(Yes) (No) (N/A)	ARE ARTICULATING BOOM PLATFORMS (JLG TYPE) USED WITH FULL BODY HARNESS ATTACHED TO PROPER ATTACHMENT POINTS ON BOOM OR BASKET?
149	(Yes) (No) (N/A)	ARE DUMP TRUCK CHECKLISTS BEING USED AND COPIES KEPT ON SITE?
150	(Yes) (No) (N/A)	INSPECTION, MAINTENANCE, AND REPAIRS TO CONVEYORS PERFORMED IAW MANUFACTURER'S RECOMMENDATIONS BY QUALIFIED PERSONNEL?
151	(Yes) (No) (N/A)	EXPOSED MOVING MACHINERY PARTS MECHANICALLY OR ELECTRICALLY GUARDED?
152	(Yes) (No) (N/A)	WHEN TWO OR MORE CONVEYING SYSTEMS ARE INTERFACED ARE ADEQUATE GUARDING AND SAFETY DEVICES IN PLACE?
		OTHER? EXTRA CREDIT?

TREE MAINTENANCE AND REMOVAL		
153	(Yes) (No) (N/A)	ALL TREE MAINTENANCE OR REMOVAL PERFORMED UNDER THE DIRECTION OF A QUALIFIED TREE WORKER?
154	(Yes) (No) (N/A)	ONLY QUALIFIED LINE-CLEARANCE TREE TRIMMER OR LINE-CLEARANCE TRAINEE ASSIGNED TO WORK IN CLOSE PROXIMITY TO ELECTRICAL HAZARDS?
155	(Yes) (No) (N/A)	TREE WORKERS IN A BUCKET OR WORK PLATFORM USING FALL PROTECTION
156	(Yes) (No) (N/A)	ALL TREE WORK OPERATIONS ABOVE 12 FOOT HAVE A 2ND WORKER IN THE AREA
157	(Yes) (No) (N/A)	PRIOR TO FELLING OPERATIONS HAS WORK AREA BEEN CLEARED AND ESCAPE ROUTE PLANNED?
158	(Yes) (No) (N/A)	ALL EMPLOYEES WORKING FROM THE UPHILL SIDE WHENEVER POSSIBLE?
DEMOLITION		
159	(Yes) (No) (N/A)	HAS DEMOLITION PLAN, BASED ON ENGINEERING, LEAD, AND ASBESTOS SURVEY BY A REGISTERED PROFESSIONAL ENGINEER BEEN ACCEPTED?
160	(Yes) (No) (N/A)	WASTE NOT BEING DROPPED > 6' UNLESS IN AN ENCLOSED CHUTE AND AREA SECURED FROM TRAFFIC?
161	(Yes) (No) (N/A)	FOR BUILDING DEMOLITION, HAS NOTIFICATION BEEN MADE TO STATE HAVING JURISDICTION?
162	(Yes) (No) (N/A)	ARE NAILS REMOVED FROM SCRAP LUMBER/MATERIALS?
163	(Yes) (No) (N/A)	FRAGMENTATION OF GLASS CONTROLLED?
164	(Yes) (No) (N/A)	MATERIAL CHUTES AT AN ANGLE GREATER THAN 45º FROM THE HORIZONTAL ENCLOSED?
		OTHER? EXTRA CREDIT?
ABATEMENT		
165	(Yes) (No) (N/A)	HAS ABATEMENT PLAN BEEN SUBMITTED AND ACCEPTED?
166	(Yes) (No) (N/A)	IS INDEPENDENT AIR MONITORING BEING PERFORMED AS REQUIRED INSIDE AND OUTSIDE BARRIERS?
167	(Yes) (No) (N/A)	IS CONTAINMENT IN PLACE WITHOUT INTEGRITY COMPROMISE?
168	(Yes) (No) (N/A)	ARE EMPLOYEES UTILIZING APPROPRIATE PPE?
169	(Yes) (No) (N/A)	IF NEGATIVE AIR IS USED, ARE FANS USED CONTINUOUSLY AND MONITORED FOR PRESSURE DIFFERENTIAL?
170	(Yes) (No) (N/A)	HAS BASELINE BEEN PERFORMED AND NECESSARY FINAL CLEARANCE READINGS TAKEN?
171	(Yes) (No) (N/A)	ARE INSPECTIONS BY INDEPENDENT PQP PERFORMED PRIOR TO BARRIER REMOVAL?
172	(Yes) (No) (N/A)	IS WASTE MATERIAL PROPERLY CONTAINERIZED AND STORED?
173	(Yes) (No) (N/A)	ARE AIR MONITORING RESULTS PROVIDED TO GDA?
174	(Yes) (No) (N/A)	ARE WASTE SHIPMENT RECORDS PROVIDED TO GDA?
		OTHER? EXTRA CREDIT?
WATERFRONT ACTIVITIES		
175	(Yes) (No) (N/A)	WORK OVER OR NEAR WATER AND THE DISTANCE TO WATER SURFACE IS LESS THAN 25 FEET OR MORE AND THE WATER DEPTH IS LESS THAN 10 FEET ARE FALL PROTECTION REQUIREMENTS FOLLOWED? (PFDs NOT REQUIRED)
176	(Yes) (No) (N/A)	WORK OVER OR NEAR WATER AND THE DISTANCE TO WATER SURFACE IS 25 FEET OR MORE ARE FALL PROTECTION REQUIREMENTS FOLLOWED?
177	(Yes) (No) (N/A)	MARINE FALL PROTECTION RAILING TYPE A or TYPE B PROVIDED FOR VESSEL DECKS 6 FT OR MORE ABOVE ADJACENT DECKS, DOCKS, OR OTHER HARD SURFACES?
178	(Yes) (No) (N/A)	PFD's WORN BY PERSONNEL IN AREAS WHERE DECK PERIMETER IS NOT PRESENT
179	(Yes) (No) (N/A)	IS A RESCUE SKIFF AVAILABLE?
180	(Yes) (No) (N/A)	ARE EMERGENCY LIFE RINGS AVAILABLE?
181	(Yes) (No) (N/A)	IF DIVING OPERATIONS ARE TAKING PLACE, HAS A DIVE PLAN BEEN SUBMITTED AND ACCEPTED BY THE DDC?
182	(Yes) (No) (N/A)	IF DIVING, IS FIRST-AID KIT, OXYGEN RESUSCITATION SYSTEM, (30 MINUTE SUPPLY), AND A STOKES LITTER OR BACKBOARD WITH FLOATATION CAPABILITY ON SITE?
183	(Yes) (No) (N/A)	DOES DIVE TEAM CONSIST OF PROPER NUMBER AND QUALIFICATIONS FOR EMPLOYEES?
184	(Yes) (No) (N/A)	HAND RAILS USED FOR FALL PROTECTION ON ALL MARINE VESSELS FOR CONTRACTS AWARDED SINCE MARCH 2007
185	(Yes) (No) (N/A)	MARINE (VESSEL) DECKS 6 FEET OR MORE ABOVE OTHER SURFACES HAVE TYPE A OR TYPE B FALL PROTECTION PROVIDED?
		OTHER? EXTRA CREDIT?
	SCORING: Total applicable for each category = X (where X includes responses for category of "Yes" and "No" but does not include N/A)	
	Total with "Yes" responses for each category = Y * SCORE EQUATION = Y/X *	
	SCORE FOR EACH CATEGORY:	
		1. PREPARATORY PHASE: _____ 7. LADDER SAFETY: _____ 13.EQUIPMENT: _____
		2. OFFICE TRAILER: _____ 8. EXCAVATIONS: _____ 14. TREE MAINTENANCE : _____
		3. FIRE PREVENTION: _____ 9. ELECTRICAL: _____ 15. DEMOLITION: _____
		4. PPE : _____ 10. CRANES: _____ 16: ABATEMENT: _____
		5. SCAFFOLD SAFETY: _____ 11. CONFINED SPACES: _____ 17: WATERFRONT: _____
		6. FALL PROTECTION: 12. ROOFING:
	OVERALL RATING OF CHECKLIST EQUALS LOWEST RATING FOR ANY ONE CATEGORY: _____	
	QUESTIONS ANSWERED "NO" ARE BE ENTERED INTO THE SITE SAFETY & OCCUPATIONAL HEALTH DEFICIENCY TRACKING SYSTEM (REFER TO EM 385-1-1 01.A.12.d)	
		ALTERATION OR CHANGING OF THIS FORM IS NOT AUTHORIZED

COMMENTS:

APPENDIX D. POINTS OF CONTACT

This appendix contains the Points of Contact applicable to the project:

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EMERGENCY REFERENCE
LOCAL POINTS OF CONTACT
ORION STREET SKEET RANGE SOIL REMEDIATION

CONTACT	PHONE NUMBER
Emergency Number for Fire, Police, and Ambulance	9-1-1
Fire Department (non-emergency): Central Station 21 Town Hall Place Brunswick, Maine 04011-2003	(207) 725-5541
Police Department (non-emergency): 28 Federal Street Brunswick, Maine 04011	(207) 725-5521
Mid Coast Hospital	(207) 373-3635
WorkCare	(800) 455-6155 ext. 109
Former NAS Brunswick Point of Contact (POC): Robert Leclerc, P.E. Navy Caretaker Site Office 119 Purinton Road Brunswick, Maine 04011	(207) 406-2290 (207) 263-6736
USA Site Manager – Kenneth Jones	(850) 319-3421
Parsons' Site Engineer – Michael Paonessa	(617) 955-6408
Shaw's Land Clearing – Roy Shaw Kevin Hunt (on-site)	(904) 591-4058 (904) 401-5872
K&K Excavation - Paul Castonguay Greg Begin (on-site)	(207) 754-9868 (207) 240-6387
NAVFAC MIDLANT Remedial Project Manager (RPM): Todd Bober	(215) 897-4911
BRAC PMO NE Environmental Coordinator: Paul Burgio	(215) 897-4903
National Response Center	(800) 424-8802
NORTHERN NEW ENGLAND POISON CENTER	(800) 222-1222

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SITE SPECIFIC CONTACT INFORMATION

Name	Title/Role	Organization	Telephone Number (Optional)	E-Mail Address or Mailing Address
Todd Bober	Remedial Project Manager (RPM)	Navy BRAC PMO E 4911 South Broad Street Philadelphia, PA 19112	215-897-4911	todd.bober@navy.mil
David Barclift	Navy BRAC PMO E Technical Support	Navy BRAC PMO E 4911 South Broad Street Philadelphia, PA 19112	215-897-4913	david.barclift@navy.mil
Paul Burgio	BRAC Environmental Coordinator	Navy BRAC PMO E 4911 South Broad Street Philadelphia, PA 19112	215- 897-4903	paul.burgio@navy.mil
Steve Levesque &	Executive Director Midcoast Regional Redevelopment Authority	MRRA Hangar 6 2 Pegasus St., Suite 1, Unit 200 Brunswick, ME 04011	207-798-6512 207-841-9955 Cell	stevel@mrra.us
Thomas Brubaker	Public Works and Utilities Manager	MRRA 2 Pegasus St., Suite 1, Unit 200 Brunswick, ME 04011	207-607-4189	tomb@mrra.us
Jennifer Wright	Environmental Technical Support	NAVFAC Atlantic Attn: Code EV32 6506 Hampton Blvd Norfolk, VA 23508-1278 Jen (Code EV32JW)	757-322-8428	Jennifer.H.Wright@navy.mil
Joe Gallant	Safety & Construction Oversight Manager	NAVFAC PWD Maine Portsmouth Naval Shipyard Building 65, Floor 2 Portsmouth, NH 03804-5000	207-252-7353	Joseph.gallant@navy.mil
Robert LeClerc	Former NAS Brunswick Point of Contact (POC)	Navy Caretaker Site Office Bldg 53, 119 Purinton Rd Brunswick, ME 04011	207-263-6736	Robert.leclerc@navy.mil
Carolyn LePage	Technical Advisor to BASCE	LePage Environmental Services 731 Hotel Road Auburn, ME 04210	207-777-1049	calepage@roadrunner.com
Denise Clavette	Business Development Manager	Town of Brunswick Dept. of Community & Economic Development 28 Federal Street	207-721-0292	dclavette@brunswick.org

Name	Title/Role	Organization	Telephone Number (Optional)	E-Mail Address or Mailing Address
		Brunswick, ME 04011		
Michael Daly	Remedial Project Manager	US Environmental Protection Agency - Region I OSSR07-3 5 Post Office Square, Suite 100 Boston, MA 02109-3912	617-918-1386	Daly.Mike@epamail.epa.gov
Claudia Sait	Remedial Project Manager	Maine Department of Environmental Protection Bureau of Remediation & Waste Management State House, Station 17 Augusta, ME 04333-0017	207-287-7713	claudia.b.sait@maine.gov
Chris Evans	Project Hydrogeologist	Maine Department of Environmental Protection Bureau of Remediation & Waste Management State House, Station 17 Augusta, ME 04333-0017	207-441-5181	Gordon.C.Evans@maine.gov
Linda Klink	Remedial Contractor PM	Tetra Tech Munitions Response Group 661 Anderson Drive Foster Plaza 7 Pittsburgh, PA 15220	412-921-8650	Linda.klink@tetratech.com
Robert Hierholzer	Remedial Contractor PM	USA Environmental 720 Brooker Creek Boulevard Suite 204 Oldsmar, FL 34677	813-343-6339 813-505-5220 (M)	rhierholzer@usatampa.com

APPENDIX E. SAMPLING AND ANALYSIS PLAN

Reference: NAVFAC Doc # N60087.AR.002445-

Final Tier II Sampling and Analysis Plan, Remedial Investigation of Soils at Munitions Response Program Site – Skeet Range, Former Naval Air Station Brunswick, Brunswick, Maine, Tetra Tech NUS, Inc. December 2011

**** * Complete hard-copy to be provided with the field copy of the Final OSSR WP * ****

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APPENDIX F. OSSR PRE-DESIGN SOIL SAMPLING

This appendix contains the following field records and analytical results for the pre-design soil sampling conducted at the OSSR:

- F-1: Analytical Data Table
- F-2: Data Validation Report
- F-3: Laboratory Data Report Package (CD only)
- F-4: Photo Log
- F-5: Field Soil Sampling Forms.

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APPENDIX F-1. ANALYTICAL DATA TABLE

This appendix has previously been provided electronically and will be included both electronically and in hard copy format with the Final RAWP.

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Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD1-SS200-0003	SKT-PD1-SS201-0003	SKT-PD1-SS202-0003	SKT-PD1-SS203-0003	SKT-PD1-SS204-0003	SKT-PD1-SS205-0003	SKT-PD1-SS206-0003	SKT-PD1-SS207-0003	SKT-PD1-SS208-0003	SKT-PD1-SS209-0003
Lab ID		SG4872-11	SG4872-10	SG4872-9	SG4872-8	SG4872-18	SG4872-17	SG4872-16	SG4872-19	SG4772-5	SG4772-4
Sample Type		SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Date		7/10/2013	7/10/2013	7/10/2013	7/10/2013	7/10/2013	7/10/2013	7/10/2013	7/10/2013	7/8/2013	7/8/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	213 N	30.8 N	281 N	143 N	48 N	82.4 N	223 N	158 N	605	757
Total Solids	%	63	71	62	72	76	69	63	61	72	64

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD1-SS210-0003	SKT-PD1-SS211-0003	SKT-PD1-SS212-0003	SKT-PD1-SS213-0003	SKT-PD1-SS214-0003	SKT-PD1-SS215-0003	SKT-PD1-SS216-0003	SKT-PD1-SS217-0003	SKT-PD1-SS218-0003	SKT-PD1-SS219-0003
Lab ID		SG4772-3	SG4772-6	SG4789-13	SG4789-12	SG4789-14	SG4872-12	SG4875-4	SG4875-5	SG4875-3	SG4875-2
Sample Type		SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Date		7/8/2013	7/9/2013	7/8/2013	7/8/2013	7/8/2013	7/10/2013	7/10/2013	7/10/2013	7/10/2013	7/10/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	744	524	353	30	312	66.1 N	520	15.2	276	410
Total Solids	%	66	77	79	76	73	67	64	90	70	59

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD1-SS220-0003	SKT-PD1-SS221-0003	SKT-PD1-SS222-0003	SKT-PD1-SS223-0003	SKT-PD1-SS223-0003-00	SKT-PD1-SS224-0003	SKT-PD1-SS224-0003-00	SKT-PD1-SS225-0003	SKT-PD1-SS226-0003	SKT-PD1-SS227-0003
Lab ID		SG4772-15	SG4772-9	SG4772-8	SG4772-10	SG4772-11	SG4789-2	SG4789-3	SG4789-1	SG4772-20	SG4872-1
Sample Type		SA	SA	SA	SA	DU	SA	DU	SA	SA	SA
Date		7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/9/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	180	24.9	105	31.9	39.7	118	114	306	161	185 N
Total Solids	%	17	73	52	70	71	70	70	56	76	70

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD1-SS228-0003	SKT-PD1-SS229-0003	SKT-PD1-SS230-0003	SKT-PD1-SS231-0003	SKT-PD1-SS232-0003	SKT-PD1-SS233-0003	SKT-PD1-SS234-0003	SKT-PD1-SS235-0003	SKT-PD1-SS236-0003	SKT-PD1-SS237-0003
Lab ID		SG4772-19	SG4772-16	SG4772-17	SG4772-18	SG4789-18	SG4772-1	SG4772-2	SG4789-19	SG4789-17	SG4789-16
Sample Type		SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Date		7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/8/2013	7/8/2013	7/8/2013	7/8/2013	7/8/2013	7/8/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	260	312	514	554	94.3	1170	1520	761	324	555
Total Solids	%	69	65	67	59	89	68	74	75	82	77

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD1-SS238-0003	SKT-PD1-SS239-0003	SKT-PD1-SS240-0003	SKT-PD1-SS241-0003	SKT-PD1-SS241-0003-00	SKT-PD1-SS242-0003	SKT-PD1-SS243-0003	SKT-PD1-SS244-0003	SKT-PD1-SS245-0003	SKT-PD1-SS246-0003
Lab ID		SG4789-15	SG4789-8	SG4789-7	SG4789-9	SG4789-10	SG4789-11	SG4875-1	SG4772-7	SG4875-6	SG4875-7
Sample Type		SA	SA	SA	SA	DU	SA	SA	SA	SA	SA
Date		7/8/2013	7/8/2013	7/8/2013	7/8/2013	7/8/2013	7/8/2013	7/10/2013	7/9/2013	7/10/2013	7/10/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	44.4	590	475	11.6	12.6	434	34.9	677	305	46.7
Total Solids	%	78	74	73	89	90	84	66	61	82	86

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD1-SS247-0003	SKT-PD1-SS248-0003	SKT-PD1-SS249-0003	SKT-PD1-SS250-0003	SKT-PD1-SS251-0003	SKT-PD1-SS252-0003	SKT-PD1-SS253-0003	SKT-PD1-SS254-0003	SKT-PD1-SS255-0003	SKT-PD1-SS255-0003-00
Lab ID		SG4875-8	SG4872-4	SG4872-7	SG4872-5	SG4872-6	SG4789-5	SG4789-6	SG4789-4	SG4872-13	SG4872-14
Sample Type		SA	SA	SA	SA	SA	SA	SA	SA	SA	DU
Date		7/10/2013	7/9/2013	7/9/2013	7/9/2013	7/9/2013	7/8/2013	7/8/2013	7/8/2013	7/10/2013	7/10/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	330	333 N	253 N	58.4 N	7780 N	206	64.8	70.2	24.8 N	26.1 N
Total Solids	%	80	71	73	80	64	72	78	82	81	80

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD1-SS256-0003	SKT-PD1-SS257-0003	SKT-PD1-SS257-0003-00	SKT-PD1-SS258-0003	SKT-PD1-SS259-0003	SKT-PD1-SS260-0003	SKT-PD1-SS261-0003	SKT-PD1-SS262-0003	SKT-PD1-SS263-0003	SKT-PD2-SS300-0003
Lab ID		SG4872-15	SG4875-9	SG4875-10	SG4872-3	SG4872-2	SG4872-20	SG4772-12	SG4772-14	SG4772-13	SG4790-2
Sample Type		SA	SA	DU	SA	SA	SA	SA	SA	SA	SA
Date		7/10/2013	7/10/2013	7/10/2013	7/9/2013	7/9/2013	7/10/2013	7/9/2013	7/9/2013	7/9/2013	7/8/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	26.7 N	247	234	114 N	62.8 N	205 N	3.5	60.8	132	99.3
Total Solids	%	78	76	78	79	74	64	91	82	54	74

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD2-SS301-0003	SKT-PD2-SS303-0003	SKT-PD2-SS305-0003	SKT-PD2-SS306-0003	SKT-PD2-SS307-0003	SKT-PD2-SS308-0003	SKT-PD2-SS316-0003	SKT-PD2-SS324-0003	SKT-PD2-SS325-0003	SKT-PD2-SS326-0003
Lab ID		SG4790-1	SG4790-5	SG4790-9	SG4790-8	SG4790-7	SG4790-6	SG4876-9	SG4790-15	SG4790-13	SG4876-4
Sample Type		SA	SA	SA	SA	SA	SA	SA	SA	SA	SA
Date		7/8/2013	7/8/2013	7/9/2013	7/8/2013	7/8/2013	7/8/2013	7/10/2013	7/9/2013	7/9/2013	7/9/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD	PD	PD	PD	PD
Analyte	Units										
Lead	mg/Kg	547	61.2	678	274	211	295	194	371	351	54.1
Total Solids	%	78	60	60	76	81	79	67	66	63	75

Table F-1, Appendix F
Pre-Design Surface Soil Data
Orion Street Skeet Range
Former NASB

Site		OSSR	OSSR	OSSR	OSSR	OSSR	OSSR
Sample ID		SKT-PD2-SS329-0003	SKT-PD2-SS329-0003-00	SKT-PD2-SS330-0003	SKT-PD2-SS331-0003	SKT-PD2-SS332-0003	SKT-PD2-SS333-0003
Lab ID		SG5265-1	SG5265-2	SG5265-3	SG5265-4	SG5265-5	SG5265-6
Sample Type		SA	DU	SA	SA	SA	SA
Date		7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013	7/23/2013
Media		Soil	Soil	Soil	Soil	Soil	Soil
Study		PD	PD	PD	PD	PD	PD
Analyte	Units						
Lead	mg/Kg	100	102	938	2140	481	389
Total Solids	%	86	86	86	40	73	66

APPENDIX F-2. DATA VALIDATION REPORT

This appendix has previously been provided electronically and will be included both electronically and in hard copy format with the Final RAWP.

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DATA VALIDATION SUMMARY REPORT

for ninety-seven surface soil samples collected from

NAS Brunswick, Maine
(Orion Street Skeet Range)

Data Validation by: Tammy Chang

Date: 8 August, 2013

Parsons

INTRODUCTION

The following data validation summary report covers ninety-seven (97) surface soil samples and associated field quality control (QC) samples collected from Skeet Range-1 in NAS Brunswick, Maine. Samples were logged in under the following seven Sample Delivery Groups (SDGs): 4772, 4789, 4872, 4875, 4790, 4876, and 5265.

The samples in these seven SDGs were analyzed for total lead. The table below details the sample identification, sample collection date, SDG #, and associated QC samples as they were logged in by the laboratory.

Note that some samples were placed on hold and were not analyzed. These samples that are on hold were collected as Phase II samples, and the project team determined that analysis of the samples were not required. They are listed below since they were logged in by the laboratory.

Date Collected	SDG #	Sample ID	Associated FD/MS/MSD/LD
7/10/2013	4872	NASB-SKT-PD1-SS200-0003	
7/10/2013	4872	NASB-SKT-PD1-SS201-0003	
7/10/2013	4872	NASB-SKT-PD1-SS202-0003	
7/10/2013	4872	NASB-SKT-PD1-SS203-0003	
7/10/2013	4872	NASB-SKT-PD1-SS204-0003	
7/10/2013	4872	NASB-SKT-PD1-SS205-0003	
7/10/2013	4872	NASB-SKT-PD1-SS206-0003	
7/10/2013	4872	NASB-SKT-PD1-SS207-0003	
7/8/2013	4772	NASB-SKT-PD1-SS208-0003	
7/8/2013	4772	NASB-SKT-PD1-SS209-0003	
7/8/2013	4772	NASB-SKT-PD1-SS210-0003	
7/9/2013	4772	NASB-SKT-PD1-SS211-0003	
7/8/2013	4789	NASB-SKT-PD1-SS212-0003	
7/8/2013	4789	NASB-SKT-PD1-SS213-0003	
7/8/2013	4789	NASB-SKT-PD1-SS214-0003	
7/10/2013	4872	NASB-SKT-PD1-SS215-0003	
7/10/2013	4875	NASB-SKT-PD1-SS216-0003	
7/10/2013	4875	NASB-SKT-PD1-SS217-0003	
7/10/2013	4875	NASB-SKT-PD1-SS218-0003	
7/10/2013	4875	NASB-SKT-PD1-SS219-0003	

7/9/2013	4772	NASB-SKT-PD1-SS220-0003	
7/9/2013	4772	NASB-SKT-PD1-SS221-0003	
7/9/2013	4772	NASB-SKT-PD1-SS222-0003	
7/9/2013	4772	NASB-SKT-PD1-SS223-0003	FD: NASB-SKT-PD1-SS223-0003-00, MS/MSD
7/9/2013	4789	NASB-SKT-PD1-SS224-0003	FD: NASB-SKT-PD1-SS224-0003-00, MS/MSD
7/9/2013	4789	NASB-SKT-PD1-SS225-0003	
7/9/2013	4772	NASB-SKT-PD1-SS226-0003	
7/9/2013	4872	NASB-SKT-PD1-SS227-0003	
7/9/2013	4772	NASB-SKT-PD1-SS228-0003	
7/9/2013	4772	NASB-SKT-PD1-SS229-0003	
7/9/2013	4772	NASB-SKT-PD1-SS230-0003	
7/9/2013	4772	NASB-SKT-PD1-SS231-0003	
7/8/2013	4789	NASB-SKT-PD1-SS232-0003	
7/8/2013	4772	NASB-SKT-PD1-SS233-0003	
7/8/2013	4772	NASB-SKT-PD1-SS234-0003	
7/8/2013	4789	NASB-SKT-PD1-SS235-0003	
7/8/2013	4789	NASB-SKT-PD1-SS236-0003	
7/8/2013	4789	NASB-SKT-PD1-SS237-0003	
7/8/2013	4789	NASB-SKT-PD1-SS238-0003	
7/8/2013	4789	NASB-SKT-PD1-SS239-0003	
7/8/2013	4789	NASB-SKT-PD1-SS240-0003	
7/8/2013	4789	NASB-SKT-PD1-SS241-0003	FD: NASB-SKT-PD1-SS241-0003-00, MS/MSD
7/8/2013	4789	NASB-SKT-PD1-SS242-0003	
7/10/2013	4875	NASB-SKT-PD1-SS243-0003	
7/9/2013	4772	NASB-SKT-PD1-SS244-0003	
7/10/2013	4875	NASB-SKT-PD1-SS245-0003	
7/10/2013	4875	NASB-SKT-PD1-SS246-0003	
7/10/2013	4875	NASB-SKT-PD1-SS247-0003	
7/9/2013	4872	NASB-SKT-PD1-SS248-0003	
7/9/2013	4872	NASB-SKT-PD1-SS249-0003	
7/9/2013	4872	NASB-SKT-PD1-SS250-0003	
7/9/2013	4872	NASB-SKT-PD1-SS251-0003	
7/8/2013	4789	NASB-SKT-PD1-SS252-0003	
7/8/2013	4789	NASB-SKT-PD1-SS253-0003	
7/8/2013	4789	NASB-SKT-PD1-SS254-0003	
7/10/2013	4872	NASB-SKT-PD1-SS255-0003	FD: NASB-SKT-PD1-SS255-0003-00, MS/MSD
7/10/2013	4872	NASB-SKT-PD1-SS256-0003	
7/10/2013	4875	NASB-SKT-PD1-SS257-0003	FD: NASB-SKT-PD1-SS257-0003-00, MS/MSD
7/9/2013	4872	NASB-SKT-PD1-SS258-0003	
7/9/2013	4872	NASB-SKT-PD1-SS259-0003	
7/10/2013	4872	NASB-SKT-PD1-SS260-0003	
7/9/2013	4772	NASB-SKT-PD1-SS261-0003	
7/9/2013	4772	NASB-SKT-PD1-SS262-0003	

7/9/2013	4772	NASB-SKT-PD1-SS263-0003	
7/8/2013	4790	NASB-SKT-PD2-SS300-0003	
7/8/2013	4790	NASB-SKT-PD2-SS301-0003	
7/8/2013	4790	NASB-SKT-PD2-SS302-0003	
7/8/2013	4790	NASB-SKT-PD2-SS303-0003	
7/9/2013	4790	NASB-SKT-PD2-SS305-0003	
7/8/2013	4790	NASB-SKT-PD2-SS306-0003	
7/8/2013	4790	NASB-SKT-PD2-SS307-0003	
7/8/2013	4790	NASB-SKT-PD2-SS308-0003	
7/8/2013	4790	NASB-SKT-PD2-SS309-0003	
7/9/2013	4876	NASB-SKT-PD2-SS310-0003	on hold
7/9/2013	4790	NASB-SKT-PD2-SS311-0003	
7/9/2013	4790	NASB-SKT-PD2-SS312-0003	
7/9/2013	4790	NASB-SKT-PD2-SS313-0003	
7/10/2013	4876	NASB-SKT-PD2-SS314-0003	FD: NASB-SKT-PD2-SS314-0003-00, MS/MSD, on hold
7/10/2013	4876	NASB-SKT-PD2-SS315-0003	on hold
7/10/2013	4876	NASB-SKT-PD2-SS316-0003	
7/10/2013	4876	NASB-SKT-PD2-SS317-0003	on hold
7/10/2013	4876	NASB-SKT-PD2-SS318-0003	on hold
7/10/2013	4876	NASB-SKT-PD2-SS319-0003	on hold
7/9/2013	4876	NASB-SKT-PD2-SS320-0003	on hold
7/9/2013	4790	NASB-SKT-PD2-SS321-0003	
7/9/2013	4876	NASB-SKT-PD2-SS322-0003	on hold
7/9/2013	4790	NASB-SKT-PD2-SS323-0003	
7/9/2013	4790	NASB-SKT-PD2-SS324-0003	
7/9/2013	4790	NASB-SKT-PD2-SS325-0003	
7/9/2013	4876	NASB-SKT-PD2-SS326-0003	
7/9/2013	4876	NASB-SKT-PD2-SS327-0003	on hold
7/9/2013	4876	NASB-SKT-PD2-SS328-0003	on hold
7/23/2013	5265	NASB-SKT-PD2-SS329-0003	FD: NASB-SKT-PD2-SS329-0003-00
7/23/2013	5265	NASB-SKT-PD2-SS330-0003	
7/23/2013	5265	NASB-SKT-PD2-SS331-0003	
7/23/2013	5265	NASB-SKT-PD2-SS332-0003	
7/23/2013	5265	NASB-SKT-PD2-SS333-0003	

FD: field duplicate

MS/MSD: matrix spike/matrix spike duplicate

All samples were collected by Parsons in soil jars from July 8 – 23, 2013 and shipped to Katahdin analytical Services, Scarborough, Maine, in multiple coolers with ice. The coolers were received by the laboratory with cooler temperature ranging from 1.2°C to 4.4°C.

The lead analyses were performed following the procedures outlined in the subcontract. All results were reported as dry base.

EXTRACTION AND ANALYTICAL METHODS:

PARAMETER	MATRIX	EXTRACTION METHOD	ANALYTICAL METHOD	UNITS	DRY WEIGHT VS. WET WEIGHT
Lead	Soil	SW846 3050B	SW846 6010C	mg/kg	Dry Weight

SW846 = Test Methods for Evaluating Solid Waste, Physical/Chemical Methods
mg/kg = milligrams per kilogram

EVALUATION CRITERIA

The data submitted by the laboratory have been reviewed and verified following the guidelines outlined in the lab subcontract. Information reviewed in the data packages included sample results; laboratory quality control (QC) results; calibrations; case narratives; raw data; cooler receipt forms, and chain-of-custody (COC) forms. The analyses and findings presented in this report are based on the reviewed information, and whether guidelines in the Depart of Defense (DoD) Quality System Manual (QSM) version 4.2, EPA SW846 methods, and lab subcontract were met.

Criteria for reporting non-detections are as follows: when the analysis demonstrated a non-detect at the Method Detection Limit (MDL), the data were flagged with a "U" and reported as "ND" at the Limit of Detection (LOD). Any value detected between MDL and Limit of Quantitation (LOQ) were reported and flagged with "J".

DoD QSM version 4.2 accuracy and precision criteria for lead are 80-120% Recovery (%R) for laboratory control sample (LCS), MS, and MSD (if sample concentration is < 4 times of spiked amount), the precision criteria of MS/MSD and parent/LD is ≤20% relative percent difference (RPD). The project specific precision criteria for parent and FD is ≤30% RPD when both parent and FD results are > 5 times LOQ.

For serial dilution, if the parent sample result is > 50 times the LOQ, the serial dilution is applicable and the criterion is %D ≤ 10.

For post digestion spike analysis is needed when serial dilution fails or when parent sample result is < 50 times the LOQ. The acceptance criterion is 75 - 125%R.

For method blank (MB), lead should not be detected > ½ of LOQ.

LEAD

The lead analyses were performed using USEPA SW846 Method 6010C. The samples were analyzed following the procedures outlined in the method.

All samples were prepared and analyzed within the holding time required by the method.

The samples for metals analyses were digested in seven analytical batches. All samples were analyzed undiluted except the following:

Field Sample ID	Dilution Factor
SKT-PD1-SS234-0003	2
SKT-PD1-SS251-0003	10
SKT-PD1-SS255-0003	2

Accuracy

Accuracy was evaluated using the %R obtained from the LCS, MS, and MSD.

All LCS recoveries were within acceptance criteria.

All MS/MSD recoveries were within acceptance criteria, except the following:

Parent Sample ID	MS, %R	MSD, %R	Acceptance Criteria, %R
SKT-PD1-SS224-0003	771.5	722.5	80-120
SKT-PD1-SS255-0003	54.4	(101.3)	80-120
SKT-PD1-SS257-0003	205.6	46.2	80-120
SKT-PD1-SS308-0003	189	156	80-120
SKT-PD1-SS329-0003	0	0	80-120

( ) indicate the %R was compliant.

The lead content in the samples SKT-PD1-SS224-0003, SKT-PD1-SS257-0003, SKT-PD1-SS308-0003, and SKT-PD1-SS329-0003, were > 4 times of the spiked amount, therefore, no flagging was required.

"N" flag was applied to the parent sample result of sample SKT-PD1-SS255-0003. Lab applied "N" flags to all samples in the SDG 4872.

Precision

Precision was evaluated based on the %RPD of MS/MSD results. All %RPDs were less than the 20% criterion. Lab calculated the %RPD for the MS/MSD of sample SKT-PD1-SS329-0003 which was > 20% and applied "N" to samples in the SDG 5265. It is the professional opinion of Parsons' data validator, when the parent concentration is >4X of the spike amount, the %RPD calculation is not applicable. Therefore, all "N"s applied by the lab have been removed.

Precision was further evaluated based on the %RPD of parent/FD results:

Parent Sample ID	Parent, mg/kg	FD, mg/kg	%RPD	Criteria, %RPD
SKT-PD1-SS223-0003	31.9	39.7	22	≤30

SKT-PD1-SS224-0003	118	114	3.4	≤30
SKT-PD1-SS241-0003	11.6	12.6	8.3	≤30
SKT-PD1-SS225-0003	24.8	26.1	5.1	≤30
SKT-PD1-SS257-0003	247	234	5.4	≤30
SKT-PD1-SS329-0003	100	102	2.0	≤30

Lab also analyze sample SKT-PD2-SS329-0003 in duplicate.

Parent Sample ID	Parent, mg/kg	FD, mg/kg	%RPD	Criteria, %RPD
SKT-PD2-SS329-0003	100	101	1.0	≤20

Representativeness

Representativeness expresses the degree to which sample data accurately and precisely represent actual site conditions. Representativeness has been evaluated by:

- Comparing the COC procedures to those described in the lab subcontract;
- Comparing actual analytical procedures to those described in the EPA SW6010C;
- Evaluating preservation and holding times; and
- Examining laboratory blanks for cross contamination of samples during analysis.

The samples in this SDG were analyzed following the COC and the analytical procedures described in the lab subcontract. The samples were prepared and analyzed within the holding times required by the method.

- All instrument initial calibration criteria were met.
- All metals met criteria in the low-level check standard.
- All second source criteria were met. The ICVs were prepared using a secondary source.
- All CCV criteria were met.
- All interference check (ICSAB) criteria were met.
- All dilution tests (DTs) results were compliant.
- All post digestion spike (PDS) analysis results were compliant.

There were eight MBs and several calibration blanks associated with the metals analyses in this SDG. All blanks were compliant except the MB in the analytical batch of GG151CS1 had lead detected >1/2 of LOQ. Since all associated samples have lead

detected >10 times of the amount reported in this MB, no flags or reanalysis were needed.

Completeness

Completeness has been evaluated by comparing the total number of samples collected with the total number of samples with valid analytical data.

All metal results for the samples in this SDG were considered usable. Therefore, the completeness for the metal portion of this SDG is 100%, which meets the minimum acceptance criteria of 95%.

COMPARABILITY

All data was generated using contract-specific standard methods and reported with known data quality, type of analysis, units, etc.

DATA USABILITY

The purpose of this data validation report is to ensure the integrity and reliability of analytical laboratory data. The data quality is evaluated based on precision, accuracy, representativeness, comparability, and completeness (PARCC) characteristics of the data. The laboratory quality control samples and evaluated criteria included: MBs, LCSs, MS/MSD, FD, LD, serial dilution, and post digestion spike analyses. The validated data indicated that the laboratory correctly performed the analyses.

All calculations were spot checked and verified. All data in this SDG are considered usable for the purposes of this project.

APPENDIX F-3 LABORATORY DATA REPORT PACKAGE (CD ONLY)

This appendix has previously been provided electronically and will be included on CD with the Final RAWP.

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PARSONS
NAS BRUNSWICK PROJECT #0714
SDG: SKEET-1
SG4772, SG4789, SG4872 & SG4875

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
PARSONS
NAS BRUNSWICK PROJECT #0714
SDG: SKEET-1
SG4772, SG4789, SG4872 and SG4875

Sample Receipt

The following samples were received on July 9 and 11, 2013 and were logged in under Katahdin Analytical Services work order numbers SG4772, SG4789, SG4872, and SG4875 for a hardcopy due date of July 23, 2013.

KATAHDIN Sample No.	PARSONS Sample Identification
SG4772-1	NASB-SKT-PD1-SS233-0003
SG4772-2	NASB-SKT-PD1-SS234-0003
SG4772-3	NASB-SKT-PD1-SS210-0003
SG4772-4	NASB-SKT-PD1-SS209-0003
SG4772-5	NASB-SKT-PD1-SS208-0003
SG4772-6	NASB-SKT-PD1-SS211-0003
SG4772-7	NASB-SKT-PD1-SS244-0003
SG4772-8	NASB-SKT-PD1-SS222-0003
SG4772-9	NASB-SKT-PD1-SS221-0003
SG4772-10	NASB-SKT-PD1-SS223-0003
SG4772-11	NASB-SKT-PD1-SS223-0003-00
SG4772-12	NASB-SKT-PD1-SS261-0003
SG4772-13	NASB-SKT-PD1-SS263-0003
SG4772-14	NASB-SKT-PD1-SS262-0003
SG4772-15	NASB-SKT-PD1-SS220-0003
SG4772-16	NASB-SKT-PD1-SS229-0003
SG4772-17	NASB-SKT-PD1-SS230-0003
SG4772-18	NASB-SKT-PD1-SS231-0003
SG4772-19	NASB-SKT-PD1-SS228-0003
SG4772-20	NASB-SKT-PD1-SS226-0003
SG4789-1	NASB-SKT-PD1-SS225-0003
SG4789-2	NASB-SKT-PD1-SS224-0003
SG4789-3	NASB-SKT-PD1-SS224-0003-00
SG4789-4	NASB-SKT-PD1-SS254-0003
SG4789-5	NASB-SKT-PD1-SS252-0003
SG4789-6	NASB-SKT-PD1-SS253-0003
SG4789-7	NASB-SKT-PD1-SS240-0003
SG4789-8	NASB-SKT-PD1-SS239-0003
SG4789-9	NASB-SKT-PD1-SS241-0003
SG4789-10	NASB-SKT-PDI-SS241-0003-00
SG4789-11	NASB-SKT-PD1-SS242-0003
SG4789-12	NASB-SKT-PD1-SS213-0003
SG4789-13	NASB-SKT-PD1-SS212-0003

SG4789-14	NASB-SKT-PD1-SS214-0003
SG4789-15	NASB-SKT-PD1-SS238-0003
SG4789-16	NASB-SKT-PD1-SS237-0003
SG4789-17	NASB-SKT-PD1-SS236-0003
SG4789-18	NASB-SKT-PD1-SS232-0003
SG4789-19	NASB-SKT-PD1-SS235-0003
SG4872-1	NASB-SKT-PD1-SS227-0003
SG4872-2	NASB-SKT-PD1-SS259-0003
SG4872-3	NASB-SKT-PD1-SS258-0003
SG4872-4	NASB-SKT-PD1-SS248-0003
SG4872-5	NASB-SKT-PD1-SS250-0003
SG4872-6	NASB-SKT-PD1-SS251-0003
SG4872-7	NASB-SKT-PD1-SS249-0003
SG4872-8	NASB-SKT-PD1-SS203-0003
SG4872-9	NASB-SKT-PD1-SS202-0003
SG4872-10	NASB-SKT-PD1-SS201-0003
SG4872-11	NASB-SKT-PD1-SS200-0003
SG4872-12	NASB-SKT-PD1-SS215-0003
SG4872-13	NASB-SKT-PD1-SS255-0003
SG4872-14	NASB-SKT-PD1-SS255-0003-00
SG4872-15	NASB-SKT-PD1-SS256-0003
SG4872-16	NASB-SKT-PD1-SS206-0003
SG4872-17	NASB-SKT-PD1-SS205-0003
SG4872-18	NASB-SKT-PD1-SS204-0003
SG4872-19	NASB-SKT-PD1-SS207-0003
SG4872-20	NASB-SKT-PD1-SS260-0003
SG4875-1	NASB-SKT-PD1-SS243-0003
SG4875-2	NASB-SKT-PD1-SS219-0003
SG4875-3	NASB-SKT-PD1-SS218-0003
SG4875-4	NASB-SKT-PD1-SS216-0003
SG4875-5	NASB-SKT-PD1-SS217-0003
SG4875-6	NASB-SKT-PD1-SS245-0003
SG4875-7	NASB-SKT-PD1-SS246-0003
SG4875-8	NASB-SKT-PD1-SS247-0003
SG4875-9	NASB-SKT-PD1-SS257-0003
SG4875-10	NASB-SKT-PD1-SS257-0003-00

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Some of the clients IDs on the Chain of Custody exceed the 19-character limit of the Katahdin Analytical Information Management System. The first characters "NASB-SK" in the client ID for samples SG4772-11, SG4789-3 and -10 and the characters "NASB-SKT" in the client ID for

SG4872-14 were omitted on all forms. The first characters "NASB-" in the client ID for all samples excluding SG4772-11, SG4789-3, SG4789-10 and SG4872-14, which were mentioned above, were omitted on all forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Jennifer Obrin**. This narrative is an integral part of the Report of Analysis.

Metals Analysis

The samples of SDG SKEET-1 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Solid-matrix Katahdin Sample Numbers SG4772-(1-20) were digested for ICP analysis on 07/10/13 (QC Batch GG10ICS1) in accordance with USEPA Method 3010A. Katahdin Sample Number SG4772-10 was prepared with duplicate matrix-spiked aliquots.

Solid-matrix Katahdin Sample Numbers SG4789-(1-19) were digested for ICP analysis on 07/11/13 (QC Batch GG11ICS1) in accordance with USEPA Method 3010A. Katahdin Sample Number SG4789-3,9 were prepared with duplicate matrix-spiked aliquots.

Solid-matrix Katahdin Sample Numbers SG4872-(1-10) were digested for ICP analysis on 07/12/13 (QC Batch GG12ICS1). SG4872-(11-20) on 07/15/13 (QC Batch GG15ICS1) in accordance with USEPA Method 3010A. Katahdin Sample Number SG4872-13 were prepared with duplicate matrix-spiked aliquots.

Solid-matrix Katahdin Sample Numbers SG4875-(1-10) were digested for ICP analysis on 07/17/13 (QC Batch GG17ICS1) in accordance with USEPA Method 3010A. Katahdin Sample Number SG4875-9 were prepared with duplicate matrix-spiked aliquots.

ICP analyses of SDG SKEET-1 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010C. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recovery of all analytes the matrix-spiked aliquots of Katahdin Sample Number SG4772-10, SG4789-3,9, and SG4875-9 were with in the laboratory's acceptance criteria (80% - 120% recovery of the added element, if the native concentration is less than four times the amount added).

REISSUED

0000004

The measured recovery of lead in the matrix-spiked aliquots of Katahdin Sample Number SG4872-13 is outside the project's acceptance criteria (80% - 120% recovery of the added element, if the native concentration is less than four times the amount added). The lead results for all associated sample of Work Order SG4872 have been flagged "N" in the Q-qualifier column of their respective Form 1's.

The matrix spike duplicate analysis of Katahdin Sample Numbers SG4772-10, SG4789-3,9, SG4872-13, and SG4875-9 are within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots).

The serial dilution analysis of Katahdin Sample Number SG4772-10, SG4789-3,9, SG4872-13, and SG4875-9 are within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the LOQ) for all analytes.

Reporting of Metals Results

Per client request, analytical results for client samples on Form I and preparation blanks on Form IIIP have been reported using the laboratory's limits of detection (LOD). All results were evaluated down to the laboratory's method detection limits (MDLs). Results that fall between the MDL and the LOQ are flagged with "J" in the C-qualifier column, and the measured concentration appears in the concentration column. Results that are less than the MDL are flagged with "U" in the C-qualifier column, and the LOD is listed in the concentration column. These LOQs, MDLs, and LODs have been adjusted for each sample based on the sample amounts used in preparation and analysis.

Analytical results on Forms VA, VD, VII, and IX for client samples, matrix QC samples (duplicates and matrix spikes), and laboratory control samples have been reported down to the laboratory's method detection limits (MDLs). Analytical results that are below the MDLs are flagged with "U" in the C-qualifier column, and the measured concentration is listed in the concentration column.

Analytical results for instrument run QC samples (ICVs, ICBs, etc.) have been reported down to the laboratory's instrument detection limits (IDLs).

IDLs, LODs, MDLs, and LOQs are listed on Form 10 of the accompanying data package.

Wet Chemistry Analysis

The samples of SDG SKEET-1 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to "Standard Methods for the Examination of Water and Wastewater", 15th, 16th, 17th, 18th, 19th, and 20th editions, 1980, 1985, 1989, 1992, 1995, 1999. APHA-AWWA-WPCF.

All analyses were performed within analytical holding times. All quality control criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or Quality Assurance Officer, as verified by the following signature.

Leslie Dimond
072313

Leslie Dimond
Quality Assurance Officer

Katahdin Analytical Services, Inc. Sample Receipt Condition Report

Client:	Parsons	KAS PM:	JO	Sampled By:	Client
Project:		KIMS Entry By:	GV	Delivered By:	KAS
KAS Work Order#:	SG4772/SG4789/SG4790	KIMS Review By:	JO	Received By:	DM
SDG #:	Cooler: 1 of 1			Date/Time Rec.:	7-9-13 1545

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		✓			
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 4.4
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea				✓	
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin Analytical Services, Inc. Sample Receipt Condition Report

Client:	Parsons	KAS PM:	JO	Sampled By:	Client
Project:		KIMS Entry By:	GW	Delivered By:	KAS
KAS Work Order#:	SG4772/SG4789/SG4790	KIMS Review By:		Received By:	DM
SDG #:	Cooler: 1 of 1			Date/Time Rec.:	7-9-13 1545

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		✓			
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 4.4
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea				✓	
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide – >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin Analytical Services, Inc. Sample Receipt Condition Report

Client:	Parsons	KAS PM:	JO	Sampled By:	Client
Project:		KIMS Entry By:	Gw	Delivered By:	KAS
KAS Work Order#:	SG4872/4875/4876	KIMS Review By:		Received By:	DM
SDG #:	Cooler: 1 of 1			Date/Time Rec.:	7-1-13 1545

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		✓			
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 1.2
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea				✓	
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin Analytical Services, Inc. Sample Receipt Condition Report

Client:	Parsons	KAS PM:	JO	Sampled By:	Client
Project:		KIMS Entry By:	Gw	Delivered By:	KAS
KAS Work Order#:	SG4872 / 4875 / 4876	KIMS Review By:		Received By:	DM
SDG #:	Cooler: 1 of 1			Date/Time Rec.:	7/1/13 1545

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		✓			
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 1.2
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea				✓	
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS
Contact: BETH BADIK
Phone #: (617) 449-1565
Fax #: ( )
Address: 100 HIGH ST. 4th FLOOR
City: BOSTON
State: MA
Zip Code: 02110
Purchase Order #:
Proj. Name / No.: NASB ORION ST. SKEET RANGE
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): TODD BLANGER
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER: SG4772 SG4790
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	All ID's START WITH NASB - SKT - Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Lead	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS233-0003	7/8/13/1615	soil	1	X										
	PD1-SS234-0003	/1630		1	X										
	PD1-SS210-0003	/1650		1	X										
	PD1-SS209-0003	/1655		1	X										
	PD1-SS208-0003	/1755		1	X										
	PD2-SS301-0003	/1130		1	X	Hold									
	PD2-SS300-0003	/1015		1	X	Hold									
	PD2-SS302-0003	/1200		1	X	Hold									
	PD2-SS309-0003	/1405		1	X	Hold									
	PD2-SS303-0003	/1515		1	X	Hold									
	PD2-SS308-0003	/1640		1	X	Hold									
	PD2-SS307-0003	/1635		1	X	Hold									
	PD2-SS306-0003	/1705		1	X	Hold									
	PD1-SS211-0003	7/9/13/0720		1	X										
	PD1-SS244-0003	/0740		1	X										
	PD1-SS222-0003	/0825		1	X										

COMMENTS
TAT 5 DAYS HOLD GREEN RTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/9 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

0000011

ORIGINAL

KAS CSC1

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS
Contact: BETH BADIK
Phone #: (617) 449-1565
Fax #: ( )

Address: 100 HIGH ST 4th FLOOR
City: BOSTON
State: MA
Zip Code: 02110

Purchase Order #:
Proj. Name / No: NASB ORION ST SKT RANGE
Katahdin Quote #:

Bill (if different than above):
Address:

Sampler (Print / Sign): TODD BELANGER
Copies To:

LAB USE ONLY
WORK ORDER #: SG4789/4772
KATAHDIN PROJECT NUMBER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description (ALL ID'S START WITH NASB-SKT-)	Date / Time coll'd	Matrix	No. of Cntrs.	Lead	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PDI-SS221-0003	7/9/13/0835	Soil	1	X										
	PDI-SS223-0003	/0900		1	X										
	PDI-SS223-0003 MS/MSD	/0900		1	X										
	PDI-SS223-0003-00	/0905		1	X										
	PDI-SS261-0003	/0950		1	X										
	PDI-SS263-0003	/1005		1	X										
	PDI-SS262-0003	/1015		1	X										
	PDI-SS220-0003	/1025		1	X										
	PDI-SS229-0003	/1115		1	X										
	PDI-SS230-0003	/1125		1	X										
	PDI-SS231-0003	/1130		1	X										
	PDI-SS228-0003	/1140		1	X										
	PDI-SS226-0003	/1315		1	X										
	PDI-SS225-0003	/1320		1	X										
	PDI-SS224-0003	/1335		1	X										
	PDI-SS224-0003-MS/MSD	/1335		1	X										

COMMENTS
TAT 5 DAYS HOLD GREEN DOTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/9 1430				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

0000012
ORIGINAL

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS
Contact: BETH BADIN
Phone #: (617) 449-1565
Fax #: ( )
Address: 100 HIGH ST 4th
City: BOSTON
State: MA
Zip Code: 02110
Purchase Order #:
Proj. Name / No.: NASB ONION ST SKT RANGE
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): TODD BEAUGER
Copies To:

LAB USE ONLY
WORK ORDER #: SG-4789/4790
KATAHDIN PROJECT NUMBER:
REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	ALL ID'S START WITH NASB-SKT- Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Lead	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS224-0003-00	7/9/13 /1340	Soil	1	X										
	PD2-SS305-0003	/0730		1	X	Hold									
	PD2-SS312-0003	/0810		1	X	Hold									
	PD2-SS311-0003	/0845		1	X	Hold									
	PD2-SS313-0003	/0915		1	X	Hold									
	PD2-SS325-0003	/1105		1	X	Hold									
	PD2-SS323-0003	/1155		1	X	Hold									
	PD2-SS324-0003	/1200		1	X	Hold									
	PD2-SS321-0003	/1330		1	X	Hold									
		/													
		/													
		/													
		/													
		/													
		/													
		/													

TB

TB

COMMENTS
TAT 5 DAYS GREEN DOTS = HOLD

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/9 1430				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS
Contact: BETH BADIK
Phone #: (617) 449-1565
Fax #: ( )

Address: 100 HIGH STREET, 4th FLOOR
City: BOSTON
State: MA
Zip Code: 02110

Purchase Order #:
Proj. Name / No.: NASB ORION ST. SKEET RANGE
Katahdin Quote #:

Bill (if different than above):
Address:

Sampler (Print / Sign): TODD BELANGER
Copies To:

LAB USE ONLY
WORK ORDER #: SG 4789
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	ALL ID'S START WITH NASB-SKT- Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS254-0003	7/8/13/0845	Soil	1	X										
	PD1-SS252-0003	/0900		1	X										
	PD1-SS253-0003	/0920		1	X										
	PD1-SS240-0003	/0940		1	X										
	PD1-SS239-0003	/0955		1	X										
MS MSD	PD1-SS241-0003/MS/MSD	/1035		2	X										
	PD1-SS241-0003-00	/1040		1	X										
	PD1-SS242-0003	/1110		1	X										
	PD1-SS213-0003	/1145		1	X										
	PD1-SS212-0003	/1210		1	X										
	PD1-SS214-0003	/1355		1	X										
	PD1-SS238-0003	/1425		1	X										
	PD1-SS237-0003	/1450		1	X										
	PD1-SS236-0003	/1530		1	X										
	PD1-SS232-0003	/1545		1	X										
	PD1-SS235-0003	/1600		1	X										

COMMENTS: 5 DAY TAT HOLD GREEN DOTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/9 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Parsons | Contact: Beth Badik | Phone #: (617) 449-1565 | Fax #: ( )

Address: 100 High St. 4th Floor | City: Boston | State: MA | Zip Code: 02110

Purchase Order # | Proj. Name / No.: NASB ORION ST. SKEET RANGE | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): TODD BELANGER | Copies To:

LAB USE ONLY | WORK ORDER #: SG4872

KATAHDIN PROJECT NUMBER: SG4876

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	ALL ID'S START WITH NASB-SKT- Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS227-0003	7/9/13 / 1510	Soil	1	X									
	PD1-SS259-0003	/ 1545		1	X									
	PD1-SS258-0003	/ 1555		1	X									
	PD1-SS248-0003	/ 1610		1	X									
	PD1-SS250-0003	/ 1620		1	X									
	PD1-SS251-0003	/ 1630		1	X									
	PD1-SS249-0003	/ 1640		1	X									
	PD2-SS320-0003	/ 1520		1	X									
	PD2-SS322-0003	/ 1530		1	X									
	PD2-SS310-0003	/ 1600		1	X									
	PD2-SS326-0003	/ 1650		1	X									
	PD2-SS327-0003	/ 1700		1	X									
	PD2-SS328-0003	/ 1705		1	X									
	PD1-SS203-0003	7/10/13 / 0735	Soil	1	X									
	PD1-SS202-0003	/ 0750		1	X									
	PD1-SS201-0003	/ 0810		1	X									

COMMENTS

TAT 5 DAYS. HOLD SAMPLES W/ GREEN DOTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/11/13 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

0000015

ORIGINAL

AS-COC1

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS | Contact: BETH BADIK | Phone #: (617) 449.1565 | Fax #: ( )

Address: 100 HIGH ST 4th FLOOR | City: BOSTON | State: MA | Zip Code: 02110

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): TODD BRANGER | Copies To:

LAB USE ONLY | WORK ORDER #: 564872/4875

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description (ALL IDs START WITH NASB-SKT-)	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PDI-SS200-0003	7/10/13/0855	SOIL	1	X									
	PDI-SS215-0003	/0915		1	X									
	PDI-SS255-0003	/0925		1	X									
	PDI-SS255-0003 MS/MSD	/0925		1	X									
	PDI-SS255-0003-00	/0930		1	X									
	PDI-SS256-0003	/0945		1	X									
	PDI-SS206-0003	/1035		1	X									
	PDI-SS205-0003	/1045		1	X									
	PDI-SS204-0003	/1050		1	X									
	PDI-SS207-0003	/1100		1	X									
	PDI-SS260-0003	/1325		1	X									
	PDI-SS243-0003	/1350		1	X									
	PDI-SS219-0003	/1505		1	X									
	PDI-SS218-0003	/1520		1	X									
	PDI-SS216-0003	/1525		1	X									
	PDI-SS217-0003	/1530		1	X									

COMMENTS

TAT 5 DAYS. HOLD SAMPLES W/ GREEN DOTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/11/13 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/11/13 1420				

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

ORIGINAL

AS-COC1

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS | Contact: BETH BADIK | Phone #: (617) 449.1565 | Fax #: ( )

Address: 100 HIGH ST 4th FLOOR | City: BOSTON | State: MA | Zip Code: 02110

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): TODD BELANGER | Copies To:

LAB USE ONLY | WORK ORDER #: 5G4875/4876

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description (ALL IDs START WITH NASB-SKT-)	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS245-0003	7/10/13/1620	Soil	1	X										
	PD1-SS246-0003	/1640		1	X										
	PD1-SS247-0003	/1710		1	X										
	PD1-SS257-0003	/1730		1	X										
	PD1-SS257-0003 MS/MSD	/1730		1	X										
	PD1-SS257-0003-00	/1735		1	X										
	PD2-SS319-0003	/0830		1	X										
	PD2-SS318-0003	/0905		1	X										
	PD2-SS316-0003	/1150		1	X										
	PD2-SS314-0003	/1230		1	X										
	PD2-SS314-0003 MS/MSD	/1230		1	X										
	PD2-SS314-0003-00	/1235		1	X										
	PD2-SS317-0003	/1600		1	X										
	PD2-SS315-0003	/1720		1	X										
		/													
		/													

COMMENTS

TAT 5 DAYS. HOLD SAMPLES W/ GREEN DOTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/11/13 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

ORIGINAL

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 10, 2013
03:42 PM

Login Number: SG4772

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Quote/Incoming: PARSONS-NASB

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	4.4
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie only (stephanie.bliss@parsons.com).
SDG ID	:	SKEET-1
SDG STATUS	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4772-1	SKT-PD1-SS233-0003	08-JUL-13 16:15	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS233-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4772-2	SKT-PD1-SS234-0003	08-JUL-13 16:30	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS234-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4772-3	SKT-PD1-SS210-0003	08-JUL-13 16:50	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS210-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4772-4	SKT-PD1-SS209-0003	08-JUL-13 16:55	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS209-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4772-5	SKT-PD1-SS208-0003	08-JUL-13 17:55	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS208-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4772-6	SKT-PD1-SS211-0003	09-JUL-13 07:20	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS211-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-7	SKT-PD1-SS244-0003	09-JUL-13 07:40	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS244-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

07.10.13

0000018

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 10, 2013
03:42 PM

Login Number: SG4772
Account: PARSONS002
PARSONS

Quote/Incoming: PARSONS-NASB

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4772-8	SKT-PD1-SS222-0003	09-JUL-13 08:25	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS222-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-9	SKT-PD1-SS221-0003	09-JUL-13 08:35	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS221-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-10	SKT-PD1-SS223-0003	09-JUL-13 09:00	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS223-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		MS/MSD
Solid	S	TS	08-AUG-13			

SG4772-11	T-PD1-SS223-0003-00	09-JUL-13 09:05	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS223-0003-00
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-12	SKT-PD1-SS261-0003	09-JUL-13 09:50	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS261-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-13	SKT-PD1-SS263-0003	09-JUL-13 10:05	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS263-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-14	SKT-PD1-SS262-0003	09-JUL-13 10:15	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS262-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-15	SKT-PD1-SS220-0003	09-JUL-13 10:25	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS220-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-16	SKT-PD1-SS229-0003	09-JUL-13 11:15	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS229-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4772-17	SKT-PD1-SS230-0003	09-JUL-13 11:25	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS230-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

07.10.13

0000019

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 10, 2013
03:42 PM

Login Number: SG4772

Account: PARSONS002
PARSONS

Project: PARSONS-NASB
NAS Brunswick

Quote/Incoming: PARSONS-NASB

NoWeb

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4772-18	SKT-PD1-SS231-0003	09-JUL-13 11:30	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS231-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4772-19	SKT-PD1-SS228-0003	09-JUL-13 11:40	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS228-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4772-20	SKT-PD1-SS226-0003	09-JUL-13 13:15	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS226-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Total Samples: *20* ***Total Analyses:*** *60*

07.10.13

0000020

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 10, 2013
03:42 PM

Login Number: SG4789

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Quote/Incoming: PARSONS-NASB

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	4.4
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie only (stephanie.bliss@parsons.com).
SKEET-1	:	
Cont	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4789-1	SKT-PD1-SS225-0003	09-JUL-13 13:20		09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS225-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4789-2	SKT-PD1-SS224-0003	09-JUL-13 13:35		09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS224-0003 MS/MSD
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4789-3	T-PD1-SS224-0003-00	09-JUL-13 13:40		09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS224-0003-00
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4789-4	SKT-PD1-SS254-0003	08-JUL-13 08:45		09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS254-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-5	SKT-PD1-SS252-0003	08-JUL-13 09:00		09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS252-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-6	SKT-PD1-SS253-0003	08-JUL-13 09:20		09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS253-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

07.10.13

SG4789-7	SKT-PD1-SS240-0003	08-JUL-13 09:40		09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS240-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jul. 10, 2013
03:42 PM

Login Number: SG4789

Quote/Incoming: PARSONS-NASB

Account: PARSONS002 NoWeb
PARSONS

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4789-8	SKT-PD1-SS239-0003	08-JUL-13 09:55	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS239-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-9	SKT-PD1-SS241-0003	08-JUL-13 10:35	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS241-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		MS/MSD
Solid	S	TS	07-AUG-13			

SG4789-10	T-PD1-SS241-0003-00	08-JUL-13 10:40	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS241-0003-00
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-11	SKT-PD1-SS242-0003	08-JUL-13 11:10	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS242-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-12	SKT-PD1-SS213-0003	08-JUL-13 11:45	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS213-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-13	SKT-PD1-SS212-0003	08-JUL-13 12:10	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS212-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-14	SKT-PD1-SS214-0003	08-JUL-13 13:55	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS214-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-15	SKT-PD1-SS238-0003	08-JUL-13 14:25	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS238-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-16	SKT-PD1-SS237-0003	08-JUL-13 14:50	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS237-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-17	SKT-PD1-SS236-0003	08-JUL-13 15:30	09-JUL-13	16-JUL-13	22-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS236-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

07.10.13

0000022

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jul. 10, 2013
03:42 PM

Login Number: SG4789

Quote/Incoming: PARSONS-NASB

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4789-18	SKT-PD1-SS232-0003	08-JUL-13 15:45	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS232-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4789-19	SKT-PD1-SS235-0003	08-JUL-13 16:00	09-JUL-13		16-JUL-13	22-JUL-13	

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	04-JAN-14			NASB-SKT-PD1-SS235-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

Total Samples: *19* ***Total Analyses:*** *57*

OP
07.10.13

0000023

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 12, 2013
09:54 AM

Login Number: SG4872

Account: PARSONS002
PARSONS

Project: PARSONS-NASB
NAS Brunswick

Quote/Incoming: PARSONS-NASB

NoWeb

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	1.2
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie (stephanie.bliss@parsons.com).
SDG ID	:	SKEET-1
SDG STATUS	:	Cont

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-1	SKT-PD1-SS227-0003	09-JUL-13 15:10	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS227-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-2	SKT-PD1-SS259-0003	09-JUL-13 15:45	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS259-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-3	SKT-PD1-SS258-0003	09-JUL-13 15:55	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS258-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-4	SKT-PD1-SS248-0003	09-JUL-13 16:10	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS248-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-5	SKT-PD1-SS250-0003	09-JUL-13 16:20	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS250-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-6	SKT-PD1-SS251-0003	09-JUL-13 16:30	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS251-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

OP 07.12.13

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-7	SKT-PD1-SS249-0003	09-JUL-13 16:40	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD1-SS249-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

0000024

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jul. 12, 2013
09:54 AM

Login Number: SG4872

Account: PARSONS002 NoWeb
PARSONS

Quote/Incoming: PARSONS-NASB

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-8	SKT-PD1-SS203-0003	10-JUL-13 07:35	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS203-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-9	SKT-PD1-SS202-0003	10-JUL-13 07:50	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS202-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-10	SKT-PD1-SS201-0003	10-JUL-13 08:10	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS201-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-11	SKT-PD1-SS200-0003	10-JUL-13 08:55	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS200-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-12	SKT-PD1-SS215-0003	10-JUL-13 09:15	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS215-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-13	SKT-PD1-SS255-0003	10-JUL-13 09:25	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS255-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		MS/MSD
Solid	S	TS	09-AUG-13			

SG4872-14	PD1-SS255-0003-00	10-JUL-13 09:30	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS255-0003-00
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-15	SKT-PD1-SS256-0003	10-JUL-13 09:45	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS256-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-16	SKT-PD1-SS206-0003	10-JUL-13 10:35	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS206-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4872-17	SKT-PD1-SS205-0003	10-JUL-13 10:45	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS205-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

7.12.13

0000025

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 12, 2013
09:54 AM

Login Number: SG4872

Account: PARSONS002 NoWeb
PARSONS

Quote/Incoming: PARSONS-NASB

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-18	SKT-PD1-SS204-0003	10-JUL-13 10:50	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS204-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-19	SKT-PD1-SS207-0003	10-JUL-13 11:00	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS207-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4872-20	SKT-PD1-SS260-0003	10-JUL-13 13:25	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS260-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Total Samples: *20* ***Total Analyses:*** *60*

07.12.13

0000026

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jul. 12, 2013
09:54 AM

Login Number: SG4875

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Quote/Incoming: PARSONS-NASB

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	1.2
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie (stephanie.bliss@parsons.com).
SKEET-1	:	
Cont	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-1	SKT-PD1-SS243-0003	10-JUL-13 13:50		11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS243-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-2	SKT-PD1-SS219-0003	10-JUL-13 15:05		11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS219-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-3	SKT-PD1-SS218-0003	10-JUL-13 15:20		11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS218-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-4	SKT-PD1-SS216-0003	10-JUL-13 15:25		11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS216-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-5	SKT-PD1-SS217-0003	10-JUL-13 15:30		11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS217-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-6	SKT-PD1-SS245-0003	10-JUL-13 16:20		11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS245-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	SDG ID / SDG STATUS	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-7	SKT-PD1-SS246-0003	10-JUL-13 16:40		11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS246-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

07.12.13

0000027

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 12, 2013
09:54 AM

Login Number: SG4875

Quote/Incoming: PARSONS-NASB

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4875-8	SKT-PD1-SS247-0003	10-JUL-13 17:10	11-JUL-13		18-JUL-13	23-JUL-13	

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS247-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

SG4875-9	SKT-PD1-SS257-0003	10-JUL-13 17:30	11-JUL-13		18-JUL-13	23-JUL-13

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS257-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		MS/MSD
Solid	S	TS	09-AUG-13			

SG4875-10	PD1-SS257-0003-00	10-JUL-13 17:35	11-JUL-13		18-JUL-13	23-JUL-13

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD1-SS257-0003-00
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Total Samples: *10* ***Total Analyses:*** *30*

OP
07.12.13

0000028

SAMPLE DATA SUMMARY PACKAGE

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as “U” MDL have a 50% rate for false negatives compared to those results reported as “U” PQL/LOQ or “U” LOD, where the rate of false negatives is <1%.
J	The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS
(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

MCL Maximum Contaminant Level

NL No limit

NFL No Free Liquid Present

FLP Free Liquid Present

NOD No Odor Detected

TON Threshold Odor Number

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

- H1 pH
- H2 DO
- H3 sulfite
- H4 residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS233-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 67.8
Lab Sample ID: SG4772-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	1170			P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS234-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 74.4
Lab Sample ID: SG4772-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	1520			P	2	0.71	0.12	0.57

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS210-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 66.4
Lab Sample ID: SG4772-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	744			P	1	0.50	0.09	0.40

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS209-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 64.3
Lab Sample ID: SG4772-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	757			P	1	0.47	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS208-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 72.4
Lab Sample ID: SG4772-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	605			P	1	0.50	0.09	0.40

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS211-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 76.8
Lab Sample ID: SG4772-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	524			P	1	0.37	0.06	0.30

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS244-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 61.2
Lab Sample ID: SG4772-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	677			P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS222-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 52.3
Lab Sample ID: SG4772-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	105			P	1	0.76	0.13	0.61

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS221-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 72.9
Lab Sample ID: SG4772-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	24.9			P	1	0.49	0.09	0.39

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Matrix: SOIL
Percent Solids: 69.9

Client Field ID: SKT-PD1-SS223-0003
SDG Name: SKEET-1
Lab Sample ID: SG4772-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	31.9			P	1	0.57	0.10	0.45

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: T-PD1-SS223-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 70.7
Lab Sample ID: SG4772-011

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	39.7			P	1	0.52	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS261-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 91.3
Lab Sample ID: SG4772-012

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	3.5			P	1	0.39	0.07	0.32

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS263-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 53.6
Lab Sample ID: SG4772-013

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	132			P	1	0.70	0.12	0.56

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS262-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 82.3
Lab Sample ID: SG4772-014

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	60.8			P	1	0.49	0.09	0.39

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS220-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 17.0
Lab Sample ID: SG4772-015

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	180			P	1	1.6	0.28	1.3

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS229-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 65.3
Lab Sample ID: SG4772-016

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	312			P	1	0.47	0.08	0.38

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS230-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 67.4
Lab Sample ID: SG4772-017

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	ADJUSTED LOQ	ADJUSTED MDL	ADJUSTED LOD
7439-92-1	LEAD, TOTAL	514			P	1	0.58	0.10	0.47

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS231-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 59.1
Lab Sample ID: SG4772-018

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	554			P	1	0.70	0.12	0.56

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS228-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.0
Lab Sample ID: SG4772-019

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	260			P	1	0.52	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS226-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 76.4
Lab Sample ID: SG4772-020

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	161			P	1	0.56	0.10	0.45

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS225-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 56.3
Lab Sample ID: SG4789-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	306			P	1	0.52	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS224-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.7
Lab Sample ID: SG4789-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	118			P	1	0.56	0.10	0.45

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: T-PD1-SS224-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.9
Lab Sample ID: SG4789-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	114			P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS254-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 82.1
Lab Sample ID: SG4789-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	70.2			P	1	0.39	0.07	0.31

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS252-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 72.4
Lab Sample ID: SG4789-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	206			P	1	0.47	0.08	0.38

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS253-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 77.6
Lab Sample ID: SG4789-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	64.8			P	1	0.35	0.06	0.28

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS240-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.1
Lab Sample ID: SG4789-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	475			P	1	0.53	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS239-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.6
Lab Sample ID: SG4789-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	590			P	1	0.44	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS241-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 89.4
Lab Sample ID: SG4789-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	11.6			P	1	0.41	0.07	0.33

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: T-PD1-SS241-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 89.9
Lab Sample ID: SG4789-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	12.6			P	1	0.33	0.06	0.27

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS242-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 84.2
Lab Sample ID: SG4789-011

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	434			P	1	0.47	0.08	0.38

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS213-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 75.6
Lab Sample ID: SG4789-012

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	30.0			P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS212-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 79.1
Lab Sample ID: SG4789-013

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	353			P	1	0.47	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS214-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.1
Lab Sample ID: SG4789-014

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	312			P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS238-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 78.2
Lab Sample ID: SG4789-015

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	ADJUSTED LOD
7439-92-1	LEAD, TOTAL	44.4			P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS237-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 76.7
Lab Sample ID: SG4789-016

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	555			P	1	0.46	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS236-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 81.9
Lab Sample ID: SG4789-017

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	324			P	1	0.32	0.06	0.25

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS232-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 89.1
Lab Sample ID: SG4789-018

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	94.3			P	1	0.35	0.06	0.28

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS235-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 75.0
Lab Sample ID: SG4789-019

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	761			P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS227-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 70.6
Lab Sample ID: SG4872-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	185		N	P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS259-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 74.5
Lab Sample ID: SG4872-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	62.8		N	P	1	0.44	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS258-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 78.8 **Lab Sample ID:** SG4872-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	114		N	P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS248-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 71.2 **Lab Sample ID:** SG4872-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	333		N	P	1	0.44	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS250-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 79.6
Lab Sample ID: SG4872-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	58.4		N	P	1	0.43	0.07	0.34

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS251-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 63.8
Lab Sample ID: SG4872-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	7780		N	P	10	4.3	0.74	3.4

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS249-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.3
Lab Sample ID: SG4872-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	253		N	P	1	0.50	0.09	0.40

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS203-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 72.4
Lab Sample ID: SG4872-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	143		N	P	1	0.40	0.07	0.32

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS202-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 61.6 **Lab Sample ID:** SG4872-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	281		N	P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS201-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 71.4
Lab Sample ID: SG4872-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	30.8		N	P	1	0.44	0.08	0.35

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS200-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 63.4
Lab Sample ID: SG4872-011

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	213		N	P	1	0.65	0.11	0.52

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS215-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 66.6 **Lab Sample ID:** SG4872-012

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	66.1		N	P	2	0.85	0.15	0.68

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS255-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 80.8
Lab Sample ID: SG4872-013

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	24.8		N	P	1	0.36	0.06	0.29

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: PD1-SS255-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 80.5
Lab Sample ID: SG4872-014

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	26.1		N	P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS256-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 78.0
Lab Sample ID: SG4872-015

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	26.7		N	P	1	0.43	0.07	0.34

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS206-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 62.7
Lab Sample ID: SG4872-016

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	223		N	P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS205-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.4
Lab Sample ID: SG4872-017

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	82.4		N	P	1	0.51	0.09	0.41

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS204-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 76.5
Lab Sample ID: SG4872-018

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	48.0		N	P	1	0.43	0.08	0.35

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS207-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 61.1 **Lab Sample ID:** SG4872-019

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	158		N	P	1	0.68	0.12	0.54

Comments:

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INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS260-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 64.5
Lab Sample ID: SG4872-020

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	205		N	P	1	0.43	0.07	0.34

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS243-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 66.3
Lab Sample ID: SG4875-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	34.9			P	1	0.47	0.08	0.38

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS219-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 59.0
Lab Sample ID: SG4875-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	410			P	1	0.51	0.09	0.41

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS218-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 70.1
Lab Sample ID: SG4875-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	276			P	1	0.46	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS216-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 64.4
Lab Sample ID: SG4875-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	520			P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS217-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.6 **Lab Sample ID:** SG4875-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	15.2			P	1	0.32	0.05	0.25

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS245-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 81.5
Lab Sample ID: SG4875-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	305			P	1	0.46	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS246-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 86.4
Lab Sample ID: SG4875-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	46.7			P	1	0.46	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS247-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.2 **Lab Sample ID:** SG4875-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	330			P	1	0.40	0.07	0.32

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	247			P	1	0.34	0.06	0.28

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: PD1-SS257-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 77.5
Lab Sample ID: SG4875-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	234			P	1	0.40	0.07	0.32

Comments:

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG11A Jul 11, 2013 14:08

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9876.00	98.8
CALCIUM	10000.0	10320.00	103.2
IRON	10000.0	10000.00	100.0
LEAD	400.0	404.10	101.0
MAGNESIUM	10000.0	10070.00	100.7

SAMPLE: CCV

File: IGG11A Jul 11, 2013 14:44

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12640.00	101.1
CALCIUM	12500.0	12770.00	102.2
IRON	12500.0	12790.00	102.3
LEAD	500.0	513.70	102.7
MAGNESIUM	12500.0	12660.00	101.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG11A Jul 11, 2013 15:37

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12570.00	100.6
CALCIUM	12500.0	12510.00	100.1
IRON	12500.0	12700.00	101.6
LEAD	500.0	516.30	103.3
MAGNESIUM	12500.0	12610.00	100.9

SAMPLE: CCV

File: IGG11A Jul 11, 2013 16:30

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12510.00	100.1
IRON	12500.0	12700.00	101.6
LEAD	500.0	511.20	102.2
MAGNESIUM	12500.0	12530.00	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG11A Jul 11, 2013 17:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12540.00	100.3
CALCIUM	12500.0	12500.00	100.0
IRON	12500.0	12620.00	101.0
LEAD	500.0	507.10	101.4
MAGNESIUM	12500.0	12590.00	100.7

SAMPLE: CCV

File: IGG11A Jul 11, 2013 18:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12820.00	102.6
CALCIUM	12500.0	12380.00	99.0
IRON	12500.0	12910.00	103.3
LEAD	500.0	517.30	103.5
MAGNESIUM	12500.0	12250.00	98.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG11A Jul 11, 2013 19:11

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12930.00	103.4
CALCIUM	12500.0	12310.00	98.5
IRON	12500.0	13110.00	104.9
LEAD	500.0	527.00	105.4
MAGNESIUM	12500.0	12180.00	97.4

SAMPLE: CCV

File: IGG11A Jul 11, 2013 19:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12850.00	102.8
CALCIUM	12500.0	12250.00	98.0
IRON	12500.0	13070.00	104.6
LEAD	500.0	529.80	106.0
MAGNESIUM	12500.0	12210.00	97.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG12A Jul 12, 2013 14:48

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9993.00	99.9
CALCIUM	10000.0	10440.00	104.4
IRON	10000.0	10080.00	100.8
LEAD	400.0	403.90	101.0
MAGNESIUM	10000.0	10040.00	100.4

SAMPLE: CCV

File: IGG12A Jul 12, 2013 15:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12670.00	101.4
IRON	12500.0	12580.00	100.6
LEAD	500.0	510.60	102.1
MAGNESIUM	12500.0	12730.00	101.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 16:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12420.00	99.4
CALCIUM	12500.0	12650.00	101.2
IRON	12500.0	12520.00	100.2
LEAD	500.0	517.10	103.4
MAGNESIUM	12500.0	12920.00	103.4

SAMPLE: CCV

File: IGG12A Jul 12, 2013 17:10

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	11920.00	95.4
CALCIUM	12500.0	12240.00	97.9
IRON	12500.0	12160.00	97.3
LEAD	500.0	500.80	100.2
MAGNESIUM	12500.0	12440.00	99.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 18:04

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12000.00	96.0
CALCIUM	12500.0	12120.00	97.0
IRON	12500.0	12150.00	97.2
LEAD	500.0	503.90	100.8
MAGNESIUM	12500.0	12600.00	100.8

SAMPLE: CCV

File: IGG12A Jul 12, 2013 18:57

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12290.00	98.3
CALCIUM	12500.0	12680.00	101.4
IRON	12500.0	12480.00	99.8
LEAD	500.0	509.50	101.9
MAGNESIUM	12500.0	12760.00	102.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 19:51

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12680.00	101.4
CALCIUM	12500.0	13110.00	104.9
IRON	12500.0	12910.00	103.3
LEAD	500.0	513.10	102.6
MAGNESIUM	12500.0	12790.00	102.3

SAMPLE: CCV

File: IGG12A Jul 12, 2013 20:44

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12360.00	98.9
CALCIUM	12500.0	12830.00	102.6
IRON	12500.0	12590.00	100.7
LEAD	500.0	514.30	102.9
MAGNESIUM	12500.0	12840.00	102.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 21:38

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	11940.00	95.5
CALCIUM	12500.0	12730.00	101.8
IRON	12500.0	12230.00	97.8
LEAD	500.0	521.00	104.2
MAGNESIUM	12500.0	13060.00	104.5

SAMPLE: CCV

File: IGG12A Jul 12, 2013 22:32

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12150.00	97.2
CALCIUM	12500.0	12920.00	103.4
IRON	12500.0	12230.00	97.8
LEAD	500.0	522.20	104.4
MAGNESIUM	12500.0	13090.00	104.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 23:26

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12100.00	96.8
CALCIUM	12500.0	12900.00	103.2
IRON	12500.0	12250.00	98.0
LEAD	500.0	512.50	102.5
MAGNESIUM	12500.0	12880.00	103.0

SAMPLE: CCV

File: IGG12A Jul 13, 2013 0:20

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12520.00	100.2
CALCIUM	12500.0	13300.00	106.4
IRON	12500.0	12710.00	101.7
LEAD	500.0	516.60	103.3
MAGNESIUM	12500.0	12930.00	103.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 13, 2013 1:09

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12020.00	96.2
CALCIUM	12500.0	12830.00	102.6
IRON	12500.0	12240.00	97.9
LEAD	500.0	522.20	104.4
MAGNESIUM	12500.0	13130.00	105.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG15A Jul 15, 2013 14:23

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9852.00	98.5
CALCIUM	10000.0	10440.00	104.4
IRON	10000.0	10040.00	100.4
LEAD	400.0	400.70	100.2
MAGNESIUM	10000.0	9898.00	99.0

SAMPLE: CCV

File: IGG15A Jul 15, 2013 14:59

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12710.00	101.7
IRON	12500.0	12520.00	100.2
LEAD	500.0	505.10	101.0
MAGNESIUM	12500.0	12520.00	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 15:52

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12310.00	98.5
CALCIUM	12500.0	12500.00	100.0
IRON	12500.0	12410.00	99.3
LEAD	500.0	500.60	100.1
MAGNESIUM	12500.0	12420.00	99.4

SAMPLE: CCV

File: IGG15A Jul 15, 2013 16:46

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12310.00	98.5
CALCIUM	12500.0	12530.00	100.2
IRON	12500.0	12370.00	99.0
LEAD	500.0	498.00	99.6
MAGNESIUM	12500.0	12290.00	98.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 17:40

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12320.00	98.6
CALCIUM	12500.0	12740.00	101.9
IRON	12500.0	12440.00	99.5
LEAD	500.0	498.20	99.6
MAGNESIUM	12500.0	12330.00	98.6

SAMPLE: CCV

File: IGG15A Jul 15, 2013 18:34

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12260.00	98.1
CALCIUM	12500.0	12530.00	100.2
IRON	12500.0	12290.00	98.3
LEAD	500.0	497.70	99.5
MAGNESIUM	12500.0	12310.00	98.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 19:27

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12420.00	99.4
CALCIUM	12500.0	12630.00	101.0
IRON	12500.0	12320.00	98.6
LEAD	500.0	504.00	100.8
MAGNESIUM	12500.0	12450.00	99.6

SAMPLE: CCV

File: IGG15A Jul 15, 2013 20:21

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12680.00	101.4
CALCIUM	12500.0	12910.00	103.3
IRON	12500.0	12670.00	101.4
LEAD	500.0	507.80	101.6
MAGNESIUM	12500.0	12530.00	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 21:15

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12850.00	102.8
CALCIUM	12500.0	13170.00	105.4
IRON	12500.0	12870.00	103.0
LEAD	500.0	523.80	104.8
MAGNESIUM	12500.0	12940.00	103.5

SAMPLE: CCV

File: IGG15A Jul 15, 2013 21:46

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12660.00	101.3
CALCIUM	12500.0	13100.00	104.8
IRON	12500.0	12700.00	101.6
LEAD	500.0	523.40	104.7
MAGNESIUM	12500.0	12910.00	103.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG16A Jul 16, 2013 14:25

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9762.00	97.6
CALCIUM	10000.0	10260.00	102.6
IRON	10000.0	9921.00	99.2
LEAD	400.0	401.00	100.3
MAGNESIUM	10000.0	9983.00	99.8

SAMPLE: CCV

File: IGG16A Jul 16, 2013 15:02

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12280.00	98.2
CALCIUM	12500.0	12730.00	101.8
IRON	12500.0	12540.00	100.3
LEAD	500.0	503.20	100.6
MAGNESIUM	12500.0	12540.00	100.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG16A Jul 16, 2013 15:56

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	11990.00	95.9
CALCIUM	12500.0	12590.00	100.7
IRON	12500.0	12330.00	98.6
LEAD	500.0	505.40	101.1
MAGNESIUM	12500.0	12630.00	101.0

SAMPLE: CCV

File: IGG16A Jul 16, 2013 16:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12120.00	97.0
CALCIUM	12500.0	12630.00	101.0
IRON	12500.0	12490.00	99.9
LEAD	500.0	500.20	100.0
MAGNESIUM	12500.0	12470.00	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG17A Jul 17, 2013 15:50

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9923.00	99.2
CALCIUM	10000.0	10240.00	102.4
IRON	10000.0	10010.00	100.1
LEAD	400.0	401.60	100.4
MAGNESIUM	10000.0	9961.00	99.6

SAMPLE: CCV

File: IGG17A Jul 17, 2013 16:13

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12900.00	103.2
IRON	12500.0	12530.00	100.2
LEAD	500.0	504.60	100.9
MAGNESIUM	12500.0	12710.00	101.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG17A Jul 17, 2013 17:06

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12960.00	103.7
IRON	12500.0	12580.00	100.6
LEAD	500.0	511.10	102.2
MAGNESIUM	12500.0	12910.00	103.3

SAMPLE: CCV

File: IGG17A Jul 17, 2013 18:00

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12660.00	101.3
CALCIUM	12500.0	12880.00	103.0
IRON	12500.0	12650.00	101.2
LEAD	500.0	504.50	100.9
MAGNESIUM	12500.0	12680.00	101.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG17A Jul 17, 2013 18:54

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
CALCIUM	12500.0	12730.00	101.8
IRON	12500.0	12470.00	99.8
LEAD	500.0	502.00	100.4
MAGNESIUM	12500.0	12620.00	101.0

SAMPLE: CCV

File: IGG17A Jul 17, 2013 19:48

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12450.00	99.6
CALCIUM	12500.0	12680.00	101.4
IRON	12500.0	12400.00	99.2
LEAD	500.0	501.70	100.3
MAGNESIUM	12500.0	12610.00	100.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG17A Jul 17, 2013 20:42

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12480.00	99.8
CALCIUM	12500.0	12770.00	102.2
IRON	12500.0	12530.00	100.2
LEAD	500.0	504.80	101.0
MAGNESIUM	12500.0	12690.00	101.5

SAMPLE: CCV

File: IGG17A Jul 17, 2013 21:36

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12890.00	103.1
IRON	12500.0	12810.00	102.5
LEAD	500.0	507.10	101.4
MAGNESIUM	12500.0	12770.00	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG18A Jul 18, 2013 12:48

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10010.00	100.1
CALCIUM	10000.0	10340.00	103.4
IRON	10000.0	10040.00	100.4
LEAD	400.0	416.30	104.1
MAGNESIUM	10000.0	10380.00	103.8

SAMPLE: CCV

File: IGG18A Jul 18, 2013 13:10

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12840.00	102.7
CALCIUM	12500.0	12680.00	101.4
IRON	12500.0	12810.00	102.5
LEAD	500.0	502.10	100.4
MAGNESIUM	12500.0	12640.00	101.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG18A Jul 18, 2013 14:04

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12870.00	103.0
CALCIUM	12500.0	12750.00	102.0
IRON	12500.0	12850.00	102.8
LEAD	500.0	509.90	102.0
MAGNESIUM	12500.0	12880.00	103.0

SAMPLE: CCV

File: IGG18A Jul 18, 2013 14:57

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12770.00	102.2
CALCIUM	12500.0	12880.00	103.0
IRON	12500.0	13130.00	105.0
LEAD	500.0	513.90	102.8
MAGNESIUM	12500.0	12950.00	103.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG11A Jul 11, 2013 14:17

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.10	99.0
CALCIUM	100.0	100.70	100.7
IRON	100.0	98.69	98.7
LEAD	5.0	4.35	87.0
MAGNESIUM	100.0	106.70	106.7

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG12A Jul 12, 2013 14:57

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	312.10	104.0
CALCIUM	100.0	108.90	108.9
IRON	100.0	100.20	100.2
LEAD	5.0	5.16	103.2
MAGNESIUM	100.0	106.10	106.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG15A Jul 15, 2013 14:32

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.50	99.2
CALCIUM	100.0	105.20	105.2
IRON	100.0	100.80	100.8
LEAD	5.0	4.42	88.4
MAGNESIUM	100.0	104.90	104.9

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG16A Jul 16, 2013 14:34

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.80	99.3
CALCIUM	100.0	96.97	97.0
IRON	100.0	103.80	103.8
LEAD	5.0	4.94	98.8
MAGNESIUM	100.0	105.60	105.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG17A Jul 17, 2013 15:59

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	309.00	103.0
CALCIUM	100.0	110.90	110.9
IRON	100.0	104.40	104.4
LEAD	5.0	5.06	101.2
MAGNESIUM	100.0	111.70	111.7

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG18A Jul 18, 2013 12:57

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	327.70	109.2
CALCIUM	100.0	102.00	102.0
IRON	100.0	102.00	102.0
LEAD	5.0	4.89	97.8
MAGNESIUM	100.0	110.50	110.5

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG11A Jul 11, 2013 14:12

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 14:48

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 15:41

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.551	J
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG11A Jul 11, 2013 16:35

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 17:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 18:22

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG11A Jul 11, 2013 19:15

Analyte	Result	C
ALUMINUM	-19.540	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 19:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG12A Jul 12, 2013 14:52

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 15:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.052	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 16:22

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 12, 2013 17:15

Analyte	Result	C
ALUMINUM	-18.030	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.495	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 18:08

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	6.978	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 19:02

Analyte	Result	C
ALUMINUM	-17.760	J
CALCIUM	8.730	U
IRON	4.594	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 12, 2013 19:55

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	5.446	J
LEAD	-1.310	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 20:49

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	10.680	J
IRON	4.275	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 21:42

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	9.995	J
IRON	6.746	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 12, 2013 22:37

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	7.651	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 23:30

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	10.480	J
IRON	5.667	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 13, 2013 0:24

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	21.970	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 13, 2013 1:13

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	10.430	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG15A Jul 15, 2013 14:27

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 15:04

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 15:57

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG15A Jul 15, 2013 16:51

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	9.919	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 17:44

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 18:38

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.257	J
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG15A Jul 15, 2013 19:32

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	11.180	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 20:26

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.076	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 21:19

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	11.770	J
IRON	4.159	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG15A Jul 15, 2013 21:50

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	4.574	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG16A Jul 16, 2013 14:30

Analyte	Result	C
ALUMINUM	-20.210	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.172	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG16A Jul 16, 2013 15:06

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	4.110	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG16A Jul 16, 2013 16:00

Analyte	Result	C
ALUMINUM	-21.940	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG16A Jul 16, 2013 16:54

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG17A Jul 17, 2013 15:55

Analyte	Result	C
ALUMINUM	20.230	J
CALCIUM	8.730	U
IRON	16.350	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 16:17

Analyte	Result	C
ALUMINUM	-28.890	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 17:11

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG17A Jul 17, 2013 18:04

Analyte	Result	C
ALUMINUM	40.190	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 18:58

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 19:52

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG17A Jul 17, 2013 20:46

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 21:40

Analyte	Result	C
ALUMINUM	-20.470	J
CALCIUM	9.218	J
IRON	5.783	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG18A Jul 18, 2013 12:52

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG18A Jul 18, 2013 13:15

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG18A Jul 18, 2013 14:08

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG18A Jul 18, 2013 15:02

Analyte	Result	C
ALUMINUM	-28.580	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG10ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG10ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG11ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG11ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG12ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG12ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG15ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG15ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.367	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG11A Jul 11, 2013 14:35

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491900	98.4
CALCIUM	500000	482200	96.4
IRON	200000	187400	93.7
LEAD	0	-1	
MAGNESIUM	500000	460400	92.1

SAMPLE: ICSAB

File: IGG11A Jul 11, 2013 14:40

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	494900	99.0
CALCIUM	500000	481100	96.2
IRON	200000	188100	94.0
LEAD	50	43	86.0
MAGNESIUM	500000	467800	93.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG12A Jul 12, 2013 15:15

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491200	98.2
CALCIUM	500000	483600	96.7
IRON	200000	187300	93.7
LEAD	0	1	
MAGNESIUM	500000	459400	91.9

SAMPLE: ICSAB

File: IGG12A Jul 12, 2013 15:20

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	494700	98.9
CALCIUM	500000	481600	96.3
IRON	200000	188400	94.2
LEAD	50	50	100.0
MAGNESIUM	500000	465000	93.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG15A Jul 15, 2013 14:50

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	478800	95.8
CALCIUM	500000	476500	95.3
IRON	200000	183200	91.6
LEAD	0	1	
MAGNESIUM	500000	461900	92.4

SAMPLE: ICSAB

File: IGG15A Jul 15, 2013 14:55

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	490700	98.1
CALCIUM	500000	480200	96.0
IRON	200000	187100	93.5
LEAD	50	46	92.0
MAGNESIUM	500000	455300	91.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG16A Jul 16, 2013 14:53

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	485700	97.1
CALCIUM	500000	479800	96.0
IRON	200000	185100	92.5
LEAD	0	1	
MAGNESIUM	500000	466200	93.2

SAMPLE: ICSAB

File: IGG16A Jul 16, 2013 14:57

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	485300	97.1
CALCIUM	500000	490400	98.1
IRON	200000	186400	93.2
LEAD	50	47	94.0
MAGNESIUM	500000	471000	94.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG17A Jul 17, 2013 16:04

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	497700	99.5
CALCIUM	500000	491100	98.2
IRON	200000	188300	94.2
LEAD	0	0	
MAGNESIUM	500000	444500	88.9

SAMPLE: ICSAB

File: IGG17A Jul 17, 2013 16:08

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491600	98.3
CALCIUM	500000	489800	98.0
IRON	200000	186000	93.0
LEAD	50	44	88.0
MAGNESIUM	500000	445200	89.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG18A Jul 18, 2013 13:01

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	498600	99.7
CALCIUM	500000	497200	99.4
IRON	200000	194000	97.0
LEAD	0	-2	
MAGNESIUM	500000	431100	86.2

SAMPLE: ICSAB

File: IGG18A Jul 18, 2013 13:06

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	493900	98.8
CALCIUM	500000	492200	98.4
IRON	200000	192600	96.3
LEAD	50	42	84.0
MAGNESIUM	500000	429500	85.9

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	44.6241		31.8922		11.26	113.1		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	42.7489		31.8922		11.72	92.6		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	205.4969		117.6963		11.38	771.5		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	201.2919		117.6963		11.57	722.5		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	19.1625		11.5816		8.34	90.9		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	20.5575		11.5816		8.22	109.2		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	28.6876		24.7984		7.15	54.4	N	80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	32.0836		24.7984		7.19	101.3		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	261.0289		247.2763		6.69	205.6		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	250.4521		247.2763		6.87	46.2		80	120	P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	767.7000		281.0000		500	97.3		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	1511.0000		1042.0000		500	93.8		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	608.300		140.9000		500	93.6		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	816.5000		342.8000		500	94.7		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	4018.0000		3582.0000		500	87.2		75	125	P

Comments:

FORM V (Part 2) - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		42.7489		44.6241		4.3		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		201.2919		205.4969		2.1		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		20.5575		19.1625		7.0		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		32.0836		28.6876		11.2		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		250.4521		261.0289		4.1		P

Comments:

FORM VD - IN

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2OGG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.17	101.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG10ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG10ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.19	101.9	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG11ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG11ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.36	103.6	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG12ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG12ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.41	104.1	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG15ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG15ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.56	105.6	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.00	100.0	80	120

7D

LABORATORY CONTROL SAMPLE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1 **Lab Sample ID:** LCSOGG17ICS1

Concentration Units: mg/Kgdrywt

Analyte	Control Limit (%)	LCS Result	LCS Dup. Result	RPD(%)	Q
LEAD	20.0	10.00	10.17	1.7	

FORM VIID - IN

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS223-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4772-010L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
LEAD, TOTAL	281.00			289.40		3.0		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS224-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4789-002L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	1042.00		1049.00		0.7		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS241-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4789-009L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	140.90		144.50		2.6		P

FORM IX - IN

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS255-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4872-013L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
LEAD, TOTAL	342.80			357.30		4.2		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS257-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4875-009L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	3582.00		3770.00		5.2		P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 5/21/2012

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	16.80	P
CALCIUM	100	8.73	P
IRON	100	3.95	P
LEAD	5.0	1.04	P
MAGNESIUM	100	7.72	P

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
LEAD	0.40	mg/Kg	P	SW846 3050B / SW846 6010C

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
LEAD	0.09	mg/Kg	P	SW846 3050B / SW846 6010C

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument Name: THERMO ICAP 6500 **Instrument ID:** I **Date:** 12/5/2011

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As	Cr	Co	Cu	Mn	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0443000	0.0	0.0	0.0
ANTIMONY	206.83	0.0000030	0.0	0.0000460	0.0	-0.0001490	0.0106000	0.0	0.0	0.0	-0.0039900	-0.0009470	0.0	-0.0007350
ARSENIC	189.04	0.0000030	0.0	-0.0002090	0.0	0.0	0.0001970	0.0	0.0	0.0	0.0004240	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006860	0.0003880
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0534000	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000800	0.0000910	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0001110	0.0	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002140	0.0017700	0.0
COPPER	327.40	0.0000030	0.0	0.0000010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0000910
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD	220.35	-0.0001520	0.0	0.0000300	0.0	0.0	0.0	0.0000540	0.0009460	0.0	-0.0006970	0.0002080	0.0000970	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.58	0.0	0.0	0.0000190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0007070	0.0
MANGANESE	257.61	0.0000009	0.0	0.0000100	-0.0000037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001920
NICKEL	231.60	0.0	0.0	-0.0000390	0.0	0.0	0.0	-0.0001380	0.0	0.0	0.0005880	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	0.0000180	0.0	0.0000160	0.0	-0.0001750	0.0	0.0001290	0.0	0.0008190	0.0	0.0	0.0	-0.0002070
SILICON	251.61	0.0	0.0	-0.0001400	0.0	0.0	0.0	0.0	0.0	0.0	0.0116000	0.0	0.0009940	0.0
SILVER	328.07	0.0	0.0	-0.0004020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0009490	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000050	0.0	0.0000050	0.0	0.0	0.0	0.0046300	-0.0001610	-0.0014000	-0.0000380	0.0	-0.0011200	-0.0009970
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001290	0.0	0.0	0.0	0.0004770	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000110	0.0	0.0	-0.0043000	0.0	0.0	-0.0006810	-0.0049500	0.0	0.0007110	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0011400	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 6/22/2012

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
CALCIUM	5.00	1000000	P
IRON	5.00	300000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	500000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG10ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/10/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG10ICS1	LCSOGG10ICS1	1	0.1	
PBSGG10ICS1	PBSGG10ICS1	1	0.1	
SKT-PD1-SS233-0003	SG4772-001	1.27	0.1	A
SKT-PD1-SS234-0003	SG4772-002	1.88	0.1	A
SKT-PD1-SS210-0003	SG4772-003	1.49	0.1	A
SKT-PD1-SS209-0003	SG4772-004	1.66	0.1	A
SKT-PD1-SS208-0003	SG4772-005	1.38	0.1	A
SKT-PD1-SS211-0003	SG4772-006	1.76	0.1	A
SKT-PD1-SS244-0003	SG4772-007	1.41	0.1	A
SKT-PD1-SS222-0003	SG4772-008	1.25	0.1	A
SKT-PD1-SS221-0003	SG4772-009	1.39	0.1	A
SKT-PD1-SS223-0003	SG4772-010	1.26	0.1	A
SKT-PD1-SS223-0003P	SG4772-010P	1.27	0.1	A
SKT-PD1-SS223-0003S	SG4772-010S	1.22	0.1	A
T-PD1-SS223-0003-00	SG4772-011	1.36	0.1	A
SKT-PD1-SS261-0003	SG4772-012	1.39	0.1	A
SKT-PD1-SS263-0003	SG4772-013	1.34	0.1	A
SKT-PD1-SS262-0003	SG4772-014	1.24	0.1	A
SKT-PD1-SS220-0003	SG4772-015	1.82	0.1	A
SKT-PD1-SS229-0003	SG4772-016	1.62	0.1	A
SKT-PD1-SS230-0003	SG4772-017	1.27	0.1	A
SKT-PD1-SS231-0003	SG4772-018	1.2	0.1	A
SKT-PD1-SS228-0003	SG4772-019	1.39	0.1	A
SKT-PD1-SS226-0003	SG4772-020	1.16	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG11ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/11/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG11ICS1	LCSOGG11ICS1	1	0.1	
PBSGG11ICS1	PBSGG11ICS1	1	0.1	
SKT-PD1-SS225-0003	SG4789-001	1.71	0.1	A
SKT-PD1-SS224-0003	SG4789-002	1.27	0.1	A
SKT-PD1-SS224-0003P	SG4789-002P	1.26	0.1	A
SKT-PD1-SS224-0003S	SG4789-002S	1.24	0.1	A
T-PD1-SS224-0003-00	SG4789-003	1.33	0.1	A
SKT-PD1-SS254-0003	SG4789-004	1.55	0.1	A
SKT-PD1-SS252-0003	SG4789-005	1.46	0.1	A
SKT-PD1-SS253-0003	SG4789-006	1.86	0.1	A
SKT-PD1-SS240-0003	SG4789-007	1.29	0.1	A
SKT-PD1-SS239-0003	SG4789-008	1.53	0.1	A
SKT-PD1-SS241-0003	SG4789-009	1.36	0.1	A
SKT-PD1-SS241-0003P	SG4789-009P	1.34	0.1	A
SKT-PD1-SS241-0003S	SG4789-009S	1.36	0.1	A
T-PD1-SS241-0003-00	SG4789-010	1.67	0.1	A
SKT-PD1-SS242-0003	SG4789-011	1.26	0.1	A
SKT-PD1-SS213-0003	SG4789-012	1.46	0.1	A
SKT-PD1-SS212-0003	SG4789-013	1.35	0.1	A
SKT-PD1-SS214-0003	SG4789-014	1.53	0.1	A
SKT-PD1-SS238-0003	SG4789-015	1.41	0.1	A
SKT-PD1-SS237-0003	SG4789-016	1.42	0.1	A
SKT-PD1-SS236-0003	SG4789-017	1.92	0.1	A
SKT-PD1-SS232-0003	SG4789-018	1.59	0.1	A
SKT-PD1-SS235-0003	SG4789-019	1.24	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG12ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/12/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG12ICS1	LCSOGG12ICS1	1	0.1	
PBSGG12ICS1	PBSGG12ICS1	1	0.1	
SKT-PD1-SS227-0003	SG4872-001	1.32	0.1	A
SKT-PD1-SS259-0003	SG4872-002	1.51	0.1	A
SKT-PD1-SS258-0003	SG4872-003	1.4	0.1	A
SKT-PD1-SS248-0003	SG4872-004	1.58	0.1	A
SKT-PD1-SS250-0003	SG4872-005	1.47	0.1	A
SKT-PD1-SS251-0003	SG4872-006	1.83	0.1	A
SKT-PD1-SS249-0003	SG4872-007	1.37	0.1	A
SKT-PD1-SS203-0003	SG4872-008	1.74	0.1	A
SKT-PD1-SS202-0003	SG4872-009	1.41	0.1	A
SKT-PD1-SS201-0003	SG4872-010	1.6	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG15ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/15/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG15ICS1	LCSOGG15ICS1	1	0.1	
PBSGG15ICS1	PBSGG15ICS1	1	0.1	
SKT-PD1-SS200-0003	SG4872-011	1.21	0.1	A
SKT-PD1-SS215-0003	SG4872-012	1.77	0.1	A
SKT-PD1-SS255-0003	SG4872-013	1.71	0.1	A
SKT-PD1-SS255-0003P	SG4872-013P	1.73	0.1	A
SKT-PD1-SS255-0003S	SG4872-013S	1.72	0.1	A
PD1-SS255-0003-00	SG4872-014	1.15	0.1	A
SKT-PD1-SS256-0003	SG4872-015	1.5	0.1	A
SKT-PD1-SS206-0003	SG4872-016	1.38	0.1	A
SKT-PD1-SS205-0003	SG4872-017	1.42	0.1	A
SKT-PD1-SS204-0003	SG4872-018	1.51	0.1	A
SKT-PD1-SS207-0003	SG4872-019	1.21	0.1	A
SKT-PD1-SS260-0003	SG4872-020	1.8	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/17/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LC2OGG17ICS1	LC2OGG17ICS1	1	0.1	
LCSOGG17ICS1	LCSOGG17ICS1	1	0.1	
PBSGG17ICS1	PBSGG17ICS1	1	0.1	
SKT-PD1-SS243-0003	SG4875-001	1.59	0.1	A
SKT-PD1-SS219-0003	SG4875-002	1.65	0.1	A
SKT-PD1-SS218-0003	SG4875-003	1.54	0.1	A
SKT-PD1-SS216-0003	SG4875-004	1.45	0.1	A
SKT-PD1-SS217-0003	SG4875-005	1.77	0.1	A
SKT-PD1-SS245-0003	SG4875-006	1.33	0.1	A
SKT-PD1-SS246-0003	SG4875-007	1.27	0.1	A
SKT-PD1-SS247-0003	SG4875-008	1.55	0.1	A
SKT-PD1-SS257-0003	SG4875-009	1.91	0.1	A
SKT-PD1-SS257-0003P	SG4875-009P	1.97	0.1	A
SKT-PD1-SS257-0003S	SG4875-009S	1.92	0.1	A
PD1-SS257-0003-00	SG4875-010	1.62	0.1	A

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG11A

Date: 7/11/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	13:59	AL	CA	FE	PB	MG	
Std 1		1	14:04	AL	CA	FE	PB	MG	
ICV		1	14:08	AL	CA	FE	PB	MG	
ICB		1	14:12	AL	CA	FE	PB	MG	
PQL		1	14:17	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:21						
ZZZZZZ		1	14:26						
ICSA		1	14:35	AL	CA	FE	PB	MG	
ICSAB		1	14:40	AL	CA	FE	PB	MG	
CCV		1	14:44	AL	CA	FE	PB	MG	
CCB		1	14:48	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:53						
ZZZZZZ		1	14:57						
ZZZZZZ		1	15:02						
ZZZZZZ		1	15:06						
ZZZZZZ		1	15:11						
ZZZZZZ		5	15:15						
ZZZZZZ		1	15:20						
ZZZZZZ		1	15:24						
ZZZZZZ		1	15:28						
ZZZZZZ		2	15:33						
CCV		1	15:37	AL	CA	FE	PB	MG	
CCB		1	15:41	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:46						
ZZZZZZ		1	15:50						
ZZZZZZ		1	15:55						
ZZZZZZ		1	15:59						
ZZZZZZ		2	16:04						
ZZZZZZ		10	16:08						
ZZZZZZ		2	16:13						
ZZZZZZ		2	16:17						
ZZZZZZ		2	16:21						
ZZZZZZ		25	16:26						
CCV		1	16:30	AL	CA	FE	PB	MG	
CCB		1	16:35	AL	CA	FE	PB	MG	
ZZZZZZ		25	16:39						
ZZZZZZ		25	16:44						
ZZZZZZ		1	16:48						
ZZZZZZ		1	16:53						
ZZZZZZ		1	16:57						
LCSOGG10ICS1		1	17:02				PB		
PBSGG10ICS1		1	17:06				PB		
SG4772-001	SKT-PD1-SS233-0003	1	17:11				PB		
ZZZZZZ		1	17:15						
SG4772-003	SKT-PD1-SS210-0003	1	17:20				PB		
CCV		1	17:24	AL	CA	FE	PB	MG	
CCB		1	17:28	AL	CA	FE	PB	MG	
SG4772-004	SKT-PD1-SS209-0003	1	17:33				PB		
SG4772-005	SKT-PD1-SS208-0003	1	17:37				PB		
SG4772-006	SKT-PD1-SS211-0003	1	17:42				PB		

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG11A

Date: 7/11/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
SG4772-007	SKT-PD1-SS244-0003	1	17:46					PB		
SG4772-008	SKT-PD1-SS222-0003	1	17:51					PB		
SG4772-009	SKT-PD1-SS221-0003	1	17:55					PB		
SG4772-010	SKT-PD1-SS223-0003	1	18:00					PB		
SG4772-010L	SKT-PD1-SS223-0003L	5	18:04					PB		
ZZZZZZ		1	18:09							
SG4772-010P	SKT-PD1-SS223-0003P	1	18:13					PB		
CCV		1	18:17	AL		CA	FE	PB	MG	
CCB		1	18:22	AL		CA	FE	PB	MG	
SG4772-010S	SKT-PD1-SS223-0003S	1	18:26					PB		
SG4772-011	T-PD1-SS223-0003-00	1	18:31					PB		
SG4772-012	SKT-PD1-SS261-0003	1	18:35					PB		
SG4772-013	SKT-PD1-SS263-0003	1	18:40					PB		
SG4772-014	SKT-PD1-SS262-0003	1	18:44					PB		
SG4772-015	SKT-PD1-SS220-0003	1	18:48					PB		
SG4772-016	SKT-PD1-SS229-0003	1	18:53					PB		
SG4772-017	SKT-PD1-SS230-0003	1	18:57					PB		
SG4772-018	SKT-PD1-SS231-0003	1	19:02					PB		
SG4772-019	SKT-PD1-SS228-0003	1	19:06					PB		
CCV		1	19:11	AL		CA	FE	PB	MG	
CCB		1	19:15	AL		CA	FE	PB	MG	
SG4772-020	SKT-PD1-SS226-0003	1	19:20					PB		
CCV		1	19:24	AL		CA	FE	PB	MG	
CCB		1	19:28	AL		CA	FE	PB	MG	

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG12A

Date: 7/12/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:39	AL	CA	FE	PB	MG	
Std 1		1	14:44	AL	CA	FE	PB	MG	
ICV		1	14:48	AL	CA	FE	PB	MG	
ICB		1	14:52	AL	CA	FE	PB	MG	
PQL		1	14:57	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:01						
ZZZZZZ		1	15:06						
ICSA		1	15:15	AL	CA	FE	PB	MG	
ICSAB		1	15:20	AL	CA	FE	PB	MG	
CCV		1	15:24	AL	CA	FE	PB	MG	
CCB		1	15:28	AL	CA	FE	PB	MG	
SG4772-002	SKT-PD1-SS234-0003	2	15:33				PB		
LCSOGG11ICS1		1	15:37				PB		
PBSGG11ICS1		1	15:42				PB		
SG4789-001	SKT-PD1-SS225-0003	1	15:46				PB		
SG4789-002	SKT-PD1-SS224-0003	1	15:51				PB		
SG4789-002L	SKT-PD1-SS224-0003L	5	15:55				PB		
SG4789-002A	SKT-PD1-SS224-0003A	1	16:00						
SG4789-002P	SKT-PD1-SS224-0003P	1	16:04				PB		
SG4789-002S	SKT-PD1-SS224-0003S	1	16:08				PB		
SG4789-003	T-PD1-SS224-0003-00	1	16:13				PB		
CCV		1	16:17	AL	CA	FE	PB	MG	
CCB		1	16:22	AL	CA	FE	PB	MG	
SG4772-010A	SKT-PD1-SS223-0003A	1	16:26				PB		
SG4789-004	SKT-PD1-SS254-0003	1	16:31				PB		
SG4789-005	SKT-PD1-SS252-0003	1	16:35				PB		
SG4789-006	SKT-PD1-SS253-0003	1	16:39				PB		
SG4789-007	SKT-PD1-SS240-0003	1	16:44				PB		
SG4789-008	SKT-PD1-SS239-0003	1	16:48				PB		
SG4789-009	SKT-PD1-SS241-0003	1	16:53				PB		
SG4789-009L	SKT-PD1-SS241-0003L	5	16:57				PB		
SG4789-009A	SKT-PD1-SS241-0003A	1	17:02				PB		
SG4789-009P	SKT-PD1-SS241-0003P	1	17:06				PB		
CCV		1	17:10	AL	CA	FE	PB	MG	
CCB		1	17:15	AL	CA	FE	PB	MG	
SG4789-009S	SKT-PD1-SS241-0003S	1	17:19				PB		
SG4789-010	T-PD1-SS241-0003-00	1	17:24				PB		
SG4789-011	SKT-PD1-SS242-0003	1	17:28				PB		
SG4789-012	SKT-PD1-SS213-0003	1	17:33				PB		
SG4789-013	SKT-PD1-SS212-0003	1	17:37				PB		
SG4789-014	SKT-PD1-SS214-0003	1	17:41				PB		
SG4789-015	SKT-PD1-SS238-0003	1	17:46				PB		
SG4789-016	SKT-PD1-SS237-0003	1	17:50				PB		
SG4789-017	SKT-PD1-SS236-0003	1	17:55				PB		
SG4789-018	SKT-PD1-SS232-0003	1	17:59				PB		
CCV		1	18:04	AL	CA	FE	PB	MG	
CCB		1	18:08	AL	CA	FE	PB	MG	
SG4789-019	SKT-PD1-SS235-0003	1	18:13				PB		
ZZZZZZ		1	18:17						
ZZZZZZ		1	18:21						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG12A

Date: 7/12/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements		
ZZZZZZ		1	18:26			
ZZZZZZ		1	18:30			
ZZZZZZ		1	18:35			
ZZZZZZ		1	18:39			
ZZZZZZ		1	18:44			
ZZZZZZ		1	18:48			
ZZZZZZ		1	18:53			
CCV		1	18:57	AL	CA	FE PB MG
CCB		1	19:02	AL	CA	FE PB MG
ZZZZZZ		1	19:06			
ZZZZZZ		5	19:11			
ZZZZZZ		1	19:15			
ZZZZZZ		1	19:19			
ZZZZZZ		1	19:24			
ZZZZZZ		1	19:28			
ZZZZZZ		1	19:33			
ZZZZZZ		1	19:37			
ZZZZZZ		1	19:42			
ZZZZZZ		1	19:46			
CCV		1	19:51	AL	CA	FE PB MG
CCB		1	19:55	AL	CA	FE PB MG
ZZZZZZ		1	20:00			
ZZZZZZ		1	20:04			
ZZZZZZ		1	20:09			
ZZZZZZ		1	20:13			
ZZZZZZ		1	20:17			
ZZZZZZ		1	20:22			
ZZZZZZ		1	20:26			
ZZZZZZ		1	20:31			
ZZZZZZ		1	20:35			
ZZZZZZ		1	20:40			
CCV		1	20:44	AL	CA	FE PB MG
CCB		1	20:49	AL	CA	FE PB MG
ZZZZZZ		1	20:53			
ZZZZZZ		1	20:58			
ZZZZZZ		1	21:02			
ZZZZZZ		1	21:07			
ZZZZZZ		1	21:11			
ZZZZZZ		5	21:16			
ZZZZZZ		1	21:20			
ZZZZZZ		1	21:25			
ZZZZZZ		1	21:29			
ZZZZZZ		1	21:34			
CCV		1	21:38	AL	CA	FE PB MG
CCB		1	21:42	AL	CA	FE PB MG
ZZZZZZ		1	21:47			
ZZZZZZ		1	21:51			
ZZZZZZ		1	21:56			
ZZZZZZ		1	22:01			
ZZZZZZ		1	22:05			
ZZZZZZ		1	22:10			

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG12A

Date: 7/12/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	22:14	
ZZZZZZ		1	22:19	
ZZZZZZ		1	22:23	
ZZZZZZ		1	22:28	
CCV		1	22:32	AL CA FE PB MG
CCB		1	22:37	AL CA FE PB MG
ZZZZZZ		1	22:41	
ZZZZZZ		1	22:46	
PBSGG12ICS1		1	22:50	PB
LCSOGG12ICS1		1	22:55	PB
ZZZZZZ		1	22:59	
ZZZZZZ		5	23:04	
ZZZZZZ		1	23:08	
ZZZZZZ		1	23:13	
ZZZZZZ		1	23:17	
ZZZZZZ		1	23:21	
CCV		1	23:26	AL CA FE PB MG
CCB		1	23:30	AL CA FE PB MG
ZZZZZZ		1	23:35	
ZZZZZZ		1	23:39	
ZZZZZZ		1	23:44	
ZZZZZZ		1	23:48	
ZZZZZZ		1	23:53	
ZZZZZZ		1	23:57	
ZZZZZZ		1	0:02	
ZZZZZZ		1	0:06	
ZZZZZZ		5	0:11	
SG4872-001	SKT-PD1-SS227-0003	1	0:15	PB
CCV		1	0:20	AL CA FE PB MG
CCB		1	0:24	AL CA FE PB MG
SG4872-002	SKT-PD1-SS259-0003	1	0:29	PB
SG4872-003	SKT-PD1-SS258-0003	1	0:33	PB
SG4872-004	SKT-PD1-SS248-0003	1	0:38	PB
SG4872-005	SKT-PD1-SS250-0003	1	0:42	PB
ZZZZZZ		1	0:47	
SG4872-007	SKT-PD1-SS249-0003	1	0:51	PB
SG4872-008	SKT-PD1-SS203-0003	1	0:55	PB
SG4872-009	SKT-PD1-SS202-0003	1	1:00	PB
SG4872-010	SKT-PD1-SS201-0003	1	1:04	PB
CCV		1	1:09	AL CA FE PB MG
CCB		1	1:13	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG15A

Date: 7/15/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:14	AL	CA	FE	PB	MG	
Std 1		1	14:19	AL	CA	FE	PB	MG	
ICV		1	14:23	AL	CA	FE	PB	MG	
ICB		1	14:27	AL	CA	FE	PB	MG	
PQL		1	14:32	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:36						
ZZZZZZ		1	14:41						
ICSA		1	14:50	AL	CA	FE	PB	MG	
ICSAB		1	14:55	AL	CA	FE	PB	MG	
CCV		1	14:59	AL	CA	FE	PB	MG	
CCB		1	15:04	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:08						
ZZZZZZ		1	15:12						
ZZZZZZ		1	15:17						
ZZZZZZ		1	15:21						
ZZZZZZ		1	15:26						
ZZZZZZ		1	15:30						
ZZZZZZ		1	15:34						
ZZZZZZ		1	15:39						
ZZZZZZ		1	15:43						
ZZZZZZ		1	15:48						
CCV		1	15:52	AL	CA	FE	PB	MG	
CCB		1	15:57	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:01						
ZZZZZZ		5	16:06						
ZZZZZZ		2	16:10						
ZZZZZZ		5	16:15						
SG4872-006	SKT-PD1-SS251-0003	10	16:19				PB		
ZZZZZZ		1	16:24						
ZZZZZZ		1	16:28						
ZZZZZZ		1	16:33						
ZZZZZZ		1	16:37						
ZZZZZZ		1	16:42						
CCV		1	16:46	AL	CA	FE	PB	MG	
CCB		1	16:51	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:55						
ZZZZZZ		1	17:00						
ZZZZZZ		1	17:04						
ZZZZZZ		1	17:09						
ZZZZZZ		1	17:13						
ZZZZZZ		5	17:18						
ZZZZZZ		1	17:22						
ZZZZZZ		1	17:27						
ZZZZZZ		1	17:31						
ZZZZZZ		1	17:35						
CCV		1	17:40	AL	CA	FE	PB	MG	
CCB		1	17:44	AL	CA	FE	PB	MG	
ZZZZZZ		1	17:49						
ZZZZZZ		1	17:53						
ZZZZZZ		1	17:58						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG15A

Date: 7/15/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	18:02	
ZZZZZZ		1	18:07	
ZZZZZZ		1	18:11	
ZZZZZZ		1	18:16	
ZZZZZZ		1	18:20	
ZZZZZZ		1	18:25	
ZZZZZZ		5	18:29	
CCV		1	18:34	AL CA FE PB MG
CCB		1	18:38	AL CA FE PB MG
ZZZZZZ		1	18:42	
ZZZZZZ		1	18:47	
ZZZZZZ		1	18:51	
ZZZZZZ		1	18:56	
ZZZZZZ		1	19:00	
ZZZZZZ		1	19:05	
ZZZZZZ		1	19:09	
ZZZZZZ		1	19:14	
ZZZZZZ		1	19:18	
ZZZZZZ		1	19:23	
CCV		1	19:27	AL CA FE PB MG
CCB		1	19:32	AL CA FE PB MG
ZZZZZZ		1	19:36	
ZZZZZZ		1	19:41	
PBSGG15ICS1		1	19:45	PB
LCSOGG15ICS1		1	19:50	PB
ZZZZZZ		1	19:54	
ZZZZZZ		1	19:59	
ZZZZZZ		1	20:03	
ZZZZZZ		1	20:08	
SG4872-011	SKT-PD1-SS200-0003	1	20:12	PB
ZZZZZZ		1	20:17	
CCV		1	20:21	AL CA FE PB MG
CCB		1	20:26	AL CA FE PB MG
SG4872-013	SKT-PD1-SS255-0003	1	20:30	PB
SG4872-013L	SKT-PD1-SS255-0003L	5	20:35	PB
SG4872-013A	SKT-PD1-SS255-0003A	1	20:39	PB
SG4872-013S	SKT-PD1-SS255-0003S	1	20:43	PB
SG4872-013P	SKT-PD1-SS255-0003P	1	20:48	PB
SG4872-014	PD1-SS255-0003-00	1	20:52	PB
SG4872-015	SKT-PD1-SS256-0003	1	20:57	PB
SG4872-016	SKT-PD1-SS206-0003	1	21:01	PB
SG4872-017	SKT-PD1-SS205-0003	1	21:06	PB
SG4872-018	SKT-PD1-SS204-0003	1	21:10	PB
CCV		1	21:15	AL CA FE PB MG
CCB		1	21:19	AL CA FE PB MG
SG4872-019	SKT-PD1-SS207-0003	1	21:24	PB
SG4872-020	SKT-PD1-SS260-0003	1	21:28	PB
ZZZZZZ		1	21:33	
ZZZZZZ		1	21:37	
ZZZZZZ		1	21:42	
CCV		1	21:46	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG15A

Date: 7/15/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
CCB		1	21:50	AL	CA	FE	PB	MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG16A

Date: 7/16/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
Blank		1	14:17	AL CA FE PB MG
Std 1		1	14:21	AL CA FE PB MG
ICV		1	14:25	AL CA FE PB MG
ICB		1	14:30	AL CA FE PB MG
PQL		1	14:34	AL CA FE PB MG
ZZZZZZ		1	14:39	
ZZZZZZ		1	14:44	
ICSA		1	14:53	AL CA FE PB MG
ICSAB		1	14:57	AL CA FE PB MG
CCV		1	15:02	AL CA FE PB MG
CCB		1	15:06	AL CA FE PB MG
ZZZZZZ		1	15:11	
ZZZZZZ		1	15:15	
ZZZZZZ		1	15:20	
ZZZZZZ		50	15:24	
ZZZZZZ		1	15:29	
ZZZZZZ		5	15:33	
ZZZZZZ		1	15:38	
ZZZZZZ		1	15:42	
ZZZZZZ		1	15:47	
ZZZZZZ		1	15:51	
CCV		1	15:56	AL CA FE PB MG
CCB		1	16:00	AL CA FE PB MG
SG4872-012	SKT-PD1-SS215-0003	2	16:04	PB
ZZZZZZ		100	16:09	
ZZZZZZ		5	16:13	
ZZZZZZ		10	16:18	
ZZZZZZ		10	16:22	
ZZZZZZ		2	16:27	
ZZZZZZ		1	16:31	
ZZZZZZ		1	16:36	
ZZZZZZ		1	16:40	
ZZZZZZ		1	16:45	
CCV		1	16:49	AL CA FE PB MG
CCB		1	16:54	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG17A

Date: 7/17/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	15:41	AL	CA	FE	PB	MG	
Std 1		1	15:46	AL	CA	FE	PB	MG	
ICV		1	15:50	AL	CA	FE	PB	MG	
ICB		1	15:55	AL	CA	FE	PB	MG	
PQL		1	15:59	AL	CA	FE	PB	MG	
ICSA		1	16:04	AL	CA	FE	PB	MG	
ICSAB		1	16:08	AL	CA	FE	PB	MG	
CCV		1	16:13	AL	CA	FE	PB	MG	
CCB		1	16:17	AL	CA	FE	PB	MG	
ZZZZZZ		2	16:22						
ZZZZZZ		2	16:26						
ZZZZZZ		1	16:30						
ZZZZZZ		1	16:35						
ZZZZZZ		1	16:39						
ZZZZZZ		1	16:44						
ZZZZZZ		1	16:48						
ZZZZZZ		1	16:53						
ZZZZZZ		1	16:57						
ZZZZZZ		1	17:02						
CCV		1	17:06	AL	CA	FE	PB	MG	
CCB		1	17:11	AL	CA	FE	PB	MG	
ZZZZZZ		2	17:15						
ZZZZZZ		5	17:20						
ZZZZZZ		1	17:24						
ZZZZZZ		1	17:29						
ZZZZZZ		1	17:33						
ZZZZZZ		1	17:38						
ZZZZZZ		1	17:42						
ZZZZZZ		1	17:46						
ZZZZZZ		5	17:51						
ZZZZZZ		1	17:56						
CCV		1	18:00	AL	CA	FE	PB	MG	
CCB		1	18:04	AL	CA	FE	PB	MG	
ZZZZZZ		1	18:09						
ZZZZZZ		1	18:13						
ZZZZZZ		1	18:18						
ZZZZZZ		1	18:22						
ZZZZZZ		1	18:27						
ZZZZZZ		1	18:31						
ZZZZZZ		5	18:36						
ZZZZZZ		1	18:40						
ZZZZZZ		1	18:45						
ZZZZZZ		1	18:49						
CCV		1	18:54	AL	CA	FE	PB	MG	
CCB		1	18:58	AL	CA	FE	PB	MG	
ZZZZZZ		1	19:03						
ZZZZZZ		1	19:07						
ZZZZZZ		5	19:12						
ZZZZZZ		1	19:16						
ZZZZZZ		1	19:21						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG17A

Date: 7/17/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	19:25	
ZZZZZZ		1	19:30	
ZZZZZZ		1	19:34	
ZZZZZZ		1	19:39	
ZZZZZZ		1	19:43	
CCV		1	19:48	AL CA FE PB MG
CCB		1	19:52	AL CA FE PB MG
ZZZZZZ		1	19:57	
ZZZZZZ		1	20:01	
ZZZZZZ		1	20:06	
ZZZZZZ		1	20:10	
ZZZZZZ		1	20:15	
ZZZZZZ		1	20:19	
PBSGG17ICS1		1	20:24	PB
LCSOGG17ICS1		1	20:28	PB
LC2OGG17ICS1		1	20:33	PB
ZZZZZZ		1	20:37	
CCV		1	20:42	AL CA FE PB MG
CCB		1	20:46	AL CA FE PB MG
ZZZZZZ		1	20:51	
SG4875-001	SKT-PD1-SS243-0003	1	20:55	PB
SG4875-002	SKT-PD1-SS219-0003	1	21:00	PB
SG4875-003	SKT-PD1-SS218-0003	1	21:04	PB
SG4875-004	SKT-PD1-SS216-0003	1	21:09	PB
SG4875-005	SKT-PD1-SS217-0003	1	21:13	PB
SG4875-006	SKT-PD1-SS245-0003	1	21:18	PB
SG4875-007	SKT-PD1-SS246-0003	1	21:22	PB
SG4875-008	SKT-PD1-SS247-0003	1	21:27	PB
SG4875-009	SKT-PD1-SS257-0003	1	21:31	PB
CCV		1	21:36	AL CA FE PB MG
CCB		1	21:40	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG18A

Date: 7/18/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	12:39	AL	CA	FE	PB	MG	
Std 1		1	12:43	AL	CA	FE	PB	MG	
ICV		1	12:48	AL	CA	FE	PB	MG	
ICB		1	12:52	AL	CA	FE	PB	MG	
PQL		1	12:57	AL	CA	FE	PB	MG	
ICSA		1	13:01	AL	CA	FE	PB	MG	
ICSAB		1	13:06	AL	CA	FE	PB	MG	
CCV		1	13:10	AL	CA	FE	PB	MG	
CCB		1	13:15	AL	CA	FE	PB	MG	
ZZZZZZ		1	13:19						
ZZZZZZ		1	13:24						
ZZZZZZ		1	13:28						
ZZZZZZ		1	13:33						
ZZZZZZ		1	13:37						
ZZZZZZ		1	13:41						
ZZZZZZ		1	13:46						
ZZZZZZ		1	13:50						
ZZZZZZ		1	13:55						
ZZZZZZ		1	13:59						
CCV		1	14:04	AL	CA	FE	PB	MG	
CCB		1	14:08	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:13						
ZZZZZZ		1	14:17						
SG4875-009A	SKT-PD1-SS257-0003A	1	14:22						
SG4875-009L	SKT-PD1-SS257-0003L	5	14:26				PB		
SG4875-009P	SKT-PD1-SS257-0003P	1	14:30				PB		
SG4875-009S	SKT-PD1-SS257-0003S	1	14:35				PB		
SG4875-010	PD1-SS257-0003-00	1	14:39				PB		
ZZZZZZ		1	14:44						
ZZZZZZ		1	14:48						
ZZZZZZ		1	14:53						
CCV		1	14:57	AL	CA	FE	PB	MG	
CCB		1	15:02	AL	CA	FE	PB	MG	
ZZZZZZ		5	15:06						
CCV		1	15:11	AL	CA	FE	PB	MG	
CCB		1	15:15	AL	CA	FE	PB	MG	

FORM XIV - IN

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS233-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	68. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:46:56	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS234-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:07	SM2540G	11-JUL-13	

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Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS210-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:14	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS209-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:22	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS208-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	72. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:29	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4772-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS211-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	77. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:36	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4772-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS244-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	61. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:44	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS222-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	52. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:53	SM2540G	11-JUL-13	

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Boston,MA 02110

Lab Sample ID: SG4772-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS221-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:01	SM2540G	11-JUL-13	

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Lab Sample ID: SG4772-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS223-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:09	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-11
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
T-PD1-SS223-0003-00	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	71. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:15	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-12
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS261-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	91. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:23	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-13
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS263-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	54. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:30	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4772-14
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS262-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:37	SM2540G	11-JUL-13	

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Lab Sample ID: SG4772-15
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS220-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	17. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:46	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4772-16
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS229-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	65. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:54	SM2540G	11-JUL-13	

Katahdin Analytical Services A0000202

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-17
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS230-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	67. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:00	SM2540G	11-JUL-13	

Katahdin Analytical Services A0000203

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Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
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100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-18
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS231-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	59. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:07	SM2540G	11-JUL-13	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Boston,MA 02110

Lab Sample ID: SG4772-19
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS228-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	69. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:13	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
Parsons
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Boston,MA 02110

Lab Sample ID: SG4772-20
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS226-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:20	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Boston,MA 02110

Lab Sample ID: SG4789-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS225-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	56. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:02	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4789-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS224-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:11	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
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Lab Sample ID: SG4789-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
T-PD1-SS224-0003-00	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:18	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS254-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:27	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS252-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	72. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:34	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS253-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:41	SM2540G	11-JUL-13	

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Lab Sample ID: SG4789-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS240-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:49	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS239-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:57	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS241-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:04	SM2540G	11-JUL-13	

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Lab Sample ID: SG4789-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
T-PD1-SS241-0003-00	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:13	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-11
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS242-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	84. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:20	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-12
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS213-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:26	SM2540G	11-JUL-13	

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Lab Sample ID: SG4789-13
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS212-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	79. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:33	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-14
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS214-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:41	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-15
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS238-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:49	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-16
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS237-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	77. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:58	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-17
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS236-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG126821	12-JUL-13 07:00:06	SM2540G	11-JUL-13	

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Lab Sample ID: SG4789-18
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS232-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1		N/A	SM2540G	WG126821	12-JUL-13 07:00:12	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-19
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS235-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	75. %	1		N/A	SM2540G	WG126821	12-JUL-13 07:00:19	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS227-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:02	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS259-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:10	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS258-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	79. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:20	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS248-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	71. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:29	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS250-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	80. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:39	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS251-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:47	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS249-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:55	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS203-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	72. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:05	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS202-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	62. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:14	SM2540G	15-JUL-13	

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Lab Sample ID: SG4872-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS201-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	71. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:21	SM2540G	15-JUL-13	

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Lab Sample ID: SG4872-11
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS200-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	63. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:31	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4872-12
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS215-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	67. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:40	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4872-13
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS255-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	81. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:49	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-14
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
PD1-SS255-0003-00	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	80. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:57	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4872-15
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS256-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:05	SM2540G	15-JUL-13	

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Lab Sample ID: SG4872-16
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS206-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	63. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:13	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-17
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS205-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	69. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:22	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-18
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS204-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:30	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4872-19
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS207-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	61. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:37	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-20
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS260-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:33	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS243-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:41	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4875-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS219-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	59. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:49	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS218-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:55	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS216-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:04	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS217-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:11	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS245-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:19	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS246-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:26	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS247-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	80. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:34	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS257-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:42	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
PD1-SS257-0003-00	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:52	SM2540G	15-JUL-13	

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Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG126819	SM2540	12-JUL-13	11-JUL-13	U 1 %	1 %	N/A

Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG126821	SM2540	12-JUL-13	11-JUL-13	U 1 %	1 %	N/A

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Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG127021	SM2540	16-JUL-13	15-JUL-13	U 1 %	1 %	N/A
MBLANK	WG127023	SM2540	16-JUL-13	15-JUL-13	U 1 %	1 %	N/A

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Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG126819-2	LCS	WG126819	12-JUL-13	11-JUL-13	%	90	90.	100	80-120	

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Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG126821-2	LCS	WG126821	12-JUL-13	11-JUL-13	%	90	88.	98	80-120	

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Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG127021-2	LCS	WG127021	16-JUL-13	15-JUL-13	%	90	89.	99	80-120	
WG127023-2	LCS	WG127023	16-JUL-13	15-JUL-13	%	90	91.	101	80-120	

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG126819-3	SG4772-1	WG126819	12-JUL-13	%	68.	69.	2	20
WG126819-4	SG4772-20	WG126819	12-JUL-13	%	76.	77.	0	20

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Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG126821-3	SG4789-1	WG126821	12-JUL-13	%	56.	58.	3	20

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Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG127021-3	SG4872-1	WG127021	16-JUL-13	%	70.	70.	1	20

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METALS DATA

Sample Data Section

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as "U" MDL have a greater rate for false negatives, i.e. greater than 1%, than those results reported as "U" PQL/LOQ or "U" LOD.
J	The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: SKEET-1 **SOW No.** SW846

Client Field ID	Lab Sample ID
PD1-SS255-0003-00	SG4872-014
PD1-SS257-0003-00	SG4875-010
SKT-PD1-SS200-0003	SG4872-011
SKT-PD1-SS201-0003	SG4872-010
SKT-PD1-SS202-0003	SG4872-009
SKT-PD1-SS203-0003	SG4872-008
SKT-PD1-SS204-0003	SG4872-018
SKT-PD1-SS205-0003	SG4872-017
SKT-PD1-SS206-0003	SG4872-016
SKT-PD1-SS207-0003	SG4872-019
SKT-PD1-SS208-0003	SG4772-005
SKT-PD1-SS209-0003	SG4772-004
SKT-PD1-SS210-0003	SG4772-003
SKT-PD1-SS211-0003	SG4772-006
SKT-PD1-SS212-0003	SG4789-013
SKT-PD1-SS213-0003	SG4789-012
SKT-PD1-SS214-0003	SG4789-014
SKT-PD1-SS215-0003	SG4872-012
SKT-PD1-SS216-0003	SG4875-004
SKT-PD1-SS217-0003	SG4875-005
SKT-PD1-SS218-0003	SG4875-003
SKT-PD1-SS219-0003	SG4875-002
SKT-PD1-SS220-0003	SG4772-015
SKT-PD1-SS221-0003	SG4772-009

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: George Brewer Name: George Brewer

Date: 08/09/13 Title: Inorganics Dept. Mgr.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: SKEET-I **SOW No.** SW846

Client Field ID	Lab Sample ID
SKT-PD1-SS222-0003	SG4772-008
SKT-PD1-SS223-0003	SG4772-010
SKT-PD1-SS223-0003	SG4772-010P
SKT-PD1-SS223-0003	SG4772-010S
SKT-PD1-SS224-0003	SG4789-002
SKT-PD1-SS224-0003	SG4789-002P
SKT-PD1-SS224-0003	SG4789-002S
SKT-PD1-SS225-0003	SG4789-001
SKT-PD1-SS226-0003	SG4772-020
SKT-PD1-SS227-0003	SG4872-001
SKT-PD1-SS228-0003	SG4772-019
SKT-PD1-SS229-0003	SG4772-016
SKT-PD1-SS230-0003	SG4772-017
SKT-PD1-SS231-0003	SG4772-018
SKT-PD1-SS232-0003	SG4789-018
SKT-PD1-SS233-0003	SG4772-001
SKT-PD1-SS234-0003	SG4772-002
SKT-PD1-SS235-0003	SG4789-019
SKT-PD1-SS236-0003	SG4789-017
SKT-PD1-SS237-0003	SG4789-016
SKT-PD1-SS238-0003	SG4789-015
SKT-PD1-SS239-0003	SG4789-008
SKT-PD1-SS240-0003	SG4789-007
SKT-PD1-SS241-0003	SG4789-009

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: George Brewer Name: George Brewer

Date: 08/09/13 Title: Inorganics Dept. Mgr.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: SKEET-1 **SOW No.** SW846

Client Field ID	Lab Sample ID
SKT-PD1-SS241-0003	SG4789-009P
SKT-PD1-SS241-0003	SG4789-009S
SKT-PD1-SS242-0003	SG4789-011
SKT-PD1-SS243-0003	SG4875-001
SKT-PD1-SS244-0003	SG4772-007
SKT-PD1-SS245-0003	SG4875-006
SKT-PD1-SS246-0003	SG4875-007
SKT-PD1-SS247-0003	SG4875-008
SKT-PD1-SS248-0003	SG4872-004
SKT-PD1-SS249-0003	SG4872-007
SKT-PD1-SS250-0003	SG4872-005
SKT-PD1-SS251-0003	SG4872-006
SKT-PD1-SS252-0003	SG4789-005
SKT-PD1-SS253-0003	SG4789-006
SKT-PD1-SS254-0003	SG4789-004
SKT-PD1-SS255-0003	SG4872-013
SKT-PD1-SS255-0003	SG4872-013P
SKT-PD1-SS255-0003	SG4872-013S
SKT-PD1-SS256-0003	SG4872-015
SKT-PD1-SS257-0003	SG4875-009
SKT-PD1-SS257-0003	SG4875-009P
SKT-PD1-SS257-0003	SG4875-009S
SKT-PD1-SS258-0003	SG4872-003
SKT-PD1-SS259-0003	SG4872-002

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: George Brewer Name: George Brewer

Date: 08/09/13 Title: Inorganics Dept. Mgr.

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: SKEET-1 **SOW No.** SW846

Client Field ID	Lab Sample ID
SKT-PD1-SS260-0003	SG4872-020
SKT-PD1-SS261-0003	SG4772-012
SKT-PD1-SS262-0003	SG4772-014
SKT-PD1-SS263-0003	SG4772-013
T-PD1-SS223-0003-00	SG4772-011
T-PD1-SS224-0003-00	SG4789-003
T-PD1-SS241-0003-00	SG4789-010

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: George Brewer Name: George Brewer

Date: 05/09/13 Title: Inorganics Dept. Mgr.

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS233-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 67.8
Lab Sample ID: SG4772-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	1170			P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS234-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 74.4
Lab Sample ID: SG4772-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	1520			P	2	0.71	0.12	0.57

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS210-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 66.4
Lab Sample ID: SG4772-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	744			P	1	0.50	0.09	0.40

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS209-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 64.3
Lab Sample ID: SG4772-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	757			P	1	0.47	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS208-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 72.4
Lab Sample ID: SG4772-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	605			P	1	0.50	0.09	0.40

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS211-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 76.8
Lab Sample ID: SG4772-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	524			P	1	0.37	0.06	0.30

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS244-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 61.2
Lab Sample ID: SG4772-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	677			P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS222-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 52.3
Lab Sample ID: SG4772-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	105			P	1	0.76	0.13	0.61

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS221-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 72.9
Lab Sample ID: SG4772-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	24.9			P	1	0.49	0.09	0.39

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS223-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.9
Lab Sample ID: SG4772-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	31.9			P	1	0.57	0.10	0.45

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: T-PD1-SS223-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 70.7
Lab Sample ID: SG4772-011

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	39.7			P	1	0.52	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS261-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 91.3
Lab Sample ID: SG4772-012

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	3.5			P	1	0.39	0.07	0.32

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS263-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 53.6
Lab Sample ID: SG4772-013

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	132			P	1	0.70	0.12	0.56

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS262-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 82.3
Lab Sample ID: SG4772-014

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	60.8			P	1	0.49	0.09	0.39

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS220-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 17.0
Lab Sample ID: SG4772-015

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	180			P	1	1.6	0.28	1.3

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS229-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 65.3
Lab Sample ID: SG4772-016

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	312			P	1	0.47	0.08	0.38

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS230-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 67.4
Lab Sample ID: SG4772-017

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	514			P	1	0.58	0.10	0.47

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS231-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 59.1
Lab Sample ID: SG4772-018

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	554			P	1	0.70	0.12	0.56

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS228-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.0
Lab Sample ID: SG4772-019

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	260			P	1	0.52	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS226-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 76.4
Lab Sample ID: SG4772-020

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	161			P	1	0.56	0.10	0.45

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS225-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 56.3
Lab Sample ID: SG4789-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	306			P	1	0.52	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS224-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.7
Lab Sample ID: SG4789-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	118			P	1	0.56	0.10	0.45

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: T-PD1-SS224-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.9
Lab Sample ID: SG4789-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	114			P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS254-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 82.1
Lab Sample ID: SG4789-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	70.2			P	1	0.39	0.07	0.31

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS252-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 72.4
Lab Sample ID: SG4789-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	206			P	1	0.47	0.08	0.38

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS253-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 77.6
Lab Sample ID: SG4789-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	64.8			P	1	0.35	0.06	0.28

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS240-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.1
Lab Sample ID: SG4789-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	475			P	1	0.53	0.09	0.42

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS239-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.6
Lab Sample ID: SG4789-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	590			P	1	0.44	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS241-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 89.4
Lab Sample ID: SG4789-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	11.6			P	1	0.41	0.07	0.33

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: T-PD1-SS241-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 89.9
Lab Sample ID: SG4789-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	12.6			P	1	0.33	0.06	0.27

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS242-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 84.2
Lab Sample ID: SG4789-011

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	434			P	1	0.47	0.08	0.38

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS213-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 75.6
Lab Sample ID: SG4789-012

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	30.0			P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS212-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 79.1 **Lab Sample ID:** SG4789-013

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	353			P	1	0.47	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS214-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.1
Lab Sample ID: SG4789-014

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	312			P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS238-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 78.2
Lab Sample ID: SG4789-015

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	44.4			P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS237-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 76.7
Lab Sample ID: SG4789-016

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	555			P	1	0.46	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS236-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 81.9
Lab Sample ID: SG4789-017

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	324			P	1	0.32	0.06	0.25

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS232-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 89.1
Lab Sample ID: SG4789-018

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	94.3			P	1	0.35	0.06	0.28

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS235-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 75.0
Lab Sample ID: SG4789-019

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	761			P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS227-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 70.6
Lab Sample ID: SG4872-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	185		N	P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS259-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 74.5
Lab Sample ID: SG4872-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	62.8		N	P	1	0.44	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS258-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 78.8
Lab Sample ID: SG4872-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	114		N	P	1	0.45	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS248-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 71.2 **Lab Sample ID:** SG4872-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	333		N	P	1	0.44	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS250-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 79.6
Lab Sample ID: SG4872-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	58.4		N	P	1	0.43	0.07	0.34

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS251-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 63.8
Lab Sample ID: SG4872-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	7780		N	P	10	4.3	0.74	3.4

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS249-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 73.3
Lab Sample ID: SG4872-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	253		N	P	1	0.50	0.09	0.40

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS203-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 72.4 **Lab Sample ID:** SG4872-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	143		N	P	1	0.40	0.07	0.32

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS202-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 61.6 **Lab Sample ID:** SG4872-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	281		N	P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS201-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 71.4
Lab Sample ID: SG4872-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	30.8		N	P	1	0.44	0.08	0.35

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS200-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 63.4
Lab Sample ID: SG4872-011

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	213		N	P	1	0.65	0.11	0.52

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS215-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 66.6 **Lab Sample ID:** SG4872-012

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	66.1		N	P	2	0.85	0.15	0.68

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS255-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 80.8
Lab Sample ID: SG4872-013

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	24.8		N	P	1	0.36	0.06	0.29

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: PD1-SS255-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 80.5
Lab Sample ID: SG4872-014

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	26.1		N	P	1	0.54	0.09	0.43

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS256-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 78.0
Lab Sample ID: SG4872-015

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	26.7		N	P	1	0.43	0.07	0.34

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS206-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 62.7
Lab Sample ID: SG4872-016

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	223		N	P	1	0.58	0.10	0.46

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS205-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 69.4
Lab Sample ID: SG4872-017

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	82.4		N	P	1	0.51	0.09	0.41

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS204-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 76.5 **Lab Sample ID:** SG4872-018

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	48.0		N	P	1	0.43	0.08	0.35

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS207-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 61.1
Lab Sample ID: SG4872-019

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	158		N	P	1	0.68	0.12	0.54

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS260-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 64.5
Lab Sample ID: SG4872-020

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	205		N	P	1	0.43	0.07	0.34

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS243-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 66.3
Lab Sample ID: SG4875-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	34.9			P	1	0.47	0.08	0.38

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS219-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 59.0
Lab Sample ID: SG4875-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	410			P	1	0.51	0.09	0.41

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS218-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 70.1
Lab Sample ID: SG4875-003

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	276			P	1	0.46	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS216-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 64.4
Lab Sample ID: SG4875-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	520			P	1	0.54	0.09	0.43

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS217-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 89.6
Lab Sample ID: SG4875-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	15.2			P	1	0.32	0.05	0.25

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS245-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 81.5
Lab Sample ID: SG4875-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	305			P	1	0.46	0.08	0.37

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS246-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 86.4
Lab Sample ID: SG4875-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	46.7			P	1	0.46	0.08	0.36

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS247-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.2 **Lab Sample ID:** SG4875-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	330			P	1	0.40	0.07	0.32

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: SKT-PD1-SS257-0003
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 75.8
Lab Sample ID: SG4875-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	247			P	1	0.34	0.06	0.28

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services
Client Field ID: PD1-SS257-0003-00
Matrix: SOIL
SDG Name: SKEET-1
Percent Solids: 77.5
Lab Sample ID: SG4875-010

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	234			P	1	0.40	0.07	0.32

Comments:

QC Summary Section

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG11A Jul 11, 2013 14:08

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9876.00	98.8
CALCIUM	10000.0	10320.00	103.2
IRON	10000.0	10000.00	100.0
LEAD	400.0	404.10	101.0
MAGNESIUM	10000.0	10070.00	100.7

SAMPLE: CCV

File: IGG11A Jul 11, 2013 14:44

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12640.00	101.1
CALCIUM	12500.0	12770.00	102.2
IRON	12500.0	12790.00	102.3
LEAD	500.0	513.70	102.7
MAGNESIUM	12500.0	12660.00	101.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG11A Jul 11, 2013 15:37

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12570.00	100.6
CALCIUM	12500.0	12510.00	100.1
IRON	12500.0	12700.00	101.6
LEAD	500.0	516.30	103.3
MAGNESIUM	12500.0	12610.00	100.9

SAMPLE: CCV

File: IGG11A Jul 11, 2013 16:30

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12510.00	100.1
IRON	12500.0	12700.00	101.6
LEAD	500.0	511.20	102.2
MAGNESIUM	12500.0	12530.00	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG11A Jul 11, 2013 17:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12540.00	100.3
CALCIUM	12500.0	12500.00	100.0
IRON	12500.0	12620.00	101.0
LEAD	500.0	507.10	101.4
MAGNESIUM	12500.0	12590.00	100.7

SAMPLE: CCV

File: IGG11A Jul 11, 2013 18:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12820.00	102.6
CALCIUM	12500.0	12380.00	99.0
IRON	12500.0	12910.00	103.3
LEAD	500.0	517.30	103.5
MAGNESIUM	12500.0	12250.00	98.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG11A Jul 11, 2013 19:11

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12930.00	103.4
CALCIUM	12500.0	12310.00	98.5
IRON	12500.0	13110.00	104.9
LEAD	500.0	527.00	105.4
MAGNESIUM	12500.0	12180.00	97.4

SAMPLE: CCV

File: IGG11A Jul 11, 2013 19:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12850.00	102.8
CALCIUM	12500.0	12250.00	98.0
IRON	12500.0	13070.00	104.6
LEAD	500.0	529.80	106.0
MAGNESIUM	12500.0	12210.00	97.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG12A Jul 12, 2013 14:48

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9993.00	99.9
CALCIUM	10000.0	10440.00	104.4
IRON	10000.0	10080.00	100.8
LEAD	400.0	403.90	101.0
MAGNESIUM	10000.0	10040.00	100.4

SAMPLE: CCV

File: IGG12A Jul 12, 2013 15:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12670.00	101.4
IRON	12500.0	12580.00	100.6
LEAD	500.0	510.60	102.1
MAGNESIUM	12500.0	12730.00	101.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 16:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12420.00	99.4
CALCIUM	12500.0	12650.00	101.2
IRON	12500.0	12520.00	100.2
LEAD	500.0	517.10	103.4
MAGNESIUM	12500.0	12920.00	103.4

SAMPLE: CCV

File: IGG12A Jul 12, 2013 17:10

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	11920.00	95.4
CALCIUM	12500.0	12240.00	97.9
IRON	12500.0	12160.00	97.3
LEAD	500.0	500.80	100.2
MAGNESIUM	12500.0	12440.00	99.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 18:04

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12000.00	96.0
CALCIUM	12500.0	12120.00	97.0
IRON	12500.0	12150.00	97.2
LEAD	500.0	503.90	100.8
MAGNESIUM	12500.0	12600.00	100.8

SAMPLE: CCV

File: IGG12A Jul 12, 2013 18:57

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12290.00	98.3
CALCIUM	12500.0	12680.00	101.4
IRON	12500.0	12480.00	99.8
LEAD	500.0	509.50	101.9
MAGNESIUM	12500.0	12760.00	102.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 19:51

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12680.00	101.4
CALCIUM	12500.0	13110.00	104.9
IRON	12500.0	12910.00	103.3
LEAD	500.0	513.10	102.6
MAGNESIUM	12500.0	12790.00	102.3

SAMPLE: CCV

File: IGG12A Jul 12, 2013 20:44

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12360.00	98.9
CALCIUM	12500.0	12830.00	102.6
IRON	12500.0	12590.00	100.7
LEAD	500.0	514.30	102.9
MAGNESIUM	12500.0	12840.00	102.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 21:38

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	11940.00	95.5
CALCIUM	12500.0	12730.00	101.8
IRON	12500.0	12230.00	97.8
LEAD	500.0	521.00	104.2
MAGNESIUM	12500.0	13060.00	104.5

SAMPLE: CCV

File: IGG12A Jul 12, 2013 22:32

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12150.00	97.2
CALCIUM	12500.0	12920.00	103.4
IRON	12500.0	12230.00	97.8
LEAD	500.0	522.20	104.4
MAGNESIUM	12500.0	13090.00	104.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 12, 2013 23:26

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12100.00	96.8
CALCIUM	12500.0	12900.00	103.2
IRON	12500.0	12250.00	98.0
LEAD	500.0	512.50	102.5
MAGNESIUM	12500.0	12880.00	103.0

SAMPLE: CCV

File: IGG12A Jul 13, 2013 0:20

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12520.00	100.2
CALCIUM	12500.0	13300.00	106.4
IRON	12500.0	12710.00	101.7
LEAD	500.0	516.60	103.3
MAGNESIUM	12500.0	12930.00	103.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG12A Jul 13, 2013 1:09

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12020.00	96.2
CALCIUM	12500.0	12830.00	102.6
IRON	12500.0	12240.00	97.9
LEAD	500.0	522.20	104.4
MAGNESIUM	12500.0	13130.00	105.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG15A Jul 15, 2013 14:23

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9852.00	98.5
CALCIUM	10000.0	10440.00	104.4
IRON	10000.0	10040.00	100.4
LEAD	400.0	400.70	100.2
MAGNESIUM	10000.0	9898.00	99.0

SAMPLE: CCV

File: IGG15A Jul 15, 2013 14:59

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12710.00	101.7
IRON	12500.0	12520.00	100.2
LEAD	500.0	505.10	101.0
MAGNESIUM	12500.0	12520.00	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 15:52

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12310.00	98.5
CALCIUM	12500.0	12500.00	100.0
IRON	12500.0	12410.00	99.3
LEAD	500.0	500.60	100.1
MAGNESIUM	12500.0	12420.00	99.4

SAMPLE: CCV

File: IGG15A Jul 15, 2013 16:46

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12310.00	98.5
CALCIUM	12500.0	12530.00	100.2
IRON	12500.0	12370.00	99.0
LEAD	500.0	498.00	99.6
MAGNESIUM	12500.0	12290.00	98.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 17:40

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12320.00	98.6
CALCIUM	12500.0	12740.00	101.9
IRON	12500.0	12440.00	99.5
LEAD	500.0	498.20	99.6
MAGNESIUM	12500.0	12330.00	98.6

SAMPLE: CCV

File: IGG15A Jul 15, 2013 18:34

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12260.00	98.1
CALCIUM	12500.0	12530.00	100.2
IRON	12500.0	12290.00	98.3
LEAD	500.0	497.70	99.5
MAGNESIUM	12500.0	12310.00	98.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 19:27

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12420.00	99.4
CALCIUM	12500.0	12630.00	101.0
IRON	12500.0	12320.00	98.6
LEAD	500.0	504.00	100.8
MAGNESIUM	12500.0	12450.00	99.6

SAMPLE: CCV

File: IGG15A Jul 15, 2013 20:21

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12680.00	101.4
CALCIUM	12500.0	12910.00	103.3
IRON	12500.0	12670.00	101.4
LEAD	500.0	507.80	101.6
MAGNESIUM	12500.0	12530.00	100.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG15A Jul 15, 2013 21:15

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12850.00	102.8
CALCIUM	12500.0	13170.00	105.4
IRON	12500.0	12870.00	103.0
LEAD	500.0	523.80	104.8
MAGNESIUM	12500.0	12940.00	103.5

SAMPLE: CCV

File: IGG15A Jul 15, 2013 21:46

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12660.00	101.3
CALCIUM	12500.0	13100.00	104.8
IRON	12500.0	12700.00	101.6
LEAD	500.0	523.40	104.7
MAGNESIUM	12500.0	12910.00	103.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG16A Jul 16, 2013 14:25

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9762.00	97.6
CALCIUM	10000.0	10260.00	102.6
IRON	10000.0	9921.00	99.2
LEAD	400.0	401.00	100.3
MAGNESIUM	10000.0	9983.00	99.8

SAMPLE: CCV

File: IGG16A Jul 16, 2013 15:02

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12280.00	98.2
CALCIUM	12500.0	12730.00	101.8
IRON	12500.0	12540.00	100.3
LEAD	500.0	503.20	100.6
MAGNESIUM	12500.0	12540.00	100.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG16A Jul 16, 2013 15:56

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	11990.00	95.9
CALCIUM	12500.0	12590.00	100.7
IRON	12500.0	12330.00	98.6
LEAD	500.0	505.40	101.1
MAGNESIUM	12500.0	12630.00	101.0

SAMPLE: CCV

File: IGG16A Jul 16, 2013 16:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12120.00	97.0
CALCIUM	12500.0	12630.00	101.0
IRON	12500.0	12490.00	99.9
LEAD	500.0	500.20	100.0
MAGNESIUM	12500.0	12470.00	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG17A Jul 17, 2013 15:50

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9923.00	99.2
CALCIUM	10000.0	10240.00	102.4
IRON	10000.0	10010.00	100.1
LEAD	400.0	401.60	100.4
MAGNESIUM	10000.0	9961.00	99.6

SAMPLE: CCV

File: IGG17A Jul 17, 2013 16:13

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12900.00	103.2
IRON	12500.0	12530.00	100.2
LEAD	500.0	504.60	100.9
MAGNESIUM	12500.0	12710.00	101.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG17A Jul 17, 2013 17:06

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12960.00	103.7
IRON	12500.0	12580.00	100.6
LEAD	500.0	511.10	102.2
MAGNESIUM	12500.0	12910.00	103.3

SAMPLE: CCV

File: IGG17A Jul 17, 2013 18:00

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12660.00	101.3
CALCIUM	12500.0	12880.00	103.0
IRON	12500.0	12650.00	101.2
LEAD	500.0	504.50	100.9
MAGNESIUM	12500.0	12680.00	101.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG17A Jul 17, 2013 18:54

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
CALCIUM	12500.0	12730.00	101.8
IRON	12500.0	12470.00	99.8
LEAD	500.0	502.00	100.4
MAGNESIUM	12500.0	12620.00	101.0

SAMPLE: CCV

File: IGG17A Jul 17, 2013 19:48

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12450.00	99.6
CALCIUM	12500.0	12680.00	101.4
IRON	12500.0	12400.00	99.2
LEAD	500.0	501.70	100.3
MAGNESIUM	12500.0	12610.00	100.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG17A Jul 17, 2013 20:42

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12480.00	99.8
CALCIUM	12500.0	12770.00	102.2
IRON	12500.0	12530.00	100.2
LEAD	500.0	504.80	101.0
MAGNESIUM	12500.0	12690.00	101.5

SAMPLE: CCV

File: IGG17A Jul 17, 2013 21:36

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12890.00	103.1
IRON	12500.0	12810.00	102.5
LEAD	500.0	507.10	101.4
MAGNESIUM	12500.0	12770.00	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICV

File: IGG18A Jul 18, 2013 12:48

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10010.00	100.1
CALCIUM	10000.0	10340.00	103.4
IRON	10000.0	10040.00	100.4
LEAD	400.0	416.30	104.1
MAGNESIUM	10000.0	10380.00	103.8

SAMPLE: CCV

File: IGG18A Jul 18, 2013 13:10

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12840.00	102.7
CALCIUM	12500.0	12680.00	101.4
IRON	12500.0	12810.00	102.5
LEAD	500.0	502.10	100.4
MAGNESIUM	12500.0	12640.00	101.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCV

File: IGG18A Jul 18, 2013 14:04

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12870.00	103.0
CALCIUM	12500.0	12750.00	102.0
IRON	12500.0	12850.00	102.8
LEAD	500.0	509.90	102.0
MAGNESIUM	12500.0	12880.00	103.0

SAMPLE: CCV

File: IGG18A Jul 18, 2013 14:57

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12770.00	102.2
CALCIUM	12500.0	12880.00	103.0
IRON	12500.0	13130.00	105.0
LEAD	500.0	513.90	102.8
MAGNESIUM	12500.0	12950.00	103.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG11A Jul 11, 2013 14:17

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.10	99.0
CALCIUM	100.0	100.70	100.7
IRON	100.0	98.69	98.7
LEAD	5.0	4.35	87.0
MAGNESIUM	100.0	106.70	106.7

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG12A Jul 12, 2013 14:57

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	312.10	104.0
CALCIUM	100.0	108.90	108.9
IRON	100.0	100.20	100.2
LEAD	5.0	5.16	103.2
MAGNESIUM	100.0	106.10	106.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG15A Jul 15, 2013 14:32

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.50	99.2
CALCIUM	100.0	105.20	105.2
IRON	100.0	100.80	100.8
LEAD	5.0	4.42	88.4
MAGNESIUM	100.0	104.90	104.9

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG16A Jul 16, 2013 14:34

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	297.80	99.3
CALCIUM	100.0	96.97	97.0
IRON	100.0	103.80	103.8
LEAD	5.0	4.94	98.8
MAGNESIUM	100.0	105.60	105.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG17A Jul 17, 2013 15:59

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	309.00	103.0
CALCIUM	100.0	110.90	110.9
IRON	100.0	104.40	104.4
LEAD	5.0	5.06	101.2
MAGNESIUM	100.0	111.70	111.7

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: PQL

File: IGG18A Jul 18, 2013 12:57

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	327.70	109.2
CALCIUM	100.0	102.00	102.0
IRON	100.0	102.00	102.0
LEAD	5.0	4.89	97.8
MAGNESIUM	100.0	110.50	110.5

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG11A Jul 11, 2013 14:12

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 14:48

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 15:41

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.551	J
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG11A Jul 11, 2013 16:35

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 17:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 18:22

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG11A Jul 11, 2013 19:15

Analyte	Result	C
ALUMINUM	-19.540	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG11A Jul 11, 2013 19:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG12A Jul 12, 2013 14:52

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 15:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.052	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 16:22

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 12, 2013 17:15

Analyte	Result	C
ALUMINUM	-18.030	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.495	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 18:08

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	6.978	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 19:02

Analyte	Result	C
ALUMINUM	-17.760	J
CALCIUM	8.730	U
IRON	4.594	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 12, 2013 19:55

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	5.446	J
LEAD	-1.310	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 20:49

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	10.680	J
IRON	4.275	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 21:42

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	9.995	J
IRON	6.746	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 12, 2013 22:37

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	7.651	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 12, 2013 23:30

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	10.480	J
IRON	5.667	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG12A Jul 13, 2013 0:24

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	21.970	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG12A Jul 13, 2013 1:13

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	10.430	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG15A Jul 15, 2013 14:27

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 15:04

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 15:57

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG15A Jul 15, 2013 16:51

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	9.919	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 17:44

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 18:38

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.257	J
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG15A Jul 15, 2013 19:32

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	11.180	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 20:26

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.076	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG15A Jul 15, 2013 21:19

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	11.770	J
IRON	4.159	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG15A Jul 15, 2013 21:50

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	4.574	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG16A Jul 16, 2013 14:30

Analyte	Result	C
ALUMINUM	-20.210	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	-1.172	J
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG16A Jul 16, 2013 15:06

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	4.110	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG16A Jul 16, 2013 16:00

Analyte	Result	C
ALUMINUM	-21.940	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG16A Jul 16, 2013 16:54

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG17A Jul 17, 2013 15:55

Analyte	Result	C
ALUMINUM	20.230	J
CALCIUM	8.730	U
IRON	16.350	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 16:17

Analyte	Result	C
ALUMINUM	-28.890	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 17:11

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG17A Jul 17, 2013 18:04

Analyte	Result	C
ALUMINUM	40.190	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 18:58

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 19:52

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG17A Jul 17, 2013 20:46

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG17A Jul 17, 2013 21:40

Analyte	Result	C
ALUMINUM	-20.470	J
CALCIUM	9.218	J
IRON	5.783	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICB

File: IGG18A Jul 18, 2013 12:52

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG18A Jul 18, 2013 13:15

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG18A Jul 18, 2013 14:08

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: CCB

File: IGG18A Jul 18, 2013 15:02

Analyte	Result	C
ALUMINUM	-28.580	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG10ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG10ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG11ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG11ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG12ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG12ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG15ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG15ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.367	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG11A Jul 11, 2013 14:35

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491900	98.4
CALCIUM	500000	482200	96.4
IRON	200000	187400	93.7
LEAD	0	-1	
MAGNESIUM	500000	460400	92.1

SAMPLE: ICSAB

File: IGG11A Jul 11, 2013 14:40

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	494900	99.0
CALCIUM	500000	481100	96.2
IRON	200000	188100	94.0
LEAD	50	43	86.0
MAGNESIUM	500000	467800	93.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG12A Jul 12, 2013 15:15

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491200	98.2
CALCIUM	500000	483600	96.7
IRON	200000	187300	93.7
LEAD	0	1	
MAGNESIUM	500000	459400	91.9

SAMPLE: ICSAB

File: IGG12A Jul 12, 2013 15:20

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	494700	98.9
CALCIUM	500000	481600	96.3
IRON	200000	188400	94.2
LEAD	50	50	100.0
MAGNESIUM	500000	465000	93.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG15A Jul 15, 2013 14:50

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	478800	95.8
CALCIUM	500000	476500	95.3
IRON	200000	183200	91.6
LEAD	0	1	
MAGNESIUM	500000	461900	92.4

SAMPLE: ICSAB

File: IGG15A Jul 15, 2013 14:55

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	490700	98.1
CALCIUM	500000	480200	96.0
IRON	200000	187100	93.5
LEAD	50	46	92.0
MAGNESIUM	500000	455300	91.1

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG16A Jul 16, 2013 14:53

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	485700	97.1
CALCIUM	500000	479800	96.0
IRON	200000	185100	92.5
LEAD	0	1	
MAGNESIUM	500000	466200	93.2

SAMPLE: ICSAB

File: IGG16A Jul 16, 2013 14:57

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	485300	97.1
CALCIUM	500000	490400	98.1
IRON	200000	186400	93.2
LEAD	50	47	94.0
MAGNESIUM	500000	471000	94.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG17A Jul 17, 2013 16:04

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	497700	99.5
CALCIUM	500000	491100	98.2
IRON	200000	188300	94.2
LEAD	0	0	
MAGNESIUM	500000	444500	88.9

SAMPLE: ICSAB

File: IGG17A Jul 17, 2013 16:08

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491600	98.3
CALCIUM	500000	489800	98.0
IRON	200000	186000	93.0
LEAD	50	44	88.0
MAGNESIUM	500000	445200	89.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG18A Jul 18, 2013 13:01

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	498600	99.7
CALCIUM	500000	497200	99.4
IRON	200000	194000	97.0
LEAD	0	-2	
MAGNESIUM	500000	431100	86.2

SAMPLE: ICSAB

File: IGG18A Jul 18, 2013 13:06

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	493900	98.8
CALCIUM	500000	492200	98.4
IRON	200000	192600	96.3
LEAD	50	42	84.0
MAGNESIUM	500000	429500	85.9

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	44.6241		31.8922		11.26	113.1		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	42.7489		31.8922		11.72	92.6		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	205.4969		117.6963		11.38	771.5		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	201.2919		117.6963		11.57	722.5		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	19.1625		11.5816		8.34	90.9		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	20.5575		11.5816		8.22	109.2		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	28.6876		24.7984		7.15	54.4	N	80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	32.0836		24.7984		7.19	101.3		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	261.0289		247.2763		6.69	205.6		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	250.4521		247.2763		6.87	46.2		80	120	P

Comments:

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	767.7000		281.0000		500	97.3		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	1511.0000		1042.0000		500	93.8		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	608.300		140.9000		500	93.6		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	816.5000		342.8000		500	94.7		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003S

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	4018.0000		3582.0000		500	87.2		75	125	P

Comments:

FORM V (Part 2) - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS223-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.9 **Lab Sample ID:** SG4772-010

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		42.7489		44.6241		4.3		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS224-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 69.7 **Lab Sample ID:** SG4789-002

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		201.2919		205.4969		2.1		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS241-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 89.4 **Lab Sample ID:** SG4789-009

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		20.5575		19.1625		7.0		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS255-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 80.8 **Lab Sample ID:** SG4872-013

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		32.0836		28.6876		11.2		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD1-SS257-0003

Matrix: SOIL **SDG Name:** SKEET-1

Percent Solids: 75.8 **Lab Sample ID:** SG4875-009

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		250.4521		261.0289		4.1		P

Comments:

FORM VD - IN

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2OGG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.17	101.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG10ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG10ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.19	101.9	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG11ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG11ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.36	103.6	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG12ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG12ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.41	104.1	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG15ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG15ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.56	105.6	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.00	100.0	80	120

7D

LABORATORY CONTROL SAMPLE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: SOIL **SDG Name:** SKEET-1

QC Batch ID: GG17ICS1 **Lab Sample ID:** LCSOGG17ICS1

Concentration Units: mg/Kgdrywt

Analyte	Control Limit (%)	LCS Result	LCS Dup. Result	RPD(%)	Q
LEAD	20.0	10.00	10.17	1.7	

FORM VIID - IN

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS223-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4772-010L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
LEAD, TOTAL	281.00			289.40		3.0		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS224-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4789-002L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	1042.00		1049.00		0.7		P

FORM IX - IN

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS241-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4789-009L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	140.90		144.50		2.6		P

FORM IX - IN

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS255-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4872-013L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution	Result	C	% Difference	Q	M
LEAD, TOTAL	342.80			357.30		4.2		P

FORM IX - IN

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD1-SS257-0003L

SDG Name: SKEET-1

Lab Sample ID: SG4875-009L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	3582.00		3770.00		5.2		P

FORM IX - IN

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 5/21/2012

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	16.80	P
CALCIUM	100	8.73	P
IRON	100	3.95	P
LEAD	5.0	1.04	P
MAGNESIUM	100	7.72	P

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
LEAD	0.40	mg/Kg	P	SW846 3050B / SW846 6010C

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
LEAD	0.09	mg/Kg	P	SW846 3050B / SW846 6010C

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument Name: THERMO ICAP 6500 **Instrument ID:** I **Date:** 12/5/2011

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As	Cr	Co	Cu	Mn	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0443000	0.0	0.0	0.0
ANTIMONY	206.83	0.0000030	0.0	0.0000460	0.0	-0.0001490	0.0106000	0.0	0.0	0.0	-0.0039900	-0.0009470	0.0	-0.0007350
ARSENIC	189.04	0.0000030	0.0	-0.0002090	0.0	0.0	0.0001970	0.0	0.0	0.0	0.0004240	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006860	0.0003880
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0534000	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000800	0.0000910	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0001110	0.0	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002140	0.0017700	0.0
COPPER	327.40	0.0000030	0.0	0.0000010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0000910
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD	220.35	-0.0001520	0.0	0.0000300	0.0	0.0	0.0	0.0000540	0.0009460	0.0	-0.0006970	0.0002080	0.0000970	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.58	0.0	0.0	0.0000190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0007070	0.0
MANGANESE	257.61	0.0000009	0.0	0.0000100	-0.0000037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001920
NICKEL	231.60	0.0	0.0	-0.0000390	0.0	0.0	0.0	-0.0001380	0.0	0.0	0.0005880	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	0.0000180	0.0	0.0000160	0.0	-0.0001750	0.0	0.0001290	0.0	0.0008190	0.0	0.0	0.0	-0.0002070
SILICON	251.61	0.0	0.0	-0.0001400	0.0	0.0	0.0	0.0	0.0	0.0	0.0116000	0.0	0.0009940	0.0
SILVER	328.07	0.0	0.0	-0.0004020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0009490	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000050	0.0	0.0000050	0.0	0.0	0.0	0.0046300	-0.0001610	-0.0014000	-0.0000380	0.0	-0.0011200	-0.0009970
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001290	0.0	0.0	0.0	0.0004770	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000110	0.0	0.0	-0.0043000	0.0	0.0	-0.0006810	-0.0049500	0.0	0.0007110	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0011400	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 6/22/2012

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
CALCIUM	5.00	1000000	P
IRON	5.00	300000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	500000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG10ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/10/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG10ICS1	LCSOGG10ICS1	1	0.1	
PBSGG10ICS1	PBSGG10ICS1	1	0.1	
SKT-PD1-SS233-0003	SG4772-001	1.27	0.1	A
SKT-PD1-SS234-0003	SG4772-002	1.88	0.1	A
SKT-PD1-SS210-0003	SG4772-003	1.49	0.1	A
SKT-PD1-SS209-0003	SG4772-004	1.66	0.1	A
SKT-PD1-SS208-0003	SG4772-005	1.38	0.1	A
SKT-PD1-SS211-0003	SG4772-006	1.76	0.1	A
SKT-PD1-SS244-0003	SG4772-007	1.41	0.1	A
SKT-PD1-SS222-0003	SG4772-008	1.25	0.1	A
SKT-PD1-SS221-0003	SG4772-009	1.39	0.1	A
SKT-PD1-SS223-0003	SG4772-010	1.26	0.1	A
SKT-PD1-SS223-0003P	SG4772-010P	1.27	0.1	A
SKT-PD1-SS223-0003S	SG4772-010S	1.22	0.1	A
T-PD1-SS223-0003-00	SG4772-011	1.36	0.1	A
SKT-PD1-SS261-0003	SG4772-012	1.39	0.1	A
SKT-PD1-SS263-0003	SG4772-013	1.34	0.1	A
SKT-PD1-SS262-0003	SG4772-014	1.24	0.1	A
SKT-PD1-SS220-0003	SG4772-015	1.82	0.1	A
SKT-PD1-SS229-0003	SG4772-016	1.62	0.1	A
SKT-PD1-SS230-0003	SG4772-017	1.27	0.1	A
SKT-PD1-SS231-0003	SG4772-018	1.2	0.1	A
SKT-PD1-SS228-0003	SG4772-019	1.39	0.1	A
SKT-PD1-SS226-0003	SG4772-020	1.16	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG11ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/11/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG11ICS1	LCSOGG11ICS1	1	0.1	
PBSGG11ICS1	PBSGG11ICS1	1	0.1	
SKT-PD1-SS225-0003	SG4789-001	1.71	0.1	A
SKT-PD1-SS224-0003	SG4789-002	1.27	0.1	A
SKT-PD1-SS224-0003P	SG4789-002P	1.26	0.1	A
SKT-PD1-SS224-0003S	SG4789-002S	1.24	0.1	A
T-PD1-SS224-0003-00	SG4789-003	1.33	0.1	A
SKT-PD1-SS254-0003	SG4789-004	1.55	0.1	A
SKT-PD1-SS252-0003	SG4789-005	1.46	0.1	A
SKT-PD1-SS253-0003	SG4789-006	1.86	0.1	A
SKT-PD1-SS240-0003	SG4789-007	1.29	0.1	A
SKT-PD1-SS239-0003	SG4789-008	1.53	0.1	A
SKT-PD1-SS241-0003	SG4789-009	1.36	0.1	A
SKT-PD1-SS241-0003P	SG4789-009P	1.34	0.1	A
SKT-PD1-SS241-0003S	SG4789-009S	1.36	0.1	A
T-PD1-SS241-0003-00	SG4789-010	1.67	0.1	A
SKT-PD1-SS242-0003	SG4789-011	1.26	0.1	A
SKT-PD1-SS213-0003	SG4789-012	1.46	0.1	A
SKT-PD1-SS212-0003	SG4789-013	1.35	0.1	A
SKT-PD1-SS214-0003	SG4789-014	1.53	0.1	A
SKT-PD1-SS238-0003	SG4789-015	1.41	0.1	A
SKT-PD1-SS237-0003	SG4789-016	1.42	0.1	A
SKT-PD1-SS236-0003	SG4789-017	1.92	0.1	A
SKT-PD1-SS232-0003	SG4789-018	1.59	0.1	A
SKT-PD1-SS235-0003	SG4789-019	1.24	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG12ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/12/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG12ICS1	LCSOGG12ICS1	1	0.1	
PBSGG12ICS1	PBSGG12ICS1	1	0.1	
SKT-PD1-SS227-0003	SG4872-001	1.32	0.1	A
SKT-PD1-SS259-0003	SG4872-002	1.51	0.1	A
SKT-PD1-SS258-0003	SG4872-003	1.4	0.1	A
SKT-PD1-SS248-0003	SG4872-004	1.58	0.1	A
SKT-PD1-SS250-0003	SG4872-005	1.47	0.1	A
SKT-PD1-SS251-0003	SG4872-006	1.83	0.1	A
SKT-PD1-SS249-0003	SG4872-007	1.37	0.1	A
SKT-PD1-SS203-0003	SG4872-008	1.74	0.1	A
SKT-PD1-SS202-0003	SG4872-009	1.41	0.1	A
SKT-PD1-SS201-0003	SG4872-010	1.6	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG15ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/15/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG15ICS1	LCSOGG15ICS1	1	0.1	
PBSGG15ICS1	PBSGG15ICS1	1	0.1	
SKT-PD1-SS200-0003	SG4872-011	1.21	0.1	A
SKT-PD1-SS215-0003	SG4872-012	1.77	0.1	A
SKT-PD1-SS255-0003	SG4872-013	1.71	0.1	A
SKT-PD1-SS255-0003P	SG4872-013P	1.73	0.1	A
SKT-PD1-SS255-0003S	SG4872-013S	1.72	0.1	A
PD1-SS255-0003-00	SG4872-014	1.15	0.1	A
SKT-PD1-SS256-0003	SG4872-015	1.5	0.1	A
SKT-PD1-SS206-0003	SG4872-016	1.38	0.1	A
SKT-PD1-SS205-0003	SG4872-017	1.42	0.1	A
SKT-PD1-SS204-0003	SG4872-018	1.51	0.1	A
SKT-PD1-SS207-0003	SG4872-019	1.21	0.1	A
SKT-PD1-SS260-0003	SG4872-020	1.8	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG17ICS1

Matrix: SOIL **SDG Name:** SKEET-1

Method: P **Prep Date:** 07/17/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LC2OGG17ICS1	LC2OGG17ICS1	1	0.1	
LCSOGG17ICS1	LCSOGG17ICS1	1	0.1	
PBSGG17ICS1	PBSGG17ICS1	1	0.1	
SKT-PD1-SS243-0003	SG4875-001	1.59	0.1	A
SKT-PD1-SS219-0003	SG4875-002	1.65	0.1	A
SKT-PD1-SS218-0003	SG4875-003	1.54	0.1	A
SKT-PD1-SS216-0003	SG4875-004	1.45	0.1	A
SKT-PD1-SS217-0003	SG4875-005	1.77	0.1	A
SKT-PD1-SS245-0003	SG4875-006	1.33	0.1	A
SKT-PD1-SS246-0003	SG4875-007	1.27	0.1	A
SKT-PD1-SS247-0003	SG4875-008	1.55	0.1	A
SKT-PD1-SS257-0003	SG4875-009	1.91	0.1	A
SKT-PD1-SS257-0003P	SG4875-009P	1.97	0.1	A
SKT-PD1-SS257-0003S	SG4875-009S	1.92	0.1	A
PD1-SS257-0003-00	SG4875-010	1.62	0.1	A

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG11A

Date: 7/11/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	13:59	AL	CA	FE	PB	MG	
Std 1		1	14:04	AL	CA	FE	PB	MG	
ICV		1	14:08	AL	CA	FE	PB	MG	
ICB		1	14:12	AL	CA	FE	PB	MG	
PQL		1	14:17	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:21						
ZZZZZZ		1	14:26						
ICSA		1	14:35	AL	CA	FE	PB	MG	
ICSAB		1	14:40	AL	CA	FE	PB	MG	
CCV		1	14:44	AL	CA	FE	PB	MG	
CCB		1	14:48	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:53						
ZZZZZZ		1	14:57						
ZZZZZZ		1	15:02						
ZZZZZZ		1	15:06						
ZZZZZZ		1	15:11						
ZZZZZZ		5	15:15						
ZZZZZZ		1	15:20						
ZZZZZZ		1	15:24						
ZZZZZZ		1	15:28						
ZZZZZZ		2	15:33						
CCV		1	15:37	AL	CA	FE	PB	MG	
CCB		1	15:41	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:46						
ZZZZZZ		1	15:50						
ZZZZZZ		1	15:55						
ZZZZZZ		1	15:59						
ZZZZZZ		2	16:04						
ZZZZZZ		10	16:08						
ZZZZZZ		2	16:13						
ZZZZZZ		2	16:17						
ZZZZZZ		2	16:21						
ZZZZZZ		25	16:26						
CCV		1	16:30	AL	CA	FE	PB	MG	
CCB		1	16:35	AL	CA	FE	PB	MG	
ZZZZZZ		25	16:39						
ZZZZZZ		25	16:44						
ZZZZZZ		1	16:48						
ZZZZZZ		1	16:53						
ZZZZZZ		1	16:57						
LCSOGG10ICS1		1	17:02				PB		
PBSGG10ICS1		1	17:06				PB		
SG4772-001	SKT-PD1-SS233-0003	1	17:11				PB		
ZZZZZZ		1	17:15						
SG4772-003	SKT-PD1-SS210-0003	1	17:20				PB		
CCV		1	17:24	AL	CA	FE	PB	MG	
CCB		1	17:28	AL	CA	FE	PB	MG	
SG4772-004	SKT-PD1-SS209-0003	1	17:33				PB		
SG4772-005	SKT-PD1-SS208-0003	1	17:37				PB		
SG4772-006	SKT-PD1-SS211-0003	1	17:42				PB		

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG11A

Date: 7/11/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
SG4772-007	SKT-PD1-SS244-0003	1	17:46	PB
SG4772-008	SKT-PD1-SS222-0003	1	17:51	PB
SG4772-009	SKT-PD1-SS221-0003	1	17:55	PB
SG4772-010	SKT-PD1-SS223-0003	1	18:00	PB
SG4772-010L	SKT-PD1-SS223-0003L	5	18:04	PB
ZZZZZZ		1	18:09	
SG4772-010P	SKT-PD1-SS223-0003P	1	18:13	PB
CCV		1	18:17	AL CA FE PB MG
CCB		1	18:22	AL CA FE PB MG
SG4772-010S	SKT-PD1-SS223-0003S	1	18:26	PB
SG4772-011	T-PD1-SS223-0003-00	1	18:31	PB
SG4772-012	SKT-PD1-SS261-0003	1	18:35	PB
SG4772-013	SKT-PD1-SS263-0003	1	18:40	PB
SG4772-014	SKT-PD1-SS262-0003	1	18:44	PB
SG4772-015	SKT-PD1-SS220-0003	1	18:48	PB
SG4772-016	SKT-PD1-SS229-0003	1	18:53	PB
SG4772-017	SKT-PD1-SS230-0003	1	18:57	PB
SG4772-018	SKT-PD1-SS231-0003	1	19:02	PB
SG4772-019	SKT-PD1-SS228-0003	1	19:06	PB
CCV		1	19:11	AL CA FE PB MG
CCB		1	19:15	AL CA FE PB MG
SG4772-020	SKT-PD1-SS226-0003	1	19:20	PB
CCV		1	19:24	AL CA FE PB MG
CCB		1	19:28	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG12A

Date: 7/12/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:39	AL	CA	FE	PB	MG	
Std 1		1	14:44	AL	CA	FE	PB	MG	
ICV		1	14:48	AL	CA	FE	PB	MG	
ICB		1	14:52	AL	CA	FE	PB	MG	
PQL		1	14:57	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:01						
ZZZZZZ		1	15:06						
ICSA		1	15:15	AL	CA	FE	PB	MG	
ICSAB		1	15:20	AL	CA	FE	PB	MG	
CCV		1	15:24	AL	CA	FE	PB	MG	
CCB		1	15:28	AL	CA	FE	PB	MG	
SG4772-002	SKT-PD1-SS234-0003	2	15:33				PB		
LCSOGG11ICS1		1	15:37				PB		
PBSGG11ICS1		1	15:42				PB		
SG4789-001	SKT-PD1-SS225-0003	1	15:46				PB		
SG4789-002	SKT-PD1-SS224-0003	1	15:51				PB		
SG4789-002L	SKT-PD1-SS224-0003L	5	15:55				PB		
SG4789-002A	SKT-PD1-SS224-0003A	1	16:00						
SG4789-002P	SKT-PD1-SS224-0003P	1	16:04				PB		
SG4789-002S	SKT-PD1-SS224-0003S	1	16:08				PB		
SG4789-003	T-PD1-SS224-0003-00	1	16:13				PB		
CCV		1	16:17	AL	CA	FE	PB	MG	
CCB		1	16:22	AL	CA	FE	PB	MG	
SG4772-010A	SKT-PD1-SS223-0003A	1	16:26				PB		
SG4789-004	SKT-PD1-SS254-0003	1	16:31				PB		
SG4789-005	SKT-PD1-SS252-0003	1	16:35				PB		
SG4789-006	SKT-PD1-SS253-0003	1	16:39				PB		
SG4789-007	SKT-PD1-SS240-0003	1	16:44				PB		
SG4789-008	SKT-PD1-SS239-0003	1	16:48				PB		
SG4789-009	SKT-PD1-SS241-0003	1	16:53				PB		
SG4789-009L	SKT-PD1-SS241-0003L	5	16:57				PB		
SG4789-009A	SKT-PD1-SS241-0003A	1	17:02				PB		
SG4789-009P	SKT-PD1-SS241-0003P	1	17:06				PB		
CCV		1	17:10	AL	CA	FE	PB	MG	
CCB		1	17:15	AL	CA	FE	PB	MG	
SG4789-009S	SKT-PD1-SS241-0003S	1	17:19				PB		
SG4789-010	T-PD1-SS241-0003-00	1	17:24				PB		
SG4789-011	SKT-PD1-SS242-0003	1	17:28				PB		
SG4789-012	SKT-PD1-SS213-0003	1	17:33				PB		
SG4789-013	SKT-PD1-SS212-0003	1	17:37				PB		
SG4789-014	SKT-PD1-SS214-0003	1	17:41				PB		
SG4789-015	SKT-PD1-SS238-0003	1	17:46				PB		
SG4789-016	SKT-PD1-SS237-0003	1	17:50				PB		
SG4789-017	SKT-PD1-SS236-0003	1	17:55				PB		
SG4789-018	SKT-PD1-SS232-0003	1	17:59				PB		
CCV		1	18:04	AL	CA	FE	PB	MG	
CCB		1	18:08	AL	CA	FE	PB	MG	
SG4789-019	SKT-PD1-SS235-0003	1	18:13				PB		
ZZZZZZ		1	18:17						
ZZZZZZ		1	18:21						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG12A

Date: 7/12/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	18:26	
ZZZZZZ		1	18:30	
ZZZZZZ		1	18:35	
ZZZZZZ		1	18:39	
ZZZZZZ		1	18:44	
ZZZZZZ		1	18:48	
ZZZZZZ		1	18:53	
CCV		1	18:57	AL CA FE PB MG
CCB		1	19:02	AL CA FE PB MG
ZZZZZZ		1	19:06	
ZZZZZZ		5	19:11	
ZZZZZZ		1	19:15	
ZZZZZZ		1	19:19	
ZZZZZZ		1	19:24	
ZZZZZZ		1	19:28	
ZZZZZZ		1	19:33	
ZZZZZZ		1	19:37	
ZZZZZZ		1	19:42	
ZZZZZZ		1	19:46	
CCV		1	19:51	AL CA FE PB MG
CCB		1	19:55	AL CA FE PB MG
ZZZZZZ		1	20:00	
ZZZZZZ		1	20:04	
ZZZZZZ		1	20:09	
ZZZZZZ		1	20:13	
ZZZZZZ		1	20:17	
ZZZZZZ		1	20:22	
ZZZZZZ		1	20:26	
ZZZZZZ		1	20:31	
ZZZZZZ		1	20:35	
ZZZZZZ		1	20:40	
CCV		1	20:44	AL CA FE PB MG
CCB		1	20:49	AL CA FE PB MG
ZZZZZZ		1	20:53	
ZZZZZZ		1	20:58	
ZZZZZZ		1	21:02	
ZZZZZZ		1	21:07	
ZZZZZZ		1	21:11	
ZZZZZZ		5	21:16	
ZZZZZZ		1	21:20	
ZZZZZZ		1	21:25	
ZZZZZZ		1	21:29	
ZZZZZZ		1	21:34	
CCV		1	21:38	AL CA FE PB MG
CCB		1	21:42	AL CA FE PB MG
ZZZZZZ		1	21:47	
ZZZZZZ		1	21:51	
ZZZZZZ		1	21:56	
ZZZZZZ		1	22:01	
ZZZZZZ		1	22:05	
ZZZZZZ		1	22:10	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG12A

Date: 7/12/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
ZZZZZZ		1	22:14							
ZZZZZZ		1	22:19							
ZZZZZZ		1	22:23							
ZZZZZZ		1	22:28							
CCV		1	22:32	AL		CA		FE	PB	MG
CCB		1	22:37	AL		CA		FE	PB	MG
ZZZZZZ		1	22:41							
ZZZZZZ		1	22:46							
PBSGG12ICS1		1	22:50						PB	
LCSOGG12ICS1		1	22:55						PB	
ZZZZZZ		1	22:59							
ZZZZZZ		5	23:04							
ZZZZZZ		1	23:08							
ZZZZZZ		1	23:13							
ZZZZZZ		1	23:17							
ZZZZZZ		1	23:21							
CCV		1	23:26	AL		CA		FE	PB	MG
CCB		1	23:30	AL		CA		FE	PB	MG
ZZZZZZ		1	23:35							
ZZZZZZ		1	23:39							
ZZZZZZ		1	23:44							
ZZZZZZ		1	23:48							
ZZZZZZ		1	23:53							
ZZZZZZ		1	23:57							
ZZZZZZ		1	0:02							
ZZZZZZ		1	0:06							
ZZZZZZ		5	0:11							
SG4872-001	SKT-PD1-SS227-0003	1	0:15						PB	
CCV		1	0:20	AL		CA		FE	PB	MG
CCB		1	0:24	AL		CA		FE	PB	MG
SG4872-002	SKT-PD1-SS259-0003	1	0:29						PB	
SG4872-003	SKT-PD1-SS258-0003	1	0:33						PB	
SG4872-004	SKT-PD1-SS248-0003	1	0:38						PB	
SG4872-005	SKT-PD1-SS250-0003	1	0:42						PB	
ZZZZZZ		1	0:47							
SG4872-007	SKT-PD1-SS249-0003	1	0:51						PB	
SG4872-008	SKT-PD1-SS203-0003	1	0:55						PB	
SG4872-009	SKT-PD1-SS202-0003	1	1:00						PB	
SG4872-010	SKT-PD1-SS201-0003	1	1:04						PB	
CCV		1	1:09	AL		CA		FE	PB	MG
CCB		1	1:13	AL		CA		FE	PB	MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG15A

Date: 7/15/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:14	AL	CA	FE	PB	MG	
Std 1		1	14:19	AL	CA	FE	PB	MG	
ICV		1	14:23	AL	CA	FE	PB	MG	
ICB		1	14:27	AL	CA	FE	PB	MG	
PQL		1	14:32	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:36						
ZZZZZZ		1	14:41						
ICSA		1	14:50	AL	CA	FE	PB	MG	
ICSAB		1	14:55	AL	CA	FE	PB	MG	
CCV		1	14:59	AL	CA	FE	PB	MG	
CCB		1	15:04	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:08						
ZZZZZZ		1	15:12						
ZZZZZZ		1	15:17						
ZZZZZZ		1	15:21						
ZZZZZZ		1	15:26						
ZZZZZZ		1	15:30						
ZZZZZZ		1	15:34						
ZZZZZZ		1	15:39						
ZZZZZZ		1	15:43						
ZZZZZZ		1	15:48						
CCV		1	15:52	AL	CA	FE	PB	MG	
CCB		1	15:57	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:01						
ZZZZZZ		5	16:06						
ZZZZZZ		2	16:10						
ZZZZZZ		5	16:15						
SG4872-006	SKT-PD1-SS251-0003	10	16:19				PB		
ZZZZZZ		1	16:24						
ZZZZZZ		1	16:28						
ZZZZZZ		1	16:33						
ZZZZZZ		1	16:37						
ZZZZZZ		1	16:42						
CCV		1	16:46	AL	CA	FE	PB	MG	
CCB		1	16:51	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:55						
ZZZZZZ		1	17:00						
ZZZZZZ		1	17:04						
ZZZZZZ		1	17:09						
ZZZZZZ		1	17:13						
ZZZZZZ		5	17:18						
ZZZZZZ		1	17:22						
ZZZZZZ		1	17:27						
ZZZZZZ		1	17:31						
ZZZZZZ		1	17:35						
CCV		1	17:40	AL	CA	FE	PB	MG	
CCB		1	17:44	AL	CA	FE	PB	MG	
ZZZZZZ		1	17:49						
ZZZZZZ		1	17:53						
ZZZZZZ		1	17:58						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG15A

Date: 7/15/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	18:02	
ZZZZZZ		1	18:07	
ZZZZZZ		1	18:11	
ZZZZZZ		1	18:16	
ZZZZZZ		1	18:20	
ZZZZZZ		1	18:25	
ZZZZZZ		5	18:29	
CCV		1	18:34	AL CA FE PB MG
CCB		1	18:38	AL CA FE PB MG
ZZZZZZ		1	18:42	
ZZZZZZ		1	18:47	
ZZZZZZ		1	18:51	
ZZZZZZ		1	18:56	
ZZZZZZ		1	19:00	
ZZZZZZ		1	19:05	
ZZZZZZ		1	19:09	
ZZZZZZ		1	19:14	
ZZZZZZ		1	19:18	
ZZZZZZ		1	19:23	
CCV		1	19:27	AL CA FE PB MG
CCB		1	19:32	AL CA FE PB MG
ZZZZZZ		1	19:36	
ZZZZZZ		1	19:41	
PBSGG15ICS1		1	19:45	PB
LCSOGG15ICS1		1	19:50	PB
ZZZZZZ		1	19:54	
ZZZZZZ		1	19:59	
ZZZZZZ		1	20:03	
ZZZZZZ		1	20:08	
SG4872-011	SKT-PD1-SS200-0003	1	20:12	PB
ZZZZZZ		1	20:17	
CCV		1	20:21	AL CA FE PB MG
CCB		1	20:26	AL CA FE PB MG
SG4872-013	SKT-PD1-SS255-0003	1	20:30	PB
SG4872-013L	SKT-PD1-SS255-0003L	5	20:35	PB
SG4872-013A	SKT-PD1-SS255-0003A	1	20:39	PB
SG4872-013S	SKT-PD1-SS255-0003S	1	20:43	PB
SG4872-013P	SKT-PD1-SS255-0003P	1	20:48	PB
SG4872-014	PD1-SS255-0003-00	1	20:52	PB
SG4872-015	SKT-PD1-SS256-0003	1	20:57	PB
SG4872-016	SKT-PD1-SS206-0003	1	21:01	PB
SG4872-017	SKT-PD1-SS205-0003	1	21:06	PB
SG4872-018	SKT-PD1-SS204-0003	1	21:10	PB
CCV		1	21:15	AL CA FE PB MG
CCB		1	21:19	AL CA FE PB MG
SG4872-019	SKT-PD1-SS207-0003	1	21:24	PB
SG4872-020	SKT-PD1-SS260-0003	1	21:28	PB
ZZZZZZ		1	21:33	
ZZZZZZ		1	21:37	
ZZZZZZ		1	21:42	
CCV		1	21:46	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG15A

Date: 7/15/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
CCB		1	21:50	AL	CA	FE	PB	MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG16A

Date: 7/16/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
Blank		1	14:17	AL CA FE PB MG
Std 1		1	14:21	AL CA FE PB MG
ICV		1	14:25	AL CA FE PB MG
ICB		1	14:30	AL CA FE PB MG
PQL		1	14:34	AL CA FE PB MG
ZZZZZZ		1	14:39	
ZZZZZZ		1	14:44	
ICSA		1	14:53	AL CA FE PB MG
ICSAB		1	14:57	AL CA FE PB MG
CCV		1	15:02	AL CA FE PB MG
CCB		1	15:06	AL CA FE PB MG
ZZZZZZ		1	15:11	
ZZZZZZ		1	15:15	
ZZZZZZ		1	15:20	
ZZZZZZ		50	15:24	
ZZZZZZ		1	15:29	
ZZZZZZ		5	15:33	
ZZZZZZ		1	15:38	
ZZZZZZ		1	15:42	
ZZZZZZ		1	15:47	
ZZZZZZ		1	15:51	
CCV		1	15:56	AL CA FE PB MG
CCB		1	16:00	AL CA FE PB MG
SG4872-012	SKT-PD1-SS215-0003	2	16:04	PB
ZZZZZZ		100	16:09	
ZZZZZZ		5	16:13	
ZZZZZZ		10	16:18	
ZZZZZZ		10	16:22	
ZZZZZZ		2	16:27	
ZZZZZZ		1	16:31	
ZZZZZZ		1	16:36	
ZZZZZZ		1	16:40	
ZZZZZZ		1	16:45	
CCV		1	16:49	AL CA FE PB MG
CCB		1	16:54	AL CA FE PB MG

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG17A

Date: 7/17/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
Blank		1	15:41	AL CA FE PB MG
Std 1		1	15:46	AL CA FE PB MG
ICV		1	15:50	AL CA FE PB MG
ICB		1	15:55	AL CA FE PB MG
PQL		1	15:59	AL CA FE PB MG
ICSA		1	16:04	AL CA FE PB MG
ICSAB		1	16:08	AL CA FE PB MG
CCV		1	16:13	AL CA FE PB MG
CCB		1	16:17	AL CA FE PB MG
ZZZZZZ		2	16:22	
ZZZZZZ		2	16:26	
ZZZZZZ		1	16:30	
ZZZZZZ		1	16:35	
ZZZZZZ		1	16:39	
ZZZZZZ		1	16:44	
ZZZZZZ		1	16:48	
ZZZZZZ		1	16:53	
ZZZZZZ		1	16:57	
ZZZZZZ		1	17:02	
CCV		1	17:06	AL CA FE PB MG
CCB		1	17:11	AL CA FE PB MG
ZZZZZZ		2	17:15	
ZZZZZZ		5	17:20	
ZZZZZZ		1	17:24	
ZZZZZZ		1	17:29	
ZZZZZZ		1	17:33	
ZZZZZZ		1	17:38	
ZZZZZZ		1	17:42	
ZZZZZZ		1	17:46	
ZZZZZZ		5	17:51	
ZZZZZZ		1	17:56	
CCV		1	18:00	AL CA FE PB MG
CCB		1	18:04	AL CA FE PB MG
ZZZZZZ		1	18:09	
ZZZZZZ		1	18:13	
ZZZZZZ		1	18:18	
ZZZZZZ		1	18:22	
ZZZZZZ		1	18:27	
ZZZZZZ		1	18:31	
ZZZZZZ		5	18:36	
ZZZZZZ		1	18:40	
ZZZZZZ		1	18:45	
ZZZZZZ		1	18:49	
CCV		1	18:54	AL CA FE PB MG
CCB		1	18:58	AL CA FE PB MG
ZZZZZZ		1	19:03	
ZZZZZZ		1	19:07	
ZZZZZZ		5	19:12	
ZZZZZZ		1	19:16	
ZZZZZZ		1	19:21	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG17A

Date: 7/17/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		1	19:25	
ZZZZZZ		1	19:30	
ZZZZZZ		1	19:34	
ZZZZZZ		1	19:39	
ZZZZZZ		1	19:43	
CCV		1	19:48	AL CA FE PB MG
CCB		1	19:52	AL CA FE PB MG
ZZZZZZ		1	19:57	
ZZZZZZ		1	20:01	
ZZZZZZ		1	20:06	
ZZZZZZ		1	20:10	
ZZZZZZ		1	20:15	
ZZZZZZ		1	20:19	
PBSGG17ICS1		1	20:24	PB
LCSOGG17ICS1		1	20:28	PB
LC2OGG17ICS1		1	20:33	PB
ZZZZZZ		1	20:37	
CCV		1	20:42	AL CA FE PB MG
CCB		1	20:46	AL CA FE PB MG
ZZZZZZ		1	20:51	
SG4875-001	SKT-PD1-SS243-0003	1	20:55	PB
SG4875-002	SKT-PD1-SS219-0003	1	21:00	PB
SG4875-003	SKT-PD1-SS218-0003	1	21:04	PB
SG4875-004	SKT-PD1-SS216-0003	1	21:09	PB
SG4875-005	SKT-PD1-SS217-0003	1	21:13	PB
SG4875-006	SKT-PD1-SS245-0003	1	21:18	PB
SG4875-007	SKT-PD1-SS246-0003	1	21:22	PB
SG4875-008	SKT-PD1-SS247-0003	1	21:27	PB
SG4875-009	SKT-PD1-SS257-0003	1	21:31	PB
CCV		1	21:36	AL CA FE PB MG
CCB		1	21:40	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-1

Instrument ID: THERMO ICAP 6500 **File Name:** IGG18A

Date: 7/18/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	12:39	AL	CA	FE	PB	MG	
Std 1		1	12:43	AL	CA	FE	PB	MG	
ICV		1	12:48	AL	CA	FE	PB	MG	
ICB		1	12:52	AL	CA	FE	PB	MG	
PQL		1	12:57	AL	CA	FE	PB	MG	
ICSA		1	13:01	AL	CA	FE	PB	MG	
ICSAB		1	13:06	AL	CA	FE	PB	MG	
CCV		1	13:10	AL	CA	FE	PB	MG	
CCB		1	13:15	AL	CA	FE	PB	MG	
ZZZZZZ		1	13:19						
ZZZZZZ		1	13:24						
ZZZZZZ		1	13:28						
ZZZZZZ		1	13:33						
ZZZZZZ		1	13:37						
ZZZZZZ		1	13:41						
ZZZZZZ		1	13:46						
ZZZZZZ		1	13:50						
ZZZZZZ		1	13:55						
ZZZZZZ		1	13:59						
CCV		1	14:04	AL	CA	FE	PB	MG	
CCB		1	14:08	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:13						
ZZZZZZ		1	14:17						
SG4875-009A	SKT-PD1-SS257-0003A	1	14:22						
SG4875-009L	SKT-PD1-SS257-0003L	5	14:26				PB		
SG4875-009P	SKT-PD1-SS257-0003P	1	14:30				PB		
SG4875-009S	SKT-PD1-SS257-0003S	1	14:35				PB		
SG4875-010	PD1-SS257-0003-00	1	14:39				PB		
ZZZZZZ		1	14:44						
ZZZZZZ		1	14:48						
ZZZZZZ		1	14:53						
CCV		1	14:57	AL	CA	FE	PB	MG	
CCB		1	15:02	AL	CA	FE	PB	MG	
ZZZZZZ		5	15:06						
CCV		1	15:11	AL	CA	FE	PB	MG	
CCB		1	15:15	AL	CA	FE	PB	MG	

FORM XIV - IN

Raw Data Section

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Thermo ICAP 6500 **ANALYST:** NT **ANALYSIS DATE:** 7/11/13

FILE NAME: 1G611A

REVIEWED
gm 07-12-13
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal Blk, ICB, CCB	MW14314	7/9/13	7/9/14	0 ug/L
Cal Std	MW14306	7/8/13	10/3/13	varies by
ICV	MW14315	7/10/13	10/10/13	element
PQL	MW14305	7/8/13	10/3/13	
ICSA	MW14289	6/26/13	9/26/13	
ICSAB	MW14262	6/5/13	9/5/13	
LRS1	MW14292	6/27/13	7/3/13	
LRS2	MW14293	6/27/13	7/3/13	
CCV	MW14304	7/8/13	10/3/13	
internal Std	MW14277	6/19/13	9/19/13	5 mg/L

Additional Comments and Notes:

NT 7/12/13

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG11A	7/11/2013	13:59	NAT
Std 1	1.000	IGG11A	7/11/2013	14:04	NAT
ICV	1.000	IGG11A	7/11/2013	14:08	NAT
ICB	1.000	IGG11A	7/11/2013	14:12	NAT
PQL	1.000	IGG11A	7/11/2013	14:17	NAT
LRS1	1.000	IGG11A	7/11/2013	14:21	NAT
LRS2	1.000	IGG11A	7/11/2013	14:26	NAT
ICSA	1.000	IGG11A	7/11/2013	14:35	NAT
ICSAB	1.000	IGG11A	7/11/2013	14:40	NAT
CCV	1.000	IGG11A	7/11/2013	14:44	NAT
CCB	1.000	IGG11A	7/11/2013	14:48	NAT
SG4781-001	1.000	IGG11A	7/11/2013	14:53	NAT
LCSOGG03ICS1	1.000	IGG11A	7/11/2013	14:57	NAT
LC2OGG03ICS1	1.000	IGG11A	7/11/2013	15:02	NAT
PBSGG03ICS1	1.000	IGG11A	7/11/2013	15:06	NAT
SG4654-001	1.000	IGG11A	7/11/2013	15:11	NAT
SG4654-001L	5.000	IGG11A	7/11/2013	15:15	NAT
SG4654-001A	1.000	IGG11A	7/11/2013	15:20	NAT
SG4654-001P	1.000	IGG11A	7/11/2013	15:24	NAT
SG4654-001S	1.000	IGG11A	7/11/2013	15:28	NAT
SG4654-002	2.000	IGG11A	7/11/2013	15:33	NAT
CCV	1.000	IGG11A	7/11/2013	15:37	NAT
CCB	1.000	IGG11A	7/11/2013	15:41	NAT
LCSOGG09ICS1	1.000	IGG11A	7/11/2013	15:46	NAT
LC2OGG09ICS1	1.000	IGG11A	7/11/2013	15:50	NAT
PBSGG09ICS1	1.000	IGG11A	7/11/2013	15:55	NAT
SG4747-001	1.000	IGG11A	7/11/2013	15:59	NAT
SG4747-002	2.000	IGG11A	7/11/2013	16:04	NAT
SG4747-002L	10.00	IGG11A	7/11/2013	16:08	NAT
SG4747-002A	2.000	IGG11A	7/11/2013	16:13	NAT
SG4747-002P	2.000	IGG11A	7/11/2013	16:17	NAT
SG4747-002S	2.000	IGG11A	7/11/2013	16:21	NAT
SG4463-002	25.00	IGG11A	7/11/2013	16:26	NAT
CCV	1.000	IGG11A	7/11/2013	16:30	NAT
CCB	1.000	IGG11A	7/11/2013	16:35	NAT
SG4463-003	25.00	IGG11A	7/11/2013	16:39	NAT
SG4463-004	25.00	IGG11A	7/11/2013	16:44	NAT
LCSWGG10ICW1	1.000	IGG11A	7/11/2013	16:48	NAT
PBWGG10ICW1	1.000	IGG11A	7/11/2013	16:53	NAT
SG4687-001	1.000	IGG11A	7/11/2013	16:57	NAT
LCSOGG10ICS1	1.000	IGG11A	7/11/2013	17:02	NAT
PBSGG10ICS1	1.000	IGG11A	7/11/2013	17:06	NAT
SG4772-001	1.000	IGG11A	7/11/2013	17:11	NAT
SG4772-002	1.000	IGG11A	7/11/2013	17:15	NAT

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG4772-003	1.000	IGG11A	7/11/2013	17:20	NAT
CCV	1.000	IGG11A	7/11/2013	17:24	NAT
CCB	1.000	IGG11A	7/11/2013	17:28	NAT
SG4772-004	1.000	IGG11A	7/11/2013	17:33	NAT
SG4772-005	1.000	IGG11A	7/11/2013	17:37	NAT
SG4772-006	1.000	IGG11A	7/11/2013	17:42	NAT
SG4772-007	1.000	IGG11A	7/11/2013	17:46	NAT
SG4772-008	1.000	IGG11A	7/11/2013	17:51	NAT
SG4772-009	1.000	IGG11A	7/11/2013	17:55	NAT
SG4772-010	1.000	IGG11A	7/11/2013	18:00	NAT
SG4772-010L	5.000	IGG11A	7/11/2013	18:04	NAT
SG4772-010A	1.000	IGG11A	7/11/2013	18:09	NAT
SG4772-010P	1.000	IGG11A	7/11/2013	18:13	NAT
CCV	1.000	IGG11A	7/11/2013	18:17	NAT
CCB	1.000	IGG11A	7/11/2013	18:22	NAT
SG4772-010S	1.000	IGG11A	7/11/2013	18:26	NAT
SG4772-011	1.000	IGG11A	7/11/2013	18:31	NAT
SG4772-012	1.000	IGG11A	7/11/2013	18:35	NAT
SG4772-013	1.000	IGG11A	7/11/2013	18:40	NAT
SG4772-014	1.000	IGG11A	7/11/2013	18:44	NAT
SG4772-015	1.000	IGG11A	7/11/2013	18:48	NAT
SG4772-016	1.000	IGG11A	7/11/2013	18:53	NAT
SG4772-017	1.000	IGG11A	7/11/2013	18:57	NAT
SG4772-018	1.000	IGG11A	7/11/2013	19:02	NAT
SG4772-019	1.000	IGG11A	7/11/2013	19:06	NAT
CCV	1.000	IGG11A	7/11/2013	19:11	NAT
CCB	1.000	IGG11A	7/11/2013	19:15	NAT
SG4772-020	1.000	IGG11A	7/11/2013	19:20	NAT
CCV	1.000	IGG11A	7/11/2013	19:24	NAT
CCB	1.000	IGG11A	7/11/2013	19:28	NAT
PQL	1.000	IGG11A	7/11/2013	19:33	NAT
ICSA	1.000	IGG11A	7/11/2013	19:37	NAT
ICSAB	1.000	IGG11A	7/11/2013	19:42	NAT
CCV	1.000	IGG11A	7/11/2013	19:46	NAT
CCB	1.000	IGG11A	7/11/2013	19:51	NAT

Intensity Report

Author:

Published: 7/12/2013 7:35:58AM

Notes:

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Method Name: K6010-2011 Method Revision: 824

Analyst Name: NAT

Acquire Date: 7/11/2013 1:59:35PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.00007871	Cts/S	0.00002765	35.14	-15.35
Al3961_R		-0.0002893	Cts/S	0.0002685	92.80	-3.827
As1891_A		-0.0001912	Cts/S	0.00004043	21.15	-1.297
Au2427_A		0.000001786	Cts/S	0.00007542	4,223	0.01244
B_2089_A		0.0005906	Cts/S	0.00008836	14.96	4.008
Ba4554_R		0.0009794	Cts/S	0.0001604	16.38	12.91
Be3130_R		-0.0005771	Cts/S	0.001266	219.3	-7.662
Ca3158_R		-0.0006199	Cts/S	0.0001105	17.82	-8.173
Cd2265_A		-0.00001312	Cts/S	0.00001443	110.0	-0.08895
Co2286_A		0.0007768	Cts/S	0.00009295	11.97	5.271
Cr2677_A		0.00003590	Cts/S	0.000009748	27.15	6.985
Cu3273_A		0.0001539	Cts/S	0.00002661	17.29	29.99
Fe2599_R		0.0007317	Cts/S	0.00008560	11.70	9.656
K_7664_R		0.0005362	Cts/S	0.0007351	137.1	7.102
Li6707_R		0.005948	Cts/S	0.001579	26.55	78.41
Mg2025_A		-0.0002321	Cts/S	0.00004539	19.56	-1.575
Mn2576_R		0.00004827	Cts/S	0.0003085	639.1	0.6250
Mo2020_A		0.0003828	Cts/S	0.000001728	0.4515	2.597
Na5895_R		-0.008991	Cts/S	0.002151	23.93	-118.5
Ni2316_A		-0.0001606	Cts/S	0.00003904	24.31	-1.090
Pb2203_A		0.0001127	Cts/S	0.00001543	13.69	0.7650
Sb2068_A		0.0002113	Cts/S	0.00006127	28.99	1.434
Se1960_A		0.00007536	Cts/S	0.00006389	84.78	0.5111
Si2516_R		0.0006438	Cts/S	0.0001973	30.64	8.500
Sn1899_A		0.00005910	Cts/S	0.00004239	71.73	0.4012
Sr4215_R		-0.002796	Cts/S	0.0006721	24.04	-36.91
Ti3349_A		-0.0001015	Cts/S	0.000005182	5.107	-19.77
Tl1908_A		0.00004529	Cts/S	0.00001315	29.05	0.3072
V_2924_A		-0.00001803	Cts/S	0.000003239	17.96	-3.509
Zn2062_A		0.0003055	Cts/S	0.000001150	0.3766	2.073
Y_3600_R		13,192	Cts/S	76.488	0.57981	13,192
Y_2243_A		6,785.4	Cts/S	8.5852	0.12652	6,785.4
Y_3600_A		194,740	Cts/S	1,559.9	0.80101	194,740

Std 1

Method Name: K6010-2011 Method Revision: 824

Analyst Name: NAT

Acquire Date: 7/11/2013 2:04:05PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.09388	Cts/S	0.0003669	0.3909	17,790
Al3961_R		0.9738	Cts/S	0.006830	0.7014	12,930
As1891_A		0.04277	Cts/S	0.00001471	0.03439	284.7
Au2427_A		0.4305	Cts/S	0.001184	0.2750	2,866
B_2089_A		0.1284	Cts/S	0.0003567	0.2779	854.6
Ba4554_R		2.430	Cts/S	0.01754	0.7217	32,260
Be3130_R		5.125	Cts/S	0.03440	0.6713	68,030
Ca3158_R		1.581	Cts/S	0.01545	0.9776	20,980
Cd2265_A		1.656	Cts/S	0.004216	0.2545	11,030
Co2286_A		0.4629	Cts/S	0.0005636	0.1217	3,082
Cr2677_A		0.06704	Cts/S	0.0002586	0.3857	12,710
Cu3273_A		0.06426	Cts/S	0.0002585	0.4023	12,180
Fe2599_R		2.360	Cts/S	0.02273	0.9634	31,320

Std 1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:04:05PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		0.8521	Cts/S	0.002436	0.2859	11,310
Li6707_R		0.5715	Cts/S	0.004638	0.8114	7,587
Mg2025_A		0.6144	Cts/S	0.0001754	0.02855	4,090
Mn2576_R		0.4582	Cts/S	0.002453	0.5354	6,082
Mo2020_A		0.2544	Cts/S	0.0004321	0.1699	1,693
Na5895_R		2.326	Cts/S	0.01935	0.8322	30,870
Ni2316_A		0.2730	Cts/S	0.00003239	0.01187	1,817
Pb2203_A		0.1252	Cts/S	0.0001569	0.1253	833.2
Sb2068_A		0.04765	Cts/S	0.00002160	0.04533	317.2
Se1960_A		0.02462	Cts/S	0.00002332	0.09471	163.9
Si2516_R		0.5517	Cts/S	0.005178	0.9385	7,323
Sn1899_A		0.06128	Cts/S	0.0001246	0.2033	408.0
Sr4215_R		3.132	Cts/S	0.02586	0.8256	41,580
Ti3349_A		0.1290	Cts/S	0.0002536	0.1965	24,460
Tl1908_A		0.06338	Cts/S	0.0001163	0.1836	421.9
V_2924_A		0.06819	Cts/S	0.0003331	0.4884	12,920
Zn2062_A		0.4335	Cts/S	0.0003626	0.08365	2,886
Y_3600_R		13,274	Cts/S	13.731	0.10345	13,274
Y_2243_A		6,657.1	Cts/S	1.1022	0.016556	6,657.1
Y_3600_A		189,530	Cts/S	159.32	0.084060	189,530

ICV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:08:23PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		392.3	ug/L	0.7192	0.1833	7,008
Al3961_R		9,876	ug/L	49.34	0.4996	5,067
As1891_A		396.0	ug/L	1.598	0.4035	112.4
Au2427_A		392.0	ug/L	0.04579	0.01168	1,128
B_2089_A		394.9	ug/L	0.4511	0.1142	341.5
Ba4554_R		399.0	ug/L	0.7566	0.1896	12,780
Be3130_R		395.9	ug/L	1.992	0.5032	26,730
Ca3158_R		10,320	ug/L	34.56	0.3350	8,591
Cd2265_A		392.3	ug/L	0.2127	0.05422	4,342
Co2286_A		403.3	ug/L	0.1277	0.03165	1,251
Cr2677_A		399.4	ug/L	1.566	0.3921	5,107
Cu3273_A		400.5	ug/L	3.773	0.9422	4,922
Fe2599_R		10,000	ug/L	84.31	0.8430	12,440
K_7664_R		13,360	ug/L	53.96	0.4040	6,002
Li6707_R		390.9	ug/L	1.177	0.3012	2,991
Mg2025_A		10,070	ug/L	30.16	0.2994	1,654
Mn2576_R		394.3	ug/L	2.141	0.5430	2,381
Mo2020_A		404.6	ug/L	0.9287	0.2295	689.3
Na5895_R		9,949	ug/L	15.72	0.1581	12,120
Ni2316_A		401.7	ug/L	0.8968	0.2232	732.3
Pb2203_A		404.1	ug/L	0.2675	0.06620	338.5
Sb2068_A		388.4	ug/L	1.282	0.3299	124.6
Se1960_A		395.1	ug/L	0.2729	0.06908	65.32
Si2516_R		9,554	ug/L	33.35	0.3490	2,784
Sn1899_A		399.7	ug/L	1.739	0.4351	163.9
Sr4215_R		392.4	ug/L	1.676	0.4272	16,170
Ti3349_A		392.6	ug/L	0.6851	0.1745	9,642
Tl1908_A		404.0	ug/L	1.142	0.2827	171.3
V_2924_A		397.7	ug/L	1.165	0.2930	5,165
Zn2062_A		400.1	ug/L	0.9314	0.2328	1,161
Y_3600_R		13,177	Cts/S	31.797	0.24130	13,177

ICV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:08:23PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		6,682.9	Cts/S	18.226	0.27273	6,682.9
Y_3600_A		190,570	Cts/S	1,067.2	0.56000	190,570

ICB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:12:43PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1431	ug/L	0.02471	17.26	-12.97
Al3961_R		-9.117	ug/L	13.74	150.7	-8.582
As1891_A		2.036	ug/L	0.1391	6.834	-0.7024
Au2427_A		0.7939	ug/L	1.559	196.3	2.358
B_2089_A		0.5389	ug/L	0.006522	1.210	4.492
Ba4554_R		-0.1451	ug/L	0.3826	263.7	8.409
Be3130_R		0.02792	ug/L	0.02784	99.71	-5.787
Ca3158_R		-6.755	ug/L	5.636	83.44	-13.93
Cd2265_A		-0.1521	ug/L	0.02438	16.04	-1.797
Co2286_A		0.07663	ug/L	0.05178	67.57	5.512
Cr2677_A		-0.007641	ug/L	0.2052	2,685	7.068
Cu3273_A		0.2853	ug/L	0.1400	49.06	34.27
Fe2599_R		0.2355	ug/L	0.4438	188.5	10.04
K_7664_R		9.715	ug/L	65.97	679.0	11.68
Li6707_R		0.9446	ug/L	2.079	220.1	86.44
Mg2025_A		1.629	ug/L	2.071	127.1	-1.300
Mn2576_R		-0.08694	ug/L	0.4634	533.0	0.1250
Mo2020_A		1.200	ug/L	0.6917	57.63	4.652
Na5895_R		12.24	ug/L	11.80	96.43	-104.6
Ni2316_A		0.6382	ug/L	0.5199	81.46	0.08762
Pb2203_A		-0.4983	ug/L	0.5748	115.4	0.3443
Sb2068_A		0.7894	ug/L	2.317	293.5	1.677
Se1960_A		-1.500	ug/L	1.579	105.3	0.2637
Si2516_R		4.444	ug/L	15.80	355.6	9.906
Sn1899_A		0.8607	ug/L	0.1863	21.65	0.7587
Sr4215_R		0.4627	ug/L	0.006352	1.373	-17.92
Ti3349_A		0.4638	ug/L	0.01486	3.203	-8.265
Tl1908_A		1.225	ug/L	0.4673	38.13	0.8355
V_2924_A		0.3291	ug/L	0.3835	116.5	0.8608
Zn2062_A		4.106	ug/L	0.6737	16.41	14.13
Y_3600_R		13,323	Cts/S	116.58	0.87498	13,323
Y_2243_A		6,780.6	Cts/S	114.23	1.6847	6,780.6
Y_3600_A		199,020	Cts/S	3,567.5	1.7926	199,020

PQL

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:17:15PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		9.755	ug/L	0.08329	0.8539	164.9
Al3961_R		297.1	ug/L	19.73	6.638	151.0
As1891_A	W	9.820	ug/L	0.4313	4.392	1.572
Au2427_A		102.0	ug/L	0.01959	0.01921	297.6
B_2089_A		50.10	ug/L	0.003533	0.007052	46.29
Ba4554_R		4.463	ug/L	0.6041	13.53	157.9
Be3130_R		5.030	ug/L	0.02565	0.5099	336.7
Ca3158_R		100.7	ug/L	3.133	3.110	76.87
Cd2265_A		5.051	ug/L	0.03051	0.6041	56.82
Co2286_A		10.54	ug/L	0.09230	0.8759	38.45

PQL

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:17:15PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		10.11	ug/L	0.1528	1.512	139.6
Cu3273_A		26.54	ug/L	0.4445	1.675	363.6
Fe2599_R		98.69	ug/L	3.640	3.688	134.3
K_7664_R		1,054	ug/L	70.30	6.670	486.9
Li6707_R		97.94	ug/L	3.902	3.984	819.9
Mg2025_A		106.7	ug/L	1.164	1.091	16.50
Mn2576_R		5.292	ug/L	0.4755	8.985	33.09
Mo2020_A		9.778	ug/L	0.02687	0.2748	19.50
Na5895_R		1,032	ug/L	20.12	1.948	1,169
Ni2316_A		10.89	ug/L	0.3256	2.990	19.16
Pb2203_A		4.352	ug/L	2.159	49.62	4.438
Sb2068_A		7.826	ug/L	0.9345	11.94	3.667
Se1960_A		8.589	ug/L	2.931	34.13	1.946
Si2516_R		190.9	ug/L	3.247	1.701	64.88
Sn1899_A		104.0	ug/L	0.5201	0.5001	43.72
Sr4215_R		10.55	ug/L	0.3308	3.135	404.9
Ti3349_A		14.98	ug/L	0.5784	3.861	358.8
Tl1908_A		17.10	ug/L	0.1203	0.7039	7.681
V_2924_A		10.22	ug/L	0.3881	3.796	133.3
Zn2062_A		20.08	ug/L	0.02135	0.1063	61.30
Y_3600_R		13,372	Cts/S	270.04	2.0195	13,372
Y_2243_A		6,803.9	Cts/S	11.254	0.16540	6,803.9
Y_3600_A		195,760	Cts/S	1,198.2	0.61207	195,760

LRS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:21:45PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	F	2,226	ug/L	1.324	0.05947	38,220
Al3961_R		-7.328	ug/L	13.37	182.4	440.2
As1891_A		20,680	ug/L	45.84	0.2217	5,536
Au2427_A	W	21,110	ug/L	72.40	0.3430	56,260
B_2089_A		20,570	ug/L	57.35	0.2788	16,350
Ba4554_R		19,690	ug/L	69.88	0.3548	623,600
Be3130_R		19,760	ug/L	211.5	1.070	1,320,000
Ca3158_R		52.02	ug/L	1.723	3.313	17.16
Cd2265_A		19,480	ug/L	10.95	0.05621	200,700
Co2286_A		19,920	ug/L	36.32	0.1823	57,300
Cr2677_A		19,540	ug/L	9.196	0.04706	238,000
Cu3273_A		19,730	ug/L	3.001	0.01521	230,000
Fe2599_R		-7.038	ug/L	3.859	54.84	0.8854
K_7664_R		32.46	ug/L	12.79	39.40	21.40
Li6707_R		18,990	ug/L	310.4	1.635	140,100
Mg2025_A		199,600	ug/L	415.6	0.2082	30,950
Mn2576_R		20,350	ug/L	384.2	1.888	121,500
Mo2020_A		19,920	ug/L	44.68	0.2242	31,500
Na5895_R		53.35	ug/L	20.38	38.20	-52.24
Ni2316_A		19,710	ug/L	44.21	0.2243	33,560
Pb2203_A		20,500	ug/L	18.58	0.09062	16,000
Sb2068_A		20,790	ug/L	70.92	0.3411	6,134
Se1960_A		20,520	ug/L	45.41	0.2213	3,133
Si2516_R		-0.7987	ug/L	19.04	2,383	80.06
Sn1899_A		20,350	ug/L	31.77	0.1561	7,754
Sr4215_R		19,120	ug/L	364.7	1.907	781,500
Ti3349_A		19,510	ug/L	174.3	0.8934	458,000
Tl1908_A		20,030	ug/L	36.67	0.1831	7,894

LRS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:21:45PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A		20,090	ug/L	41.40	0.2060	249,100
Zn2062_A		19,040	ug/L	11.68	0.06133	51,360
Y_3600_R		13,035	Cts/S	15.201	0.11661	13,035
Y_2243_A		6,224.7	Cts/S	3.6699	0.058957	6,224.7
Y_3600_A		181,780	Cts/S	184.50	0.10149	181,780

LRS2

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:26:29PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-2.797	ug/L	0.01693	0.6054	-1,390
Al3961_R		526,000	ug/L	3,165	0.6017	262,300
As1891_A		9.980	ug/L	3.460	34.67	-2.397
Au2427_A		11.78	ug/L	1.783	15.14	171.9
B_2089_A		35.31	ug/L	4.218	11.95	30.80
Ba4554_R		3.269	ug/L	0.1548	4.734	114.4
Be3130_R		0.7552	ug/L	0.1843	24.40	41.49
Ca3158_R		494,800	ug/L	7,691	1.555	401,300
Cd2265_A		1.433	ug/L	0.1216	8.486	106.1
Co2286_A		1.138	ug/L	0.04608	4.049	14.16
Cr2677_A		-1.010	ug/L	0.2882	28.54	-0.2702
Cu3273_A		-1.769	ug/L	0.7564	42.76	54.74
Fe2599_R		242,000	ug/L	1,159	0.4788	292,800
K_7664_R		297,100	ug/L	189.6	0.06381	129,800
Li6707_R		19.62	ug/L	0.6420	3.272	218.5
Mg2025_A		194,900	ug/L	723.2	0.3710	28,770
Mn2576_R		9.177	ug/L	0.5210	5.678	73.86
Mo2020_A		31.31	ug/L	7.415	23.68	50.49
Na5895_R	W	188,900	ug/L	303.5	0.1606	226,000
Ni2316_A		4.265	ug/L	0.1946	4.562	-13.43
Pb2203_A		-2.511	ug/L	0.3816	15.20	-47.27
Sb2068_A		17.15	ug/L	1.639	9.560	9.106
Se1960_A		2.821	ug/L	3.134	111.1	2.130
Si2516_R		95,520	ug/L	244.7	0.2561	26,980
Sn1899_A		4.786	ug/L	2.372	49.55	2.132
Sr4215_R		5.335	ug/L	0.1698	3.183	178.6
Ti3349_A		16.85	ug/L	1.578	9.362	344.1
Tl1908_A		3.170	ug/L	0.1483	4.679	3.029
V_2924_A		0.7948	ug/L	0.1514	19.05	21.40
Zn2062_A		115.8	ug/L	0.1480	0.1278	306.3
Y_3600_R		12,821	Cts/S	35.101	0.27379	12,821
Y_2243_A		6,059.8	Cts/S	18.891	0.31174	6,059.8
Y_3600_A		165,800	Cts/S	669.45	0.40376	165,800

ICSA

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:35:30PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.03309	ug/L	0.0000	0.0000	-1,069
Al3961_R		491,900	ug/L	0.0000	0.0000	245,500
As1891_A		1.383	ug/L	0.0000	0.0000	-3.775
Au2427_A		3.262	ug/L	0.0000	0.0000	118.1
B_2089_A		8.355	ug/L	0.0000	0.0000	9.814
Ba4554_R		-0.4098	ug/L	0.0000	0.0000	-0.2044
Be3130_R		0.06989	ug/L	0.0000	0.0000	-2.998

ICSA

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:35:30PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		482,200	ug/L	0.0000	0.0000	391,300
Cd2265_A		0.3470	ug/L	0.0000	0.0000	74.47
Co2286_A		-2.016	ug/L	0.0000	0.0000	3.870
Cr2677_A		-0.2417	ug/L	0.0000	0.0000	7.283
Cu3273_A		-1.707	ug/L	0.0000	0.0000	56.21
Fe2599_R		187,400	ug/L	0.0000	0.0000	226,900
K_7664_R		62.44	ug/L	0.0000	0.0000	34.17
Li6707_R		16.78	ug/L	0.0000	0.0000	198.1
Mg2025_A		460,400	ug/L	0.0000	0.0000	67,920
Mn2576_R		0.3285	ug/L	0.0000	0.0000	18.05
Mo2020_A		0.2943	ug/L	0.0000	0.0000	2.771
Na5895_R		71.87	ug/L	0.0000	0.0000	-29.25
Ni2316_A		0.8740	ug/L	0.0000	0.0000	-14.68
Pb2203_A		-1.101	ug/L	0.0000	0.0000	-44.15
Sb2068_A		2.600	ug/L	0.0000	0.0000	4.700
Se1960_A		3.866	ug/L	0.0000	0.0000	2.032
Si2516_R		34.78	ug/L	0.0000	0.0000	12.37
Sn1899_A		4.825	ug/L	0.0000	0.0000	2.147
Sr4215_R		2.279	ug/L	0.0000	0.0000	55.80
Ti3349_A		4.110	ug/L	0.0000	0.0000	72.77
Tl1908_A		3.871	ug/L	0.0000	0.0000	3.251
V_2924_A		-0.2051	ug/L	0.0000	0.0000	9.097
Zn2062_A		8.390	ug/L	0.0000	0.0000	23.89
Y_3600_R		12,830	Cts/S	0.00000	0.00000	12,830
Y_2243_A		6,056.7	Cts/S	0.00000	0.00000	6,056.7
Y_3600_A		169,600	Cts/S	0.00000	0.00000	169,600

ICSAB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:40:02PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		219.2	ug/L	1.425	0.6500	2,382
Al3961_R		494,900	ug/L	1,071	0.2163	244,500
As1891_A		100.7	ug/L	1.707	1.695	22.08
Au2427_A		534.1	ug/L	2.557	0.4787	1,482
B_2089_A		506.7	ug/L	1.076	0.2124	391.9
Ba4554_R		499.3	ug/L	0.7918	0.1586	15,420
Be3130_R		498.6	ug/L	0.8190	0.1642	32,450
Ca3158_R		481,100	ug/L	7,791	1.620	386,500
Cd2265_A		966.6	ug/L	1.052	0.1089	9,672
Co2286_A		471.2	ug/L	1.614	0.3425	1,317
Cr2677_A		503.0	ug/L	5.450	1.084	5,569
Cu3273_A		524.1	ug/L	3.448	0.6579	5,615
Fe2599_R		188,100	ug/L	163.9	0.08712	225,500
K_7664_R		20,810	ug/L	35.17	0.1691	9,008
Li6707_R		535.4	ug/L	0.1027	0.01918	3,922
Mg2025_A		467,800	ug/L	1,266	0.2707	68,420
Mn2576_R		477.3	ug/L	0.2486	0.05208	2,792
Mo2020_A		495.1	ug/L	0.9787	0.1977	757.1
Na5895_R		20,440	ug/L	128.3	0.6276	24,120
Ni2316_A		931.9	ug/L	3.050	0.3273	1,513
Pb2203_A		42.93	ug/L	1.054	2.454	-11.39
Sb2068_A		611.1	ug/L	3.879	0.6346	177.9
Se1960_A		48.86	ug/L	0.004207	0.008611	8.685
Si2516_R		1,948	ug/L	23.74	1.219	549.2
Sn1899_A		482.0	ug/L	0.3910	0.08113	177.5

ICSAB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:40:02PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		495.6	ug/L	0.7176	0.1448	19,700
Ti3349_A		513.7	ug/L	4.252	0.8279	10,930
Tl1908_A		94.37	ug/L	1.134	1.202	37.34
V_2924_A		512.2	ug/L	4.887	0.9541	5,776
Zn2062_A		943.0	ug/L	1.870	0.1983	2,456
Y_3600_R		12,701	Cts/S	193.42	1.5229	12,701
Y_2243_A		6,003.0	Cts/S	9.1175	0.15188	6,003.0
Y_3600_A		164,970	Cts/S	1,270.2	0.76996	164,970

CCV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:44:31PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		488.2	ug/L	4.551	0.9322	8,791
Al3961_R		12,640	ug/L	2.402	0.01900	6,391
As1891_A		498.9	ug/L	5.320	1.066	140.8
Au2427_A		497.4	ug/L	5.349	1.075	1,420
B_2089_A		504.1	ug/L	5.509	1.093	431.3
Ba4554_R		512.0	ug/L	0.01537	0.003001	16,160
Be3130_R		510.6	ug/L	0.9165	0.1795	33,960
Ca3158_R		12,770	ug/L	23.01	0.1802	10,480
Cd2265_A		507.5	ug/L	6.106	1.203	5,572
Co2286_A		512.7	ug/L	6.090	1.188	1,576
Cr2677_A		498.9	ug/L	5.975	1.198	6,426
Cu3273_A		497.7	ug/L	5.273	1.059	6,157
Fe2599_R		12,790	ug/L	91.95	0.7191	15,670
K_7664_R		12,570	ug/L	19.01	0.1513	5,563
Li6707_R		509.5	ug/L	6.136	1.204	3,817
Mg2025_A		12,660	ug/L	184.9	1.461	2,062
Mn2576_R		511.4	ug/L	2.626	0.5135	3,041
Mo2020_A		516.9	ug/L	6.604	1.278	872.8
Na5895_R		12,680	ug/L	71.89	0.5669	15,250
Ni2316_A		511.6	ug/L	4.855	0.9490	925.4
Pb2203_A		513.7	ug/L	7.190	1.400	426.6
Sb2068_A		501.0	ug/L	6.946	1.386	158.9
Se1960_A		500.5	ug/L	3.668	0.7327	81.96
Si2516_R	W	13,530	ug/L	30.77	0.2275	3,878
Sn1899_A		509.5	ug/L	4.856	0.9531	207.2
Sr4215_R		508.2	ug/L	0.4991	0.09821	20,640
Ti3349_A		492.3	ug/L	4.257	0.8648	12,190
Tl1908_A		513.5	ug/L	5.387	1.049	215.9
V_2924_A		494.9	ug/L	5.307	1.072	6,476
Zn2062_A		506.3	ug/L	6.241	1.233	1,456
Y_3600_R		12,979	Cts/S	178.05	1.3718	12,979
Y_2243_A		6,629.4	Cts/S	60.204	0.90814	6,629.4
Y_3600_A		192,050	Cts/S	1,788.5	0.93128	192,050

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:48:51PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.09641	ug/L	0.6396	663.4	-13.61
Al3961_R		2.509	ug/L	11.50	458.4	-2.482
As1891_A		1.233	ug/L	0.4515	36.63	-0.9237
Au2427_A		0.1297	ug/L	0.8204	632.6	0.3865

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:48:51PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		3.356	ug/L	0.004207	0.1254	6.787
Ba4554_R		-0.2520	ug/L	0.01189	4.719	4.801
Be3130_R		-0.03850	ug/L	0.06230	161.8	-10.12
Ca3158_R		5.095	ug/L	7.249	142.3	-3.919
Cd2265_A		-0.1355	ug/L	0.1026	75.72	-1.588
Co2286_A		-0.03757	ug/L	0.1038	276.2	5.084
Cr2677_A		-0.08896	ug/L	0.2461	276.7	5.881
Cu3273_A		0.6456	ug/L	0.1351	20.92	38.28
Fe2599_R		0.6508	ug/L	4.087	628.1	10.34
K_7664_R		-3.773	ug/L	20.67	547.8	5.284
Li6707_R		3.319	ug/L	0.6465	19.48	102.3
Mg2025_A		-0.1828	ug/L	0.7006	383.3	-1.573
Mn2576_R		0.2608	ug/L	0.8600	329.7	2.218
Mo2020_A		2.333	ug/L	0.7169	30.73	6.523
Na5895_R		21.73	ug/L	2.356	10.84	-91.01
Ni2316_A		0.3378	ug/L	0.4602	136.2	-0.4532
Pb2203_A		0.2879	ug/L	0.2859	99.29	0.9931
Sb2068_A		1.680	ug/L	0.4592	27.34	1.946
Se1960_A		2.004	ug/L	1.826	91.07	0.8324
Si2516_R		22.45	ug/L	10.94	48.74	14.87
Sn1899_A		-0.3126	ug/L	0.2485	79.51	0.2675
Sr4215_R		0.1211	ug/L	0.1746	144.1	-31.55
Ti3349_A		0.5657	ug/L	0.1685	29.78	-5.566
Tl1908_A		0.6908	ug/L	0.8165	118.2	0.5958
V_2924_A		0.2247	ug/L	0.003125	1.390	-0.7500
Zn2062_A		-0.2334	ug/L	0.07246	31.05	1.367
Y_3600_R		13,072	Cts/S	128.70	0.98456	13,072
Y_2243_A		6,689.4	Cts/S	18.413	0.27526	6,689.4
Y_3600_A		196,030	Cts/S	1,215.5	0.62003	196,030

SG4781-001

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:53:22PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1406	ug/L	0.06013	42.76	-14.58
Al3961_R		38.08	ug/L	0.6036	1.585	16.44
As1891_A		279.7	ug/L	2.369	0.8468	80.45
Au2427_A		1.452	ug/L	1.235	85.06	3.859
B_2089_A		46.61	ug/L	0.4609	0.9889	43.07
Ba4554_R		4.965	ug/L	0.09857	1.985	179.9
Be3130_R		0.01715	ug/L	0.01153	67.23	-6.733
Ca3158_R	W	34,960	ug/L	354.8	1.015	30,490
Cd2265_A		-0.08459	ug/L	0.04336	51.26	-0.9016
Co2286_A		0.1304	ug/L	0.1008	77.32	5.707
Cr2677_A		-0.02137	ug/L	0.2471	1,156	6.837
Cu3273_A		1.601	ug/L	0.4433	27.69	48.91
Fe2599_R		331.0	ug/L	6.173	1.865	440.8
K_7664_R		6,221	ug/L	149.6	2.404	2,931
Li6707_R		13.12	ug/L	1.662	12.66	184.3
Mg2025_A		11,330	ug/L	7.785	0.06873	1,876
Mn2576_R		153.1	ug/L	2.572	1.681	967.5
Mo2020_A		0.2135	ug/L	0.4577	214.4	2.973
Na5895_R	W	44,320	ug/L	518.1	1.169	56,960
Ni2316_A		0.5846	ug/L	0.2558	43.75	-0.03622
Pb2203_A		-0.9878	ug/L	0.3371	34.13	-0.07160
Sb2068_A		-0.8437	ug/L	0.1252	14.84	1.153

SG4781-001

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:53:22PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		2.745	ug/L	0.8278	30.16	0.9837
Si2516_R		7,199	ug/L	105.5	1.466	2,197
Sn1899_A		-0.1828	ug/L	0.4521	247.3	0.3262
Sr4215_R		252.6	ug/L	2.855	1.130	10,880
Ti3349_A		0.1970	ug/L	0.04174	21.19	-14.52
Tl1908_A		-0.5319	ug/L	1.507	283.3	-0.03368
V_2924_A		0.6970	ug/L	0.7403	106.2	0.8122
Zn2062_A		7.953	ug/L	0.1319	1.658	25.55
Y_3600_R		13,792	Cts/S	153.34	1.1118	13,792
Y_2243_A		6,805.3	Cts/S	15.239	0.22393	6,805.3
Y_3600_A		190,790	Cts/S	4,142.1	2.1710	190,790

LCSOGG03ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 2:57:51PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.37	ug/L	0.1537	0.3051	900.8
Al3961_R		2,042	ug/L	12.61	0.6176	1,050
As1891_A		99.55	ug/L	0.7082	0.7114	27.64
Au2427_A		1.416	ug/L	0.06527	4.609	2.834
B_2089_A		494.1	ug/L	3.909	0.7912	423.0
Ba4554_R		2,032	ug/L	31.63	1.557	65,060
Be3130_R		51.63	ug/L	0.8265	1.601	3,470
Ca3158_R		2,670	ug/L	29.25	1.096	2,217
Cd2265_A		253.4	ug/L	2.503	0.9875	2,824
Co2286_A		516.6	ug/L	3.464	0.6705	1,613
Cr2677_A		203.0	ug/L	0.4284	0.2111	2,646
Cu3273_A		257.4	ug/L	1.748	0.6791	3,223
Fe2599_R		1,046	ug/L	17.83	1.705	1,310
K_7664_R		9,918	ug/L	168.0	1.693	4,459
Li6707_R		498.0	ug/L	5.216	1.047	3,790
Mg2025_A		4,980	ug/L	28.71	0.5765	833.7
Mn2576_R		502.6	ug/L	10.03	1.996	3,034
Mo2020_A		301.7	ug/L	3.293	1.091	518.5
Na5895_R		7,450	ug/L	121.7	1.633	9,049
Ni2316_A		513.6	ug/L	3.422	0.6664	944.2
Pb2203_A		102.9	ug/L	0.1547	0.1504	87.25
Sb2068_A		101.0	ug/L	2.698	2.671	32.40
Se1960_A		102.2	ug/L	5.613	5.494	17.43
Si2516_R	W	4,075	ug/L	26.41	0.6483	1,193
Sn1899_A		540.0	ug/L	4.778	0.8850	223.0
Sr4215_R		505.2	ug/L	7.166	1.418	20,830
Ti3349_A		502.9	ug/L	1.758	0.3497	12,570
Tl1908_A		103.6	ug/L	0.2842	0.2743	44.23
V_2924_A		499.0	ug/L	1.896	0.3800	6,640
Zn2062_A		504.9	ug/L	4.229	0.8376	1,476
Y_3600_R		13,178	Cts/S	156.74	1.1894	13,178
Y_2243_A		6,733.7	Cts/S	35.098	0.52123	6,733.7
Y_3600_A		193,990	Cts/S	386.47	0.19923	193,990

LC2OGG03ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:02:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		56.46	ug/L	0.01531	0.02712	1,013

LC2OGG03ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:02:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R		1,994	ug/L	15.63	0.7837	1,035
As1891_A		98.35	ug/L	2.860	2.908	27.38
Au2427_A		2.091	ug/L	0.8284	39.62	4.781
B_2089_A		496.6	ug/L	0.5586	0.1125	426.5
Ba4554_R		2,036	ug/L	8.445	0.4147	65,840
Be3130_R		51.43	ug/L	0.2239	0.4354	3,491
Ca3158_R		2,689	ug/L	27.98	1.040	2,255
Cd2265_A		255.3	ug/L	0.6001	0.2351	2,854
Co2286_A		519.9	ug/L	1.564	0.3008	1,628
Cr2677_A		203.5	ug/L	1.066	0.5239	2,652
Cu3273_A		259.3	ug/L	0.1151	0.04440	3,247
Fe2599_R		1,047	ug/L	6.949	0.6634	1,325
K_7664_R		9,978	ug/L	47.96	0.4806	4,530
Li6707_R		498.1	ug/L	0.1200	0.02409	3,828
Mg2025_A		5,014	ug/L	34.54	0.6888	842.2
Mn2576_R		506.1	ug/L	1.017	0.2009	3,085
Mo2020_A		302.5	ug/L	0.5749	0.1901	521.5
Na5895_R		7,521	ug/L	18.73	0.2490	9,227
Ni2316_A		515.3	ug/L	0.4266	0.08278	950.6
Pb2203_A		103.8	ug/L	1.251	1.205	88.33
Sb2068_A		102.5	ug/L	0.5857	0.5712	32.99
Se1960_A		98.31	ug/L	0.1149	0.1168	16.85
Si2516_R	F	3,488	ug/L	6.441	0.1847	1,032
Sn1899_A		543.4	ug/L	2.620	0.4821	225.2
Sr4215_R		503.6	ug/L	2.832	0.5623	20,980
Ti3349_A		508.1	ug/L	0.5780	0.1138	12,710
Tl1908_A		104.6	ug/L	0.1525	0.1458	44.80
V_2924_A		502.8	ug/L	0.6970	0.1386	6,690
Zn2062_A		507.2	ug/L	1.672	0.3297	1,488
Y_3600_R		13,307	Cts/S	29.609	0.22250	13,307
Y_2243_A		6,756.0	Cts/S	19.411	0.28731	6,756.0
Y_3600_A		193,980	Cts/S	152.18	0.078451	193,980

PBSGG03ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:06:38PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1430	ug/L	0.4882	341.4	-18.72
Al3961_R		4.644	ug/L	10.45	225.0	-1.488
As1891_A		1.684	ug/L	0.04584	2.722	-0.8160
Au2427_A		0.6211	ug/L	0.8660	139.4	1.850
B_2089_A		1.444	ug/L	0.7802	54.02	5.302
Ba4554_R		0.1350	ug/L	0.008980	6.651	17.59
Be3130_R		0.03855	ug/L	0.01991	51.64	-5.147
Ca3158_R		78.53	ug/L	5.773	7.351	58.46
Cd2265_A		-0.02504	ug/L	0.03041	121.4	-0.3660
Co2286_A		-0.06619	ug/L	0.1962	296.4	5.132
Cr2677_A		0.06668	ug/L	0.1956	293.3	8.134
Cu3273_A		0.5867	ug/L	0.3104	52.90	38.55
Fe2599_R		18.86	ug/L	0.1292	0.6853	33.78
K_7664_R		-57.98	ug/L	9.733	16.79	-19.32
Li6707_R		0.3439	ug/L	0.9834	286.0	82.71
Mg2025_A		27.49	ug/L	1.266	4.606	3.007
Mn2576_R		-0.1135	ug/L	0.3291	289.8	-0.06558
Mo2020_A		0.8248	ug/L	0.5144	62.37	4.065
Na5895_R		37.63	ug/L	13.81	36.71	-73.53

PBSGG03ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:06:38PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		0.7901	ug/L	0.05280	6.682	0.3794
Pb2203_A		-0.08017	ug/L	0.007346	9.164	0.7043
Sb2068_A		-1.491	ug/L	1.794	120.3	0.8992
Se1960_A		0.3105	ug/L	0.1588	51.15	0.5698
Si2516_R		13.94	ug/L	6.534	46.86	12.78
Sn1899_A		20.26	ug/L	1.270	6.269	8.923
Sr4215_R		0.4154	ug/L	0.2252	54.20	-20.01
Ti3349_A		0.7521	ug/L	0.04111	5.465	-0.8750
Tl1908_A		-0.1308	ug/L	0.9585	732.8	0.2540
V_2924_A		0.2076	ug/L	0.03109	14.97	-0.8255
Zn2062_A		0.7783	ug/L	0.05354	6.879	4.415
Y_3600_R		13,454	Cts/S	222.99	1.6574	13,454
Y_2243_A		6,866.4	Cts/S	17.538	0.25541	6,866.4
Y_3600_A		201,390	Cts/S	479.48	0.23809	201,390

SG4654-001

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:11:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		5.464	ug/L	0.08266	1.513	-481.2
Al3961_R	W	42,050	ug/L	95.58	0.2273	22,870
As1891_A		25.71	ug/L	0.6990	2.718	4.771
Au2427_A		6.412	ug/L	1.826	28.48	69.36
B_2089_A		75.41	ug/L	0.5533	0.7337	68.40
Ba4554_R		747.5	ug/L	1.439	0.1925	25,410
Be3130_R		2.986	ug/L	0.06267	2.099	30.48
Ca3158_R	W	61,120	ug/L	66.31	0.1085	54,070
Cd2265_A		13.67	ug/L	0.05811	0.4250	194.3
Co2286_A		27.99	ug/L	0.04952	0.1769	122.9
Cr2677_A		487.2	ug/L	1.705	0.3499	6,345
Cu3273_A	W	2,241	ug/L	1.887	0.08418	27,860
Fe2599_R	W	83,720	ug/L	14.09	0.01683	110,500
K_7664_R		9,288	ug/L	36.58	0.3938	4,433
Li6707_R		106.2	ug/L	2.458	2.314	923.6
Mg2025_A	W	27,990	ug/L	16.07	0.05744	4,667
Mn2576_R	W	1,082	ug/L	2.541	0.2348	6,940
Mo2020_A		25.18	ug/L	0.03731	0.1482	46.44
Na5895_R	W	26,360	ug/L	39.57	0.1501	34,300
Ni2316_A		209.6	ug/L	0.7983	0.3808	383.4
Pb2203_A	W	3,261	ug/L	9.229	0.2830	2,801
Sb2068_A		6.198	ug/L	0.1219	1.966	4.948
Se1960_A		0.1849	ug/L	1.095	592.1	1.112
Si2516_R		1,884	ug/L	4.880	0.2590	588.1
Sn1899_A		181.8	ug/L	0.4437	0.2440	76.61
Sr4215_R		548.3	ug/L	0.7103	0.1296	24,010
Ti3349_A	W	3,656	ug/L	1.659	0.04537	91,560
Tl1908_A		-0.1598	ug/L	1.415	885.6	-2.479
V_2924_A		151.0	ug/L	0.4641	0.3074	1,997
Zn2062_A	W	2,954	ug/L	1.911	0.06469	8,772
Y_3600_R		13,987	Cts/S	24.819	0.17744	13,987
Y_2243_A		6,846.2	Cts/S	2.3275	0.033997	6,846.2
Y_3600_A		194,070	Cts/S	495.76	0.25545	194,070

SG4654-001L

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT

SG4654-001L

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:15:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		7.191	ug/L	0.4834	6.722	-107.9
Al3961_R		43,780	ug/L	411.3	0.9394	4,521
As1891_A		35.18	ug/L	1.079	3.068	0.4436
Au2427_A		2.138	ug/L	7.756	362.8	11.81
B_2089_A		78.40	ug/L	1.421	1.813	17.25
Ba4554_R		780.2	ug/L	8.297	1.063	5,050
Be3130_R		2.928	ug/L	0.5513	18.83	-1.400
Ca3158_R		64,190	ug/L	222.4	0.3464	10,780
Cd2265_A		13.75	ug/L	0.01349	0.09813	38.99
Co2286_A		28.65	ug/L	0.4326	1.510	29.06
Cr2677_A		504.1	ug/L	0.1870	0.03709	1,317
Cu3273_A		2,310	ug/L	0.6697	0.02899	5,759
Fe2599_R		88,310	ug/L	85.98	0.09736	22,150
K_7664_R		9,273	ug/L	112.9	1.217	846.7
Li6707_R		116.5	ug/L	11.38	9.767	254.1
Mg2025_A		29,350	ug/L	239.3	0.8153	968.6
Mn2576_R		1,136	ug/L	7.404	0.6517	1,385
Mo2020_A		25.15	ug/L	0.7559	3.006	11.27
Na5895_R		27,700	ug/L	126.3	0.4559	6,756
Ni2316_A		217.2	ug/L	2.830	1.303	77.79
Pb2203_A		3,450	ug/L	9.992	0.2896	587.8
Sb2068_A		4.703	ug/L	1.245	26.47	2.043
Se1960_A		-3.993	ug/L	1.409	35.27	0.4961
Si2516_R		1,952	ug/L	70.62	3.617	122.5
Sn1899_A		186.1	ug/L	1.430	0.7684	15.85
Sr4215_R		572.9	ug/L	2.115	0.3691	4,736
Ti3349_A		3,693	ug/L	20.75	0.5620	18,460
Tl1908_A		7.376	ug/L	2.807	38.06	0.3911
V_2924_A		154.5	ug/L	4.293	2.779	405.1
Zn2062_A		3,077	ug/L	15.29	0.4971	1,812
Y_3600_R		13,288	Cts/S	207.41	1.5609	13,288
Y_2243_A		6,781.6	Cts/S	32.635	0.48122	6,781.6
Y_3600_A		193,830	Cts/S	217.78	0.11236	193,830

SG4654-001A

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:20:03PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		492.2	ug/L	1.142	0.2320	8,375
Al3961_R	W	51,240	ug/L	687.5	1.342	27,450
As1891_A		512.6	ug/L	0.4205	0.08203	146.9
Au2427_A		9.056	ug/L	1.048	11.58	77.01
B_2089_A		562.1	ug/L	0.8790	0.1564	490.0
Ba4554_R	W	1,212	ug/L	11.16	0.9213	40,550
Be3130_R		488.9	ug/L	4.880	0.9982	34,330
Ca3158_R	W	65,350	ug/L	697.8	1.068	56,920
Cd2265_A		486.6	ug/L	0.2444	0.05022	5,508
Co2286_A		508.3	ug/L	0.2882	0.05670	1,628
Cr2677_A		955.9	ug/L	1.206	0.1262	12,330
Cu3273_A	W	2,683	ug/L	0.1126	0.004195	33,060
Fe2599_R	W	87,240	ug/L	921.1	1.056	113,300
K_7664_R		18,650	ug/L	181.9	0.9754	8,753
Li6707_R		577.5	ug/L	6.674	1.156	4,580
Mg2025_A	W	32,600	ug/L	7.793	0.02390	5,411
Mn2576_R	W	1,537	ug/L	11.68	0.7597	9,700
Mo2020_A		507.2	ug/L	1.879	0.3705	877.2

SG4654-001A

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:20:03PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	31,080	ug/L	253.8	0.8165	39,840
Ni2316_A		680.2	ug/L	0.2292	0.03369	1,254
Pb2203_A	W	3,680	ug/L	5.410	0.1470	3,134
Sb2068_A		475.8	ug/L	5.040	1.059	157.6
Se1960_A		491.0	ug/L	7.403	1.508	82.85
Si2516_R		2,091	ug/L	25.48	1.219	643.4
Sn1899_A		177.4	ug/L	0.02731	0.01539	74.15
Sr4215_R	W	1,008	ug/L	8.958	0.8885	43,490
Ti3349_A	W	4,058	ug/L	16.61	0.4093	100,700
Tl1908_A		481.8	ug/L	0.7144	0.1483	204.8
V_2924_A		630.4	ug/L	0.9145	0.1451	8,269
Zn2062_A	W	3,373	ug/L	2.687	0.07967	9,932
Y_3600_R		13,771	Cts/S	279.68	2.0309	13,771
Y_2243_A		6,789.4	Cts/S	1.9682	0.028990	6,789.4
Y_3600_A		192,340	Cts/S	679.52	0.35329	192,340

SG4654-001P

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:24:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.05	ug/L	0.6945	1.285	396.6
Al3961_R	W	54,420	ug/L	52.46	0.09639	28,780
As1891_A		123.7	ug/L	1.626	1.314	33.45
Au2427_A		9.026	ug/L	1.693	18.76	74.62
B_2089_A		553.9	ug/L	3.964	0.7156	476.5
Ba4554_R	W	2,604	ug/L	19.33	0.7423	86,010
Be3130_R		51.29	ug/L	0.08294	0.1617	3,345
Ca3158_R	W	92,630	ug/L	257.8	0.2783	79,670
Cd2265_A		253.1	ug/L	0.7931	0.3133	2,884
Co2286_A		497.1	ug/L	1.748	0.3517	1,601
Cr2677_A		571.9	ug/L	3.565	0.6234	7,330
Cu3273_A	W	1,133	ug/L	2.602	0.2298	13,770
Fe2599_R	W	83,710	ug/L	261.6	0.3125	107,400
K_7664_R		19,050	ug/L	14.40	0.07559	8,830
Li6707_R		572.3	ug/L	4.518	0.7894	4,482
Mg2025_A	W	33,280	ug/L	153.4	0.4611	5,521
Mn2576_R	W	1,545	ug/L	12.75	0.8252	9,626
Mo2020_A		300.4	ug/L	2.273	0.7565	520.6
Na5895_R	W	32,860	ug/L	161.2	0.4906	41,600
Ni2316_A		666.1	ug/L	2.097	0.3149	1,227
Pb2203_A	W	3,063	ug/L	10.26	0.3349	2,608
Sb2068_A		64.77	ug/L	1.376	2.124	22.47
Se1960_A		95.93	ug/L	4.861	5.067	17.09
Si2516_R		4,070	ug/L	39.16	0.9623	1,228
Sn1899_A		607.3	ug/L	4.021	0.6621	252.8
Sr4215_R	W	1,370	ug/L	5.761	0.4206	58,350
Ti3349_A	W	5,029	ug/L	12.98	0.2582	124,000
Tl1908_A		93.30	ug/L	0.2341	0.2509	37.15
V_2924_A		667.5	ug/L	1.461	0.2189	8,758
Zn2062_A	W	2,870	ug/L	12.34	0.4300	8,451
Y_3600_R		13,597	Cts/S	244.14	1.7956	13,597
Y_2243_A		6,789.5	Cts/S	17.010	0.25053	6,789.5
Y_3600_A		191,030	Cts/S	1,366.6	0.71537	191,030

SG4654-001S

Method Name: K6010-2011 Method Revision: 824

SG4654-001S

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:28:49PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		63.61	ug/L	0.09082	0.1428	580.6
Al3961_R	W	51,650	ug/L	303.6	0.5877	27,220
As1891_A		130.3	ug/L	0.9447	0.7249	35.05
Au2427_A		9.574	ug/L	0.3800	3.969	74.63
B_2089_A		551.0	ug/L	3.817	0.6928	469.5
Ba4554_R	W	3,080	ug/L	18.40	0.5975	101,400
Be3130_R		51.52	ug/L	0.1209	0.2347	3,351
Ca3158_R	W	49,170	ug/L	322.6	0.6560	42,140
Cd2265_A		253.1	ug/L	1.900	0.7508	2,854
Co2286_A		514.4	ug/L	2.901	0.5640	1,637
Cr2677_A		560.4	ug/L	1.382	0.2465	7,220
Cu3273_A	W	1,105	ug/L	2.692	0.2435	13,500
Fe2599_R	W	82,530	ug/L	416.2	0.5043	105,500
K_7664_R		19,020	ug/L	81.25	0.4271	8,786
Li6707_R		580.0	ug/L	5.246	0.9045	4,525
Mg2025_A	W	33,540	ug/L	282.4	0.8422	5,509
Mn2576_R	W	1,559	ug/L	8.996	0.5769	9,683
Mo2020_A		306.0	ug/L	2.663	0.8704	524.8
Na5895_R	W	31,600	ug/L	161.9	0.5122	39,860
Ni2316_A		671.0	ug/L	4.925	0.7340	1,224
Pb2203_A	W	2,536	ug/L	21.07	0.8310	2,138
Sb2068_A		64.75	ug/L	1.124	1.736	22.11
Se1960_A		98.21	ug/L	0.9291	0.9461	17.29
Si2516_R		3,642	ug/L	23.56	0.6468	1,096
Sn1899_A		629.8	ug/L	5.439	0.8637	259.5
Sr4215_R	W	1,103	ug/L	7.276	0.6595	46,820
Ti3349_A	W	4,969	ug/L	22.34	0.4497	123,100
Tl1908_A		95.84	ug/L	1.072	1.119	37.90
V_2924_A		644.0	ug/L	3.478	0.5401	8,491
Zn2062_A	W	2,886	ug/L	19.22	0.6661	8,413
Y_3600_R		13,549	Cts/S	29.833	0.22019	13,549
Y_2243_A		6,721.9	Cts/S	33.338	0.49597	6,721.9
Y_3600_A		192,010	Cts/S	764.81	0.39832	192,010

SG4654-002

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:33:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		64.83	ug/L	0.08008	0.1235	-908.7
Al3961_R	W	232,400	ug/L	1,617	0.6958	64,020
As1891_A		196.5	ug/L	3.193	1.625	24.00
Au2427_A		27.12	ug/L	5.546	20.45	180.2
B_2089_A		567.9	ug/L	1.634	0.2876	249.6
Ba4554_R	W	2,552	ug/L	10.36	0.4058	43,920
Be3130_R		13.10	ug/L	0.1372	1.047	175.2
Ca3158_R	W	58,360	ug/L	347.0	0.5946	26,140
Cd2265_A		258.2	ug/L	1.563	0.6053	1,584
Co2286_A		111.1	ug/L	0.3777	0.3400	234.3
Cr2677_A	W	5,211	ug/L	11.92	0.2288	34,340
Cu3273_A	W	12,950	ug/L	15.27	0.1179	81,640
Fe2599_R	W	444,700	ug/L	3,582	0.8056	297,200
K_7664_R	W	51,050	ug/L	271.7	0.5323	12,320
Li6707_R		514.7	ug/L	2.499	0.4855	2,146
Mg2025_A	W	106,500	ug/L	622.3	0.5842	9,000
Mn2576_R	W	3,788	ug/L	21.58	0.5695	12,310
Mo2020_A		188.0	ug/L	1.006	0.5351	168.6

SG4654-002

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:33:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	73,770	ug/L	112.3	0.1522	48,670
Ni2316_A		1,386	ug/L	6.331	0.4567	1,292
Pb2203_A	W	10,970	ug/L	74.72	0.6809	4,771
Sb2068_A		30.48	ug/L	0.9500	3.116	15.15
Se1960_A		11.14	ug/L	2.956	26.54	2.862
Si2516_R		5,159	ug/L	15.35	0.2975	809.1
Sn1899_A		1,174	ug/L	10.74	0.9150	249.6
Sr4215_R		878.4	ug/L	4.497	0.5119	19,470
Ti3349_A	W	12,270	ug/L	26.56	0.2165	155,700
Tl1908_A		9.923	ug/L	0.9987	10.06	-2.402
V_2924_A		926.3	ug/L	2.611	0.2819	6,137
Zn2062_A	W	23,330	ug/L	134.4	0.5758	35,090
Y_3600_R		14,167	Cts/S	60.105	0.42426	14,167
Y_2243_A		6,936.1	Cts/S	24.362	0.35124	6,936.1
Y_3600_A		196,640	Cts/S	237.50	0.12078	196,640

CCV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:37:37PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		496.3	ug/L	2.400	0.4836	8,789
Al3961_R		12,570	ug/L	20.25	0.1611	6,379
As1891_A		498.4	ug/L	4.000	0.8026	139.6
Au2427_A		504.3	ug/L	2.221	0.4404	1,428
B_2089_A		502.8	ug/L	5.263	1.047	426.8
Ba4554_R		504.7	ug/L	2.066	0.4093	15,990
Be3130_R		506.9	ug/L	0.4950	0.09766	33,860
Ca3158_R		12,510	ug/L	4.310	0.03445	10,310
Cd2265_A		511.2	ug/L	5.545	1.085	5,568
Co2286_A		514.2	ug/L	5.788	1.126	1,568
Cr2677_A		507.7	ug/L	0.3289	0.06477	6,431
Cu3273_A		508.6	ug/L	0.2142	0.04211	6,187
Fe2599_R		12,700	ug/L	3.771	0.02970	15,630
K_7664_R		12,420	ug/L	73.73	0.5938	5,521
Li6707_R		498.8	ug/L	1.978	0.3967	3,755
Mg2025_A		12,610	ug/L	161.6	1.282	2,037
Mn2576_R		506.4	ug/L	0.09768	0.01929	3,025
Mo2020_A		515.8	ug/L	5.675	1.100	863.9
Na5895_R		12,460	ug/L	30.85	0.2475	15,050
Ni2316_A		510.3	ug/L	6.652	1.304	915.7
Pb2203_A		516.3	ug/L	4.941	0.9571	425.4
Sb2068_A		502.9	ug/L	4.944	0.9832	158.3
Se1960_A		500.7	ug/L	6.887	1.375	81.33
Si2516_R		12,730	ug/L	93.08	0.7313	3,666
Sn1899_A		513.2	ug/L	6.328	1.233	207.0
Sr4215_R		501.4	ug/L	0.8011	0.1598	20,450
Ti3349_A		505.3	ug/L	3.996	0.7909	12,300
Tl1908_A		511.2	ug/L	3.893	0.7615	213.2
V_2924_A		505.0	ug/L	2.793	0.5530	6,499
Zn2062_A		506.3	ug/L	5.945	1.174	1,444
Y_3600_R		13,036	Cts/S	39.865	0.30582	13,036
Y_2243_A		6,576.5	Cts/S	77.584	1.1797	6,576.5
Y_3600_A		188,840	Cts/S	427.31	0.22629	188,840

CCB

Method Name: K6010-2011 Method Revision: 824

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:41:58PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.09472	ug/L	0.1630	172.1	-16.99
Al3961_R		-7.124	ug/L	6.254	87.79	-7.216
As1891_A		1.260	ug/L	0.1561	12.39	-0.9209
Au2427_A		-0.4033	ug/L	0.1350	33.46	-1.149
B_2089_A		0.2346	ug/L	0.7327	312.3	4.182
Ba4554_R		-0.1441	ug/L	0.4280	297.0	7.957
Be3130_R		0.03009	ug/L	0.02089	69.42	-5.438
Ca3158_R		3.466	ug/L	10.11	291.6	-5.193
Cd2265_A		-0.1542	ug/L	0.05837	37.86	-1.802
Co2286_A		-0.02700	ug/L	0.02653	98.24	5.143
Cr2677_A		0.03086	ug/L	0.07253	235.0	7.347
Cu3273_A		0.6576	ug/L	0.1645	25.02	37.92
Fe2599_R		2.233	ug/L	0.001051	0.04706	12.07
K_7664_R		-44.77	ug/L	23.51	52.51	-12.59
Li6707_R		2.657	ug/L	4.458	167.8	95.17
Mg2025_A		2.737	ug/L	0.5438	19.87	-1.110
Mn2576_R		0.06817	ug/L	0.2912	427.2	1.031
Mo2020_A		0.5869	ug/L	0.08604	14.66	3.575
Na5895_R		-8.732	ug/L	8.483	97.15	-125.7
Ni2316_A		0.1454	ug/L	0.4144	285.0	-0.8112
Pb2203_A		-1.551	ug/L	0.8881	57.24	-0.5517
Sb2068_A		-0.4487	ug/L	1.588	353.9	1.274
Se1960_A		1.190	ug/L	5.387	452.7	0.7023
Si2516_R		6.483	ug/L	5.877	90.65	10.06
Sn1899_A		0.7563	ug/L	0.08004	10.58	0.7085
Sr4215_R		0.2248	ug/L	0.1826	81.25	-26.84
Ti3349_A		0.7050	ug/L	0.06921	9.817	-2.024
Tl1908_A		0.1311	ug/L	0.3959	302.1	0.3599
V_2924_A		-0.03370	ug/L	0.2588	768.0	-4.003
Zn2062_A		-0.08216	ug/L	0.07580	92.26	1.813
Y_3600_R		12,806	Cts/S	197.46	1.5419	12,806
Y_2243_A		6,721.8	Cts/S	5.6843	0.084566	6,721.8
Y_3600_A		193,490	Cts/S	176.52	0.091227	193,490

LCSOGG09ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:46:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.25	ug/L	0.04489	0.08760	916.2
Al3961_R		1,997	ug/L	17.63	0.8828	1,023
As1891_A		101.2	ug/L	0.8940	0.8833	28.02
Au2427_A		1.498	ug/L	0.6994	46.67	3.046
B_2089_A		504.3	ug/L	0.1950	0.03867	430.1
Ba4554_R		2,019	ug/L	8.101	0.4013	64,410
Be3130_R		51.20	ug/L	0.7270	1.420	3,429
Ca3158_R		2,703	ug/L	21.85	0.8083	2,237
Cd2265_A		258.7	ug/L	0.2487	0.09612	2,873
Co2286_A		517.1	ug/L	0.6626	0.1281	1,609
Cr2677_A		202.0	ug/L	0.5214	0.2581	2,631
Cu3273_A		257.4	ug/L	0.08095	0.03144	3,221
Fe2599_R		1,029	ug/L	4.902	0.4763	1,285
K_7664_R		9,970	ug/L	1.315	0.01319	4,467
Li6707_R		500.0	ug/L	0.2451	0.04902	3,792
Mg2025_A		5,044	ug/L	7.334	0.1454	841.2
Mn2576_R		503.2	ug/L	1.644	0.3266	3,027
Mo2020_A		304.2	ug/L	0.2039	0.06702	521.0

LCSOGG09ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:46:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,562	ug/L	42.05	0.5560	9,155
Ni2316_A		512.8	ug/L	0.3182	0.06205	939.5
Pb2203_A		105.3	ug/L	0.4574	0.4343	89.01
Sb2068_A		102.4	ug/L	0.2358	0.2302	32.71
Se1960_A		99.34	ug/L	3.546	3.570	16.91
Si2516_R	F	2,846	ug/L	34.44	1.210	833.0
Sn1899_A		549.5	ug/L	4.151	0.7555	226.1
Sr4215_R		504.7	ug/L	3.238	0.6414	20,740
Ti3349_A		505.2	ug/L	1.884	0.3730	12,620
Tl1908_A		105.5	ug/L	0.7852	0.7441	44.89
V_2924_A		497.5	ug/L	1.817	0.3652	6,612
Zn2062_A		506.8	ug/L	0.6558	0.1294	1,476
Y_3600_R		13,132	Cts/S	109.11	0.83088	13,132
Y_2243_A		6,710.1	Cts/S	3.0255	0.045089	6,710.1
Y_3600_A		193,800	Cts/S	1,057.1	0.54546	193,800

LC2OGG09ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:50:56PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.75	ug/L	0.3414	0.6862	892.2
Al3961_R		1,890	ug/L	59.02	3.122	981.6
As1891_A		97.39	ug/L	0.3184	0.3270	27.03
Au2427_A		1.171	ug/L	0.2077	17.74	2.173
B_2089_A		495.5	ug/L	1.720	0.3471	424.4
Ba4554_R		1,928	ug/L	46.36	2.405	62,340
Be3130_R		48.46	ug/L	1.396	2.881	3,289
Ca3158_R		2,661	ug/L	79.56	2.990	2,232
Cd2265_A		253.7	ug/L	0.5744	0.2264	2,829
Co2286_A		493.9	ug/L	0.7955	0.1611	1,543
Cr2677_A		192.4	ug/L	0.08897	0.04623	2,515
Cu3273_A		245.8	ug/L	0.06235	0.02536	3,087
Fe2599_R		973.6	ug/L	32.51	3.339	1,232
K_7664_R		9,766	ug/L	203.0	2.079	4,436
Li6707_R		492.7	ug/L	10.78	2.188	3,789
Mg2025_A		4,961	ug/L	15.13	0.3050	830.2
Mn2576_R		478.9	ug/L	12.50	2.611	2,920
Mo2020_A		299.9	ug/L	1.922	0.6409	515.7
Na5895_R		7,428	ug/L	160.6	2.162	9,114
Ni2316_A		489.2	ug/L	1.696	0.3467	899.7
Pb2203_A		102.3	ug/L	0.3180	0.3110	86.78
Sb2068_A		99.54	ug/L	0.3532	0.3548	31.91
Se1960_A		100.7	ug/L	1.043	1.035	17.20
Si2516_R	F	2,786	ug/L	20.31	0.7289	827.0
Sn1899_A		542.1	ug/L	2.424	0.4471	224.0
Sr4215_R		495.2	ug/L	12.23	2.470	20,630
Ti3349_A		494.8	ug/L	0.4907	0.09917	12,400
Tl1908_A		104.2	ug/L	0.7402	0.7101	44.54
V_2924_A		472.9	ug/L	1.510	0.3193	6,306
Zn2062_A		484.2	ug/L	2.555	0.5278	1,416
Y_3600_R		13,313	Cts/S	157.38	1.1822	13,313
Y_2243_A		6,737.0	Cts/S	24.361	0.36160	6,737.0
Y_3600_A		194,460	Cts/S	284.99	0.14656	194,460

PBSGG09ICS1

Method Name: K6010-2011 Method Revision: 824

PBSGG09ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:55:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4303	ug/L	0.1972	45.82	-23.84
Al3961_R		-18.74	ug/L	15.14	80.78	-13.41
As1891_A		1.904	ug/L	1.027	53.95	-0.7537
Au2427_A		-0.4214	ug/L	1.133	268.9	-1.210
B_2089_A		1.095	ug/L	0.3775	34.47	5.005
Ba4554_R		0.6229	ug/L	0.1637	26.28	32.89
Be3130_R		0.03377	ug/L	0.01173	34.73	-5.361
Ca3158_R		75.80	ug/L	9.373	12.37	55.09
Cd2265_A		-0.1352	ug/L	0.02146	15.87	-1.622
Co2286_A		0.06811	ug/L	0.1058	155.3	5.568
Cr2677_A		0.2381	ug/L	0.1068	44.85	10.30
Cu3273_A		0.6514	ug/L	0.03600	5.526	38.84
Fe2599_R		14.20	ug/L	1.341	9.441	27.33
K_7664_R		-43.94	ug/L	43.45	98.88	-12.65
Li6707_R		1.280	ug/L	1.211	94.62	88.03
Mg2025_A		29.20	ug/L	2.003	6.861	3.302
Mn2576_R		0.3545	ug/L	0.2697	76.07	2.781
Mo2020_A		0.4075	ug/L	0.3220	79.02	3.343
Na5895_R		38.16	ug/L	12.30	32.24	-71.59
Ni2316_A		0.7764	ug/L	0.1994	25.68	0.3526
Pb2203_A		0.6009	ug/L	0.9963	165.8	1.300
Sb2068_A		-0.1520	ug/L	0.4883	321.3	1.339
Se1960_A		-1.349	ug/L	0.2910	21.57	0.2912
Si2516_R		24.84	ug/L	14.32	57.67	15.72
Sn1899_A		20.46	ug/L	0.6668	3.259	9.025
Sr4215_R		0.6186	ug/L	0.3001	48.52	-11.28
Ti3349_A		0.7775	ug/L	0.5216	67.09	-0.2491
Tl1908_A		0.5237	ug/L	1.176	224.6	0.5374
V_2924_A		0.2115	ug/L	0.5112	241.7	-0.7554
Zn2062_A		1.154	ug/L	0.03701	3.206	5.545
Y_3600_R		13,193	Cts/S	27.822	0.21089	13,193
Y_2243_A		6,879.9	Cts/S	51.103	0.74279	6,879.9
Y_3600_A		198,600	Cts/S	910.12	0.45827	198,600

SG4747-001

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:59:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		6.936	ug/L	0.9755	14.06	-380.4
Al3961_R	W	40,470	ug/L	28.26	0.06984	21,200
As1891_A		26.57	ug/L	0.6556	2.468	5.217
Au2427_A		4.317	ug/L	1.837	42.55	56.49
B_2089_A		69.43	ug/L	0.7962	1.147	63.28
Ba4554_R	W	1,094	ug/L	1.999	0.1827	35,810
Be3130_R		2.850	ug/L	0.1144	4.016	32.89
Ca3158_R	W	52,040	ug/L	109.1	0.2097	44,340
Cd2265_A		14.30	ug/L	0.07469	0.5221	196.3
Co2286_A		26.85	ug/L	0.8523	3.175	117.0
Cr2677_A		405.1	ug/L	13.20	3.258	5,276
Cu3273_A		988.1	ug/L	29.01	2.935	12,240
Fe2599_R	W	72,610	ug/L	108.5	0.1495	92,300
K_7664_R		9,617	ug/L	76.19	0.7922	4,420
Li6707_R		101.2	ug/L	0.6115	0.6041	851.4
Mg2025_A		23,290	ug/L	193.2	0.8295	3,883
Mn2576_R		936.4	ug/L	0.09101	0.009719	5,783
Mo2020_A		23.29	ug/L	0.3289	1.412	43.13

SG4747-001

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 3:59:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	28,200	ug/L	51.48	0.1825	35,360
Ni2316_A		191.9	ug/L	1.291	0.6728	351.2
Pb2203_A	W	4,436	ug/L	36.80	0.8295	3,810
Sb2068_A		4.593	ug/L	0.6782	14.77	3.496
Se1960_A		0.6938	ug/L	3.628	523.0	1.121
Si2516_R		2,497	ug/L	9.950	0.3985	748.5
Sn1899_A		369.5	ug/L	2.897	0.7842	155.2
Sr4215_R		439.3	ug/L	0.4009	0.09125	18,520
Ti3349_A	W	3,386	ug/L	87.14	2.573	84,790
Tl1908_A		2.359	ug/L	0.2707	11.47	-1.054
V_2924_A		156.1	ug/L	3.397	2.176	2,073
Zn2062_A	W	2,815	ug/L	24.09	0.8559	8,356
Y_3600_R		13,471	Cts/S	31.128	0.23107	13,471
Y_2243_A		6,844.2	Cts/S	40.934	0.59809	6,844.2
Y_3600_A		194,100	Cts/S	4,254.8	2.1920	194,100

SG4747-002

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:04:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		37.00	ug/L	2.232	6.032	-602.8
Al3961_R	W	150,300	ug/L	2,607	1.734	39,470
As1891_A		114.7	ug/L	2.614	2.278	13.04
Au2427_A		13.34	ug/L	2.660	19.94	105.4
B_2089_A		373.6	ug/L	0.1704	0.04560	162.3
Ba4554_R		1,335	ug/L	23.72	1.776	21,910
Be3130_R		8.379	ug/L	0.01460	0.1742	113.2
Ca3158_R		33,070	ug/L	633.6	1.916	14,110
Cd2265_A		131.5	ug/L	0.2681	0.2038	803.3
Co2286_A		68.86	ug/L	0.6470	0.9396	144.0
Cr2677_A	W	2,924	ug/L	11.10	0.3797	19,100
Cu3273_A	W	6,956	ug/L	33.21	0.4775	43,450
Fe2599_R	W	278,700	ug/L	5,406	1.940	177,500
K_7664_R		33,570	ug/L	516.1	1.538	7,727
Li6707_R		344.0	ug/L	8.160	2.372	1,394
Mg2025_A	W	66,840	ug/L	7.767	0.01162	5,540
Mn2576_R	W	2,409	ug/L	42.69	1.772	7,460
Mo2020_A		112.6	ug/L	0.9350	0.8306	100.1
Na5895_R	W	51,460	ug/L	799.1	1.553	32,320
Ni2316_A		760.8	ug/L	1.292	0.1698	693.6
Pb2203_A	W	5,242	ug/L	19.19	0.3660	2,235
Sb2068_A		12.62	ug/L	3.341	26.48	8.401
Se1960_A		4.806	ug/L	5.384	112.0	1.773
Si2516_R		4,026	ug/L	75.76	1.882	604.5
Sn1899_A		614.8	ug/L	2.496	0.4060	128.5
Sr4215_R		494.1	ug/L	9.281	1.878	10,420
Ti3349_A	W	7,441	ug/L	47.22	0.6345	93,570
Tl1908_A		7.521	ug/L	1.971	26.20	-0.9813
V_2924_A		565.4	ug/L	3.642	0.6442	3,718
Zn2062_A	W	11,760	ug/L	24.11	0.2050	17,360
Y_3600_R		13,503	Cts/S	156.35	1.1579	13,503
Y_2243_A		6,804.5	Cts/S	10.012	0.14714	6,804.5
Y_3600_A		194,880	Cts/S	740.07	0.37976	194,880

SG4747-002L

Method Name: K6010-2011 Method Revision: 824

SG4747-002L

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:08:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		31.57	ug/L	0.2245	0.7111	-139.2
Al3961_R		146,200	ug/L	165.2	0.1130	7,509
As1891_A		116.7	ug/L	6.581	5.641	1.622
Au2427_A		9.300	ug/L	0.1893	2.035	19.54
B_2089_A		357.9	ug/L	0.5822	0.1627	34.15
Ba4554_R		1,304	ug/L	4.951	0.3795	4,199
Be3130_R		8.438	ug/L	0.3442	4.079	17.23
Ca3158_R		32,450	ug/L	138.4	0.4265	2,703
Cd2265_A		129.3	ug/L	2.685	2.076	157.0
Co2286_A		70.59	ug/L	3.134	4.440	33.26
Cr2677_A		2,915	ug/L	1.073	0.03681	3,797
Cu3273_A		6,868	ug/L	16.02	0.2332	8,569
Fe2599_R	W	274,200	ug/L	687.4	0.2507	34,190
K_7664_R		31,540	ug/L	152.2	0.4825	1,426
Li6707_R		322.1	ug/L	10.94	3.396	319.2
Mg2025_A		67,030	ug/L	954.0	1.423	1,104
Mn2576_R		2,343	ug/L	2.476	0.1057	1,420
Mo2020_A		106.1	ug/L	0.8122	0.7653	20.87
Na5895_R		50,440	ug/L	75.03	0.1487	6,104
Ni2316_A		765.0	ug/L	12.12	1.585	137.9
Pb2203_A		5,308	ug/L	77.30	1.456	450.8
Sb2068_A		0.4397	ug/L	9.128	2,076	2.415
Se1960_A		9.996	ug/L	13.91	139.2	0.8437
Si2516_R		3,943	ug/L	75.58	1.917	122.6
Sn1899_A		623.0	ug/L	20.71	3.325	26.21
Sr4215_R		478.9	ug/L	2.985	0.6233	1,947
Ti3349_A		7,270	ug/L	26.04	0.3581	18,190
Tl1908_A		2.992	ug/L	2.880	96.27	-0.1313
V_2924_A		559.1	ug/L	4.419	0.7903	729.4
Zn2062_A	W	11,740	ug/L	193.9	1.652	3,447
Y_3600_R		13,211	Cts/S	63.181	0.47826	13,211
Y_2243_A		6,767.7	Cts/S	3.5187	0.051992	6,767.7
Y_3600_A		194,040	Cts/S	253.60	0.13069	194,040

SG4747-002A

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:13:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		593.0	ug/L	42.80	7.217	4,471
Al3961_R	W	153,100	ug/L	2,258	1.475	41,100
As1891_A		1,172	ug/L	321.9	27.47	166.1
Au2427_A		19.52	ug/L	0.7732	3.962	113.0
B_2089_A		1,432	ug/L	393.5	27.49	616.1
Ba4554_R		1,855	ug/L	16.58	0.8938	31,110
Be3130_R		612.8	ug/L	13.41	2.189	21,500
Ca3158_R		41,080	ug/L	116.6	0.2839	17,930
Cd2265_A		1,177	ug/L	299.3	25.43	6,623
Co2286_A		1,131	ug/L	279.8	24.74	1,795
Cr2677_A	W	3,640	ug/L	61.66	1.694	23,490
Cu3273_A	W	7,616	ug/L	98.18	1.289	47,020
Fe2599_R	W	280,600	ug/L	3,124	1.113	182,800
K_7664_R		42,360	ug/L	162.7	0.3842	9,968
Li6707_R		810.9	ug/L	4.760	0.5870	3,248
Mg2025_A	W	74,880	ug/L	1,298	1.733	6,172
Mn2576_R	W	2,920	ug/L	26.12	0.8945	9,242
Mo2020_A		1,169	ug/L	276.1	23.61	1,003

SG4747-002A

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:13:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	57,440	ug/L	98.26	0.1711	36,900
Ni2316_A		1,788	ug/L	273.6	15.30	1,634
Pb2203_A	W	6,175	ug/L	314.0	5.084	2,609
Sb2068_A		1,070	ug/L	315.7	29.51	178.2
Se1960_A		1,045	ug/L	362.5	34.68	87.67
Si2516_R		4,162	ug/L	56.46	1.357	640.6
Sn1899_A		605.5	ug/L	0.7309	0.1207	125.4
Sr4215_R		1,031	ug/L	14.24	1.382	22,270
Ti3349_A	W	8,151	ug/L	129.0	1.583	101,300
Tl1908_A		1,051	ug/L	398.3	37.91	221.9
V_2924_A		1,224	ug/L	47.69	3.896	7,977
Zn2062_A	W	12,550	ug/L	269.1	2.143	18,360
Y_3600_R		13,805	Cts/S	71.306	0.51652	13,805
Y_2243_A		6,744.9	Cts/S	55.488	0.82267	6,744.9
Y_3600_A		192,600	Cts/S	1,368.8	0.71068	192,600

SG4747-002P

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:17:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		87.76	ug/L	1.192	1.358	-138.7
Al3961_R	W	174,300	ug/L	1,881	1.079	46,700
As1891_A		209.0	ug/L	2.343	1.121	26.76
Au2427_A		16.52	ug/L	4.196	25.41	108.9
B_2089_A		847.0	ug/L	0.9908	0.1170	363.2
Ba4554_R	W	3,201	ug/L	6.038	0.1886	53,580
Be3130_R		56.07	ug/L	0.3064	0.5464	1,766
Ca3158_R		37,710	ug/L	32.50	0.08618	16,420
Cd2265_A		369.9	ug/L	0.7263	0.1964	2,136
Co2286_A		537.4	ug/L	3.171	0.5902	881.1
Cr2677_A	W	3,236	ug/L	21.81	0.6739	20,590
Cu3273_A	W	7,373	ug/L	29.79	0.4041	44,850
Fe2599_R	W	279,400	ug/L	1,951	0.6983	181,600
K_7664_R		46,770	ug/L	205.7	0.4398	10,980
Li6707_R		811.9	ug/L	4.149	0.5110	3,245
Mg2025_A	W	72,290	ug/L	147.9	0.2045	5,974
Mn2576_R	W	2,885	ug/L	20.99	0.7275	9,114
Mo2020_A		384.2	ug/L	2.169	0.5645	333.2
Na5895_R	W	58,060	ug/L	107.7	0.1856	37,220
Ni2316_A		1,237	ug/L	3.233	0.2614	1,131
Pb2203_A	W	5,284	ug/L	21.63	0.4094	2,241
Sb2068_A		36.03	ug/L	4.838	13.43	11.82
Se1960_A		107.0	ug/L	6.280	5.868	10.29
Si2516_R		4,195	ug/L	25.52	0.6083	643.1
Sn1899_A		1,114	ug/L	1.731	0.1554	231.3
Sr4215_R		979.1	ug/L	0.3903	0.03986	21,110
Ti3349_A	W	9,130	ug/L	57.03	0.6247	111,800
Tl1908_A		95.30	ug/L	1.044	1.095	17.45
V_2924_A		1,074	ug/L	10.43	0.9710	6,939
Zn2062_A	W	12,440	ug/L	21.95	0.1765	18,270
Y_3600_R		13,778	Cts/S	98.531	0.71513	13,778
Y_2243_A		6,774.0	Cts/S	0.48115	0.0071029	6,774.0
Y_3600_A		189,830	Cts/S	587.68	0.30958	189,830

SG4747-002S

Method Name: K6010-2011 Method Revision: 824

SG4747-002S

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:21:55PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		90.20	ug/L	1.790	1.984	-183.3
Al3961_R	W	186,800	ug/L	2,776	1.486	48,730
As1891_A		219.2	ug/L	3.408	1.555	28.10
Au2427_A		17.81	ug/L	1.442	8.096	117.1
B_2089_A		873.0	ug/L	8.231	0.9428	374.7
Ba4554_R	W	3,435	ug/L	38.59	1.123	55,990
Be3130_R		59.09	ug/L	0.9139	1.547	1,817
Ca3158_R		40,820	ug/L	541.3	1.326	17,310
Cd2265_A		387.0	ug/L	4.159	1.075	2,239
Co2286_A		554.1	ug/L	6.154	1.111	909.5
Cr2677_A	W	3,464	ug/L	22.46	0.6484	22,300
Cu3273_A	W	7,925	ug/L	34.33	0.4332	48,800
Fe2599_R	W	299,500	ug/L	4,404	1.470	189,600
K_7664_R		49,220	ug/L	443.1	0.9002	11,250
Li6707_R		858.1	ug/L	6.945	0.8093	3,335
Mg2025_A	W	76,270	ug/L	734.4	0.9630	6,309
Mn2576_R	W	3,070	ug/L	35.85	1.168	9,444
Mo2020_A		395.7	ug/L	3.934	0.9942	343.5
Na5895_R	W	61,940	ug/L	473.6	0.7647	38,680
Ni2316_A		1,316	ug/L	11.55	0.8776	1,204
Pb2203_A	W	5,758	ug/L	42.44	0.7371	2,445
Sb2068_A		33.86	ug/L	0.3392	1.002	11.85
Se1960_A		103.2	ug/L	1.026	0.9943	10.04
Si2516_R		4,425	ug/L	14.97	0.3383	659.9
Sn1899_A		1,166	ug/L	13.31	1.142	242.5
Sr4215_R		1,044	ug/L	17.37	1.663	21,920
Ti3349_A	W	9,419	ug/L	49.86	0.5294	116,800
Tl1908_A		94.92	ug/L	0.2053	0.2163	17.25
V_2924_A		1,101	ug/L	5.707	0.5183	7,196
Zn2062_A	W	13,650	ug/L	130.6	0.9564	20,070
Y_3600_R		13,416	Cts/S	79.646	0.59367	13,416
Y_2243_A		6,781.8	Cts/S	51.478	0.75907	6,781.8
Y_3600_A		192,160	Cts/S	1,032.2	0.53715	192,160

SG4463-002

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:26:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.8713	ug/L	10.07	1,156	-16.04
Al3961_R		-166.7	ug/L	130.3	78.13	-6.749
As1891_A		166.4	ug/L	9.267	5.569	0.6249
Au2427_A		13.19	ug/L	35.42	268.6	1.512
B_2089_A		115.0	ug/L	4.039	3.514	7.650
Ba4554_R		176.1	ug/L	5.477	3.110	224.5
Be3130_R		2.227	ug/L	0.1565	7.028	-1.588
Ca3158_R		2,001	ug/L	104.1	5.202	55.07
Cd2265_A		-2.357	ug/L	0.2779	11.79	-1.109
Co2286_A		-3.265	ug/L	6.807	208.5	4.741
Cr2677_A		23.56	ug/L	8.989	38.16	19.21
Cu3273_A		30.03	ug/L	3.483	11.60	44.62
Fe2599_R		243.3	ug/L	49.34	20.28	20.50
K_7664_R		5,980	ug/L	675.5	11.30	107.5
Li6707_R	W	308,800	ug/L	12,950	4.195	86,660
Mg2025_A		-186.8	ug/L	53.26	28.52	-2.733
Mn2576_R		11.31	ug/L	4.565	40.37	3.152
Mo2020_A		17.84	ug/L	12.73	71.36	3.718

SG4463-002

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:26:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		5,889	ug/L	336.6	5.716	161.1
Ni2316_A		3.742	ug/L	3.699	98.85	-0.7886
Pb2203_A		-17.28	ug/L	26.28	152.1	0.1701
Sb2068_A		42.62	ug/L	5.076	11.91	1.912
Se1960_A		503.4	ug/L	34.07	6.767	3.752
Si2516_R		2,383	ug/L	346.6	14.54	33.97
Sn1899_A		145.8	ug/L	1.465	1.005	2.745
Sr4215_R		17.22	ug/L	2.485	14.43	-7.828
Ti3349_A		49.15	ug/L	8.095	16.47	29.57
Tl1908_A		-299.6	ug/L	15.84	5.289	-4.716
V_2924_A		-1.901	ug/L	10.18	535.4	-4.561
Zn2062_A		301.5	ug/L	3.000	0.9951	36.51
Y_3600_R		12,403	Cts/S	410.97	3.3136	12,403
Y_2243_A		6,594.8	Cts/S	14.047	0.21300	6,594.8
Y_3600_A		193,300	Cts/S	5,686.9	2.9420	193,300

CCV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:30:51PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		493.6	ug/L	1.662	0.3368	8,731
Al3961_R		12,530	ug/L	88.79	0.7084	6,344
As1891_A		491.7	ug/L	1.413	0.2874	138.0
Au2427_A		495.7	ug/L	3.492	0.7045	1,407
B_2089_A		495.7	ug/L	0.7580	0.1529	422.1
Ba4554_R		504.0	ug/L	1.298	0.2576	15,920
Be3130_R		506.6	ug/L	2.531	0.4996	33,740
Ca3158_R		12,510	ug/L	84.12	0.6726	10,280
Cd2265_A		506.4	ug/L	0.7627	0.1506	5,530
Co2286_A		510.4	ug/L	0.05658	0.01109	1,560
Cr2677_A		506.6	ug/L	1.403	0.2769	6,410
Cu3273_A		506.9	ug/L	1.477	0.2913	6,159
Fe2599_R		12,700	ug/L	59.18	0.4661	15,580
K_7664_R		12,400	ug/L	59.60	0.4806	5,498
Li6707_R		504.1	ug/L	4.058	0.8050	3,783
Mg2025_A		12,530	ug/L	40.82	0.3258	2,029
Mn2576_R		506.4	ug/L	2.762	0.5454	3,016
Mo2020_A		511.4	ug/L	1.198	0.2343	858.9
Na5895_R		12,460	ug/L	74.10	0.5947	15,010
Ni2316_A		507.4	ug/L	1.306	0.2573	912.8
Pb2203_A		511.2	ug/L	0.9756	0.1908	422.3
Sb2068_A		494.8	ug/L	0.4419	0.08932	156.1
Se1960_A		490.2	ug/L	2.034	0.4150	79.83
Si2516_R		12,640	ug/L	22.25	0.1760	3,630
Sn1899_A		508.9	ug/L	1.302	0.2559	205.8
Sr4215_R		501.5	ug/L	2.367	0.4719	20,400
Ti3349_A		500.0	ug/L	2.103	0.4207	12,160
Tl1908_A		509.4	ug/L	0.7532	0.1479	213.0
V_2924_A		501.1	ug/L	0.3877	0.07738	6,442
Zn2062_A		502.5	ug/L	0.7058	0.1404	1,437
Y_3600_R		12,998	Cts/S	87.071	0.66988	12,998
Y_2243_A		6,593.6	Cts/S	3.1077	0.047132	6,593.6
Y_3600_A		188,640	Cts/S	359.71	0.19069	188,640

CCB

Method Name: K6010-2011 Method Revision: 824

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:35:11PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3177	ug/L	0.2816	88.64	-9.422
Al3961_R		-7.978	ug/L	11.09	139.0	-7.807
As1891_A		1.740	ug/L	1.158	66.58	-0.7836
Au2427_A		-0.8617	ug/L	0.7007	81.32	-2.471
B_2089_A		0.02212	ug/L	0.1138	514.5	4.006
Ba4554_R		0.1462	ug/L	0.3064	209.6	17.42
Be3130_R		0.06702	ug/L	0.001707	2.548	-3.082
Ca3158_R		-3.054	ug/L	1.515	49.59	-10.61
Cd2265_A		-0.1401	ug/L	0.05989	42.73	-1.649
Co2286_A		-0.07430	ug/L	0.1338	180.1	5.009
Cr2677_A		-0.1315	ug/L	0.5776	439.4	5.264
Cu3273_A		0.4646	ug/L	1.310	282.0	35.58
Fe2599_R		-0.1770	ug/L	1.514	855.4	9.324
K_7664_R		-24.27	ug/L	10.99	45.29	-3.798
Li6707_R		2.920	ug/L	1.678	57.47	99.11
Mg2025_A		1.052	ug/L	1.655	157.4	-1.393
Mn2576_R		-0.1250	ug/L	0.7989	639.2	-0.1250
Mo2020_A		0.2304	ug/L	0.3010	130.6	2.972
Na5895_R		24.53	ug/L	1.773	7.226	-87.40
Ni2316_A		0.2134	ug/L	0.3155	147.8	-0.6872
Pb2203_A		-0.2800	ug/L	1.137	405.9	0.5265
Sb2068_A		0.4112	ug/L	2.682	652.2	1.556
Se1960_A		0.06345	ug/L	0.7634	1,203	0.5186
Si2516_R		0.9993	ug/L	4.208	421.1	8.688
Sn1899_A		0.3026	ug/L	1.466	484.5	0.5249
Sr4215_R		0.01149	ug/L	0.2925	2,545	-35.98
Ti3349_A		0.8083	ug/L	0.1603	19.83	0.5618
Tl1908_A		0.5466	ug/L	0.07779	14.23	0.5383
V_2924_A		0.01991	ug/L	0.1499	753.2	-3.225
Zn2062_A		-0.06092	ug/L	0.1661	272.7	1.882
Y_3600_R		13,044	Cts/S	43.495	0.33345	13,044
Y_2243_A		6,738.8	Cts/S	40.592	0.60236	6,738.8
Y_3600_A		193,580	Cts/S	960.03	0.49593	193,580

SG4463-003

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:39:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.02691	ug/L	8.454	31,420	-15.04
Al3961_R		1,574	ug/L	418.3	26.58	28.23
As1891_A		150.1	ug/L	37.82	25.21	0.4412
Au2427_A		-12.63	ug/L	17.99	142.5	-1.424
B_2089_A		-8.258	ug/L	29.19	353.5	3.620
Ba4554_R		69.76	ug/L	7.183	10.30	101.3
Be3130_R		-0.8393	ug/L	0.9193	109.5	-9.778
Ca3158_R		427.6	ug/L	118.0	27.59	6.010
Cd2265_A		-3.879	ug/L	0.1550	3.996	-1.777
Co2286_A		-2.274	ug/L	5.803	255.2	4.837
Cr2677_A		22.73	ug/L	1.562	6.873	18.47
Cu3273_A		12.49	ug/L	0.1123	0.8994	35.48
Fe2599_R		-33.31	ug/L	84.38	253.3	7.930
K_7664_R		5,351	ug/L	215.4	4.026	102.2
Li6707_R	W	293,200	ug/L	958.2	0.3267	86,660
Mg2025_A		-232.2	ug/L	4.652	2.004	-3.021
Mn2576_R		-15.98	ug/L	4.568	28.58	-3.185
Mo2020_A		3.583	ug/L	7.188	200.6	2.763

SG4463-003

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:39:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,636	ug/L	193.4	4.170	108.6
Ni2316_A		-3.636	ug/L	4.741	130.4	-1.317
Pb2203_A		-42.05	ug/L	0.5497	1.307	-0.6554
Sb2068_A		32.44	ug/L	13.28	40.94	1.782
Se1960_A		526.9	ug/L	4.866	0.9235	3.898
Si2516_R		2,212	ug/L	108.5	4.904	33.85
Sn1899_A		161.7	ug/L	16.07	9.939	2.997
Sr4215_R		13.45	ug/L	0.8820	6.556	-14.46
Ti3349_A		9.947	ug/L	5.040	50.67	-9.552
Tl1908_A		-319.7	ug/L	22.81	7.134	-5.041
V_2924_A		5.709	ug/L	6.780	118.8	-0.4778
Zn2062_A		55.16	ug/L	1.817	3.294	8.310
Y_3600_R		13,050	Cts/S	134.62	1.0315	13,050
Y_2243_A		6,584.5	Cts/S	75.718	1.1499	6,584.5
Y_3600_A		190,820	Cts/S	598.83	0.31382	190,820

SG4463-004

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:44:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-13.55	ug/L	2.400	17.71	-24.82
Al3961_R		-252.5	ug/L	383.2	151.7	-8.890
As1891_A		106.7	ug/L	35.60	33.35	-0.05121
Au2427_A		10.77	ug/L	50.54	469.3	1.238
B_2089_A		28.14	ug/L	0.2287	0.8126	4.826
Ba4554_R		75.48	ug/L	10.52	13.93	108.4
Be3130_R		0.1904	ug/L	2.722	1,429	-7.025
Ca3158_R		396.9	ug/L	88.10	22.20	5.012
Cd2265_A		-2.882	ug/L	0.3061	10.62	-1.350
Co2286_A		-3.208	ug/L	1.212	37.78	4.751
Cr2677_A		24.51	ug/L	5.651	23.05	19.38
Cu3273_A		32.25	ug/L	15.50	48.07	45.16
Fe2599_R		-25.95	ug/L	30.48	117.5	8.263
K_7664_R		5,893	ug/L	273.6	4.643	111.7
Li6707_R	W	310,900	ug/L	995.0	0.3201	91,770
Mg2025_A		-270.9	ug/L	25.39	9.373	-3.287
Mn2576_R		-9.439	ug/L	12.95	137.2	-1.624
Mo2020_A		0.9031	ug/L	3.842	425.4	2.594
Na5895_R		4,764	ug/L	352.8	7.405	114.8
Ni2316_A		4.271	ug/L	11.14	260.7	-0.7533
Pb2203_A		-33.53	ug/L	24.43	72.86	-0.3683
Sb2068_A		8.387	ug/L	1.185	14.13	1.493
Se1960_A		433.9	ug/L	27.26	6.283	3.314
Si2516_R		2,156	ug/L	332.6	15.42	33.17
Sn1899_A		113.0	ug/L	24.82	21.95	2.223
Sr4215_R		13.27	ug/L	2.818	21.24	-14.76
Ti3349_A		9.386	ug/L	1.970	20.99	-10.11
Tl1908_A		-328.3	ug/L	5.009	1.526	-5.213
V_2924_A		4.948	ug/L	0.1530	3.092	-0.8755
Zn2062_A		91.51	ug/L	1.784	1.949	12.52
Y_3600_R		13,038	Cts/S	9.0914	0.069731	13,038
Y_2243_A		6,617.8	Cts/S	8.5653	0.12943	6,617.8
Y_3600_A		190,790	Cts/S	148.17	0.077661	190,790

LCSWGG10ICW1

Method Name: K6010-2011 Method Revision: 824

LCSWGG10ICW1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:48:49PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	58.99	ug/L	0.8345	1.415	1,076
Al3961_R		2,029	ug/L	49.39	2.434	1,077
As1891_A		105.4	ug/L	2.290	2.173	29.81
Au2427_A		1.454	ug/L	0.3170	21.80	2.925
B_2089_A		544.6	ug/L	2.752	0.5053	472.5
Ba4554_R		2,053	ug/L	40.69	1.982	67,850
Be3130_R		52.06	ug/L	0.9903	1.902	3,612
Ca3158_R		2,643	ug/L	47.61	1.802	2,266
Cd2265_A		275.7	ug/L	1.887	0.6843	3,125
Co2286_A		550.3	ug/L	3.171	0.5763	1,747
Cr2677_A		214.9	ug/L	0.1468	0.06834	2,843
Cu3273_A		271.8	ug/L	0.8271	0.3043	3,455
Fe2599_R		1,006	ug/L	20.66	2.054	1,301
K_7664_R		10,110	ug/L	251.0	2.483	4,691
Li6707_R		508.3	ug/L	7.748	1.525	3,991
Mg2025_A		5,478	ug/L	23.89	0.4361	932.0
Mn2576_R		513.7	ug/L	9.103	1.772	3,201
Mo2020_A		291.9	ug/L	6.863	2.351	510.3
Na5895_R		7,624	ug/L	158.9	2.084	9,562
Ni2316_A		548.2	ug/L	2.403	0.4383	1,025
Pb2203_A		111.7	ug/L	0.9324	0.8351	96.30
Sb2068_A		108.5	ug/L	1.754	1.616	35.41
Se1960_A		109.1	ug/L	4.332	3.969	18.90
Si2516_R		4,951	ug/L	68.37	1.381	1,494
Sn1899_A		545.6	ug/L	0.4437	0.08132	229.2
Sr4215_R		509.5	ug/L	10.02	1.966	21,690
Ti3349_A		521.3	ug/L	3.392	0.6507	13,240
Tl1908_A		112.2	ug/L	0.4736	0.4220	48.73
V_2924_A		526.6	ug/L	2.654	0.5040	7,118
Zn2062_A		547.8	ug/L	3.412	0.6229	1,628
Y_3600_R		13,604	Cts/S	38.918	0.28608	13,604
Y_2243_A		6,848.4	Cts/S	25.348	0.37014	6,848.4
Y_3600_A		196,980	Cts/S	1,976.8	1.0036	196,980

PBWGG10ICW1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:53:13PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1163	ug/L	0.4908	422.1	-17.67
Al3961_R		-2.514	ug/L	26.82	1,067	-5.094
As1891_A		0.7426	ug/L	0.07059	9.506	-1.104
Au2427_A		0.3275	ug/L	0.2927	89.37	0.9859
B_2089_A		-1.081	ug/L	0.7930	73.38	3.281
Ba4554_R		0.5527	ug/L	0.2354	42.60	31.38
Be3130_R		-0.01176	ug/L	0.1216	1,034	-8.628
Ca3158_R	F	100.1	ug/L	3.359	3.354	77.33
Cd2265_A		-0.01917	ug/L	0.03492	182.2	-0.3096
Co2286_A		0.06918	ug/L	0.3243	468.8	5.618
Cr2677_A		0.1471	ug/L	0.3644	247.6	8.992
Cu3273_A		1.450	ug/L	0.2576	17.77	48.68
Fe2599_R		5.111	ug/L	0.6056	11.85	16.43
K_7664_R		-90.86	ug/L	13.07	14.39	-34.64
Li6707_R		-0.6917	ug/L	0.04292	6.205	75.18
Mg2025_A		42.91	ug/L	2.658	6.194	5.659
Mn2576_R		0.4808	ug/L	0.2340	48.67	3.625
Mo2020_A		3.195	ug/L	0.9452	29.59	8.290

PBWGG10ICW1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:53:13PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		52.46	ug/L	15.56	29.66	-55.26
Ni2316_A		0.8539	ug/L	0.007825	0.9164	0.5110
Pb2203_A		-0.4030	ug/L	0.03523	8.742	0.4281
Sb2068_A		-0.1730	ug/L	0.1468	84.84	1.405
Se1960_A		0.8378	ug/L	1.516	180.9	0.6649
Si2516_R		5.665	ug/L	1.684	29.73	10.41
Sn1899_A		1.058	ug/L	0.3059	28.92	0.8598
Sr4215_R		0.3895	ug/L	0.1414	36.30	-21.28
Ti3349_A		1.062	ug/L	0.4073	38.35	7.119
Tl1908_A		0.8523	ug/L	0.9336	109.5	0.6873
V_2924_A		0.2014	ug/L	0.2072	102.9	-1.207
Zn2062_A		1.408	ug/L	0.1102	7.823	6.358
Y_3600_R		13,528	Cts/S	131.05	0.96869	13,528
Y_2243_A		6,938.9	Cts/S	34.209	0.49300	6,938.9
Y_3600_A		197,110	Cts/S	2,343.9	1.1891	197,110

SG4687-001

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 4:57:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		80.03	ug/L	2.577	3.221	1,461
Al3961_R		186.9	ug/L	18.28	9.777	93.30
As1891_A		30.18	ug/L	1.918	6.358	7.610
Au2427_A		2.654	ug/L	0.1272	4.791	6.779
B_2089_A	W	1,736	ug/L	8.601	0.4954	1,477
Ba4554_R	W	2,521	ug/L	48.01	1.905	80,720
Be3130_R		8.056	ug/L	0.1678	2.083	540.3
Ca3158_R		0.5086	ug/L	4.824	948.4	-7.892
Cd2265_A		35.08	ug/L	0.1589	0.4530	400.0
Co2286_A		-0.3948	ug/L	0.2751	69.68	4.266
Cr2677_A		147.7	ug/L	4.793	3.244	1,948
Cu3273_A	W	1,278	ug/L	42.99	3.363	16,120
Fe2599_R		1,621	ug/L	18.14	1.119	2,025
K_7664_R		-82.38	ug/L	60.70	73.68	-29.83
Li6707_R		-0.1044	ug/L	1.123	1,075	77.58
Mg2025_A		1.102	ug/L	1.983	179.9	-1.325
Mn2576_R		538.9	ug/L	8.565	1.589	3,253
Mo2020_A		58.41	ug/L	1.975	3.382	104.8
Na5895_R		48.36	ug/L	4.104	8.485	-58.95
Ni2316_A		307.9	ug/L	0.1378	0.04475	578.1
Pb2203_A		97.34	ug/L	0.02546	0.02616	84.71
Sb2068_A		45.37	ug/L	1.539	3.393	16.66
Se1960_A		51.81	ug/L	3.671	7.085	9.335
Si2516_R		126.0	ug/L	0.4699	0.3730	45.20
Sn1899_A		1.641	ug/L	0.1842	11.23	1.098
Sr4215_R		0.2374	ug/L	0.03153	13.28	-27.03
Ti3349_A		0.2700	ug/L	0.1210	44.79	-11.83
Tl1908_A		7.033	ug/L	1.485	21.11	2.819
V_2924_A		139.6	ug/L	4.393	3.148	1,856
Zn2062_A	W	1,764	ug/L	3.957	0.2243	5,269
Y_3600_R		13,177	Cts/S	81.048	0.61505	13,177
Y_2243_A		6,884.5	Cts/S	13.704	0.19905	6,884.5
Y_3600_A		196,060	Cts/S	5,713.7	2.9142	196,060

LCSOGG10ICS1

Method Name: K6010-2011 Method Revision: 824

LCSOGG10ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:02:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.23	ug/L	0.3626	0.7078	903.6
Al3961_R		1,974	ug/L	8.899	0.4509	993.3
As1891_A		99.77	ug/L	0.3737	0.3745	27.11
Au2427_A		1.217	ug/L	0.1557	12.79	2.173
B_2089_A		500.5	ug/L	0.1622	0.03241	419.3
Ba4554_R		2,060	ug/L	14.64	0.7106	64,550
Be3130_R		51.28	ug/L	0.4888	0.9532	3,374
Ca3158_R		2,611	ug/L	20.98	0.8034	2,123
Cd2265_A		255.0	ug/L	0.6085	0.2386	2,781
Co2286_A		524.7	ug/L	0.2086	0.03975	1,602
Cr2677_A		204.6	ug/L	0.005777	0.002824	2,628
Cu3273_A		259.7	ug/L	0.4294	0.1653	3,205
Fe2599_R		1,027	ug/L	7.252	0.7058	1,260
K_7664_R		9,915	ug/L	25.82	0.2604	4,363
Li6707_R		510.1	ug/L	7.053	1.383	3,799
Mg2025_A		4,972	ug/L	6.268	0.1261	814.7
Mn2576_R		509.0	ug/L	1.409	0.2769	3,008
Mo2020_A		308.2	ug/L	0.07766	0.02520	518.1
Na5895_R		7,539	ug/L	29.01	0.3848	8,965
Ni2316_A		521.6	ug/L	0.1078	0.02066	938.1
Pb2203_A		101.9	ug/L	1.232	1.208	84.58
Sb2068_A		100.9	ug/L	0.5330	0.5283	31.64
Se1960_A		103.7	ug/L	1.447	1.395	17.30
Si2516_R	F	3,944	ug/L	34.87	0.8842	1,130
Sn1899_A		547.0	ug/L	0.6045	0.1105	221.0
Sr4215_R		504.4	ug/L	5.460	1.082	20,360
Ti3349_A		504.6	ug/L	1.985	0.3934	12,440
Tl1908_A		105.3	ug/L	0.7191	0.6826	44.00
V_2924_A		504.5	ug/L	1.901	0.3769	6,615
Zn2062_A		512.7	ug/L	0.1646	0.03211	1,466
Y_3600_R		12,899	Cts/S	156.66	1.2145	12,899
Y_2243_A		6,587.7	Cts/S	20.594	0.31261	6,587.7
Y_3600_A		191,190	Cts/S	16.021	0.0083793	191,190

PBSGG10ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:06:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.005253	ug/L	0.1558	2,965	-15.49
Al3961_R		-16.82	ug/L	10.99	65.33	-12.31
As1891_A		0.6924	ug/L	0.9941	143.6	-1.092
Au2427_A		0.04979	ug/L	0.5778	1,161	0.1630
B_2089_A		1.560	ug/L	0.1015	6.507	5.310
Ba4554_R		0.2421	ug/L	0.4264	176.2	20.48
Be3130_R		0.006635	ug/L	0.04058	611.6	-7.119
Ca3158_R		60.59	ug/L	8.926	14.73	41.87
Cd2265_A		-0.05893	ug/L	0.06027	102.3	-0.7421
Co2286_A		0.01705	ug/L	0.1382	810.6	5.317
Cr2677_A		0.5949	ug/L	0.1367	22.98	14.89
Cu3273_A		1.682	ug/L	0.2307	13.72	51.44
Fe2599_R		18.29	ug/L	5.380	29.42	31.95
K_7664_R		-84.19	ug/L	64.93	77.12	-30.52
Li6707_R		2.185	ug/L	1.066	48.79	93.47
Mg2025_A		23.05	ug/L	2.565	11.13	2.233
Mn2576_R		0.7886	ug/L	0.5293	67.12	5.313
Mo2020_A		0.4155	ug/L	0.5260	126.6	3.306

PBSGG10ICS1

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:06:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		48.14	ug/L	10.50	21.82	-58.45
Ni2316_A		0.9069	ug/L	0.3280	36.17	0.5899
Pb2203_A		0.3604	ug/L	0.4278	118.7	1.072
Sb2068_A		-0.1619	ug/L	2.747	1,697	1.312
Se1960_A		-1.902	ug/L	1.574	82.73	0.1949
Si2516_R		9.221	ug/L	3.085	33.46	11.03
Sn1899_A		21.17	ug/L	0.1308	0.6178	9.174
Sr4215_R		0.3128	ug/L	0.06575	21.02	-23.64
Ti3349_A		0.7044	ug/L	0.3176	45.09	-2.069
Tl1908_A		-0.3557	ug/L	0.1777	49.95	0.1528
V_2924_A		-0.05148	ug/L	0.1039	201.8	-4.349
Zn2062_A		1.154	ug/L	0.06888	5.971	5.452
Y_3600_R		13,017	Cts/S	153.06	1.1758	13,017
Y_2243_A		6,768.4	Cts/S	17.844	0.26363	6,768.4
Y_3600_A		196,500	Cts/S	1.6503	0.00083984	196,500

SG4772-001

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:11:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.367	ug/L	0.04219	3.085	-396.7
Al3961_R	W	31,700	ug/L	28.09	0.08860	16,260
As1891_A		42.36	ug/L	2.346	5.538	10.00
Au2427_A		2.853	ug/L	0.1201	4.208	44.60
B_2089_A		13.74	ug/L	0.1616	1.176	15.63
Ba4554_R		117.7	ug/L	0.9685	0.8232	3,782
Be3130_R		1.273	ug/L	0.04859	3.816	-83.72
Ca3158_R		4,420	ug/L	46.91	1.061	3,679
Cd2265_A		0.3374	ug/L	0.05680	16.84	32.30
Co2286_A		9.643	ug/L	0.02831	0.2936	63.69
Cr2677_A		68.01	ug/L	0.1982	0.2914	897.1
Cu3273_A		48.35	ug/L	0.5174	1.070	512.4
Fe2599_R	W	58,690	ug/L	311.3	0.5304	73,050
K_7664_R		3,129	ug/L	25.86	0.8266	1,413
Li6707_R		42.79	ug/L	0.1229	0.2873	397.7
Mg2025_A		7,119	ug/L	14.95	0.2100	1,176
Mn2576_R		455.7	ug/L	1.542	0.3384	2,758
Mo2020_A		4.766	ug/L	0.5769	12.11	10.74
Na5895_R		683.1	ug/L	8.649	1.266	722.7
Ni2316_A		50.48	ug/L	0.1085	0.2149	87.17
Pb2203_A	W	10,120	ug/L	1.374	0.01357	8,624
Sb2068_A		2.995	ug/L	3.350	111.8	2.746
Se1960_A		-0.7966	ug/L	0.8876	111.4	0.7287
Si2516_R		2,451	ug/L	44.40	1.812	719.9
Sn1899_A		33.05	ug/L	0.3992	1.208	14.13
Sr4215_R		45.06	ug/L	0.08875	0.1969	1,827
Ti3349_A	W	3,629	ug/L	4.709	0.1297	91,270
Tl1908_A		1.610	ug/L	0.6299	39.13	-1.138
V_2924_A		231.6	ug/L	0.1767	0.07629	3,142
Zn2062_A		145.5	ug/L	0.05746	0.03948	430.1
Y_3600_R		13,189	Cts/S	98.422	0.74622	13,189
Y_2243_A		6,784.2	Cts/S	9.8802	0.14563	6,784.2
Y_3600_A		194,870	Cts/S	101.64	0.052161	194,870

SG4772-002

Method Name: K6010-2011 Method Revision: 824

SG4772-002

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:15:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.305	ug/L	0.2928	22.43	-531.1
Al3961_R	W	47,890	ug/L	22.81	0.04762	24,550
As1891_A		61.49	ug/L	0.9427	1.533	15.21
Au2427_A		3.812	ug/L	1.290	33.85	60.35
B_2089_A		17.08	ug/L	0.007919	0.04636	18.42
Ba4554_R		124.0	ug/L	0.5828	0.4701	3,982
Be3130_R		2.069	ug/L	0.04232	2.045	-41.76
Ca3158_R		3,644	ug/L	58.11	1.595	3,030
Cd2265_A		0.8202	ug/L	0.05506	6.713	46.78
Co2286_A		9.767	ug/L	0.1078	1.103	67.15
Cr2677_A		77.27	ug/L	0.5879	0.7608	1,015
Cu3273_A		71.83	ug/L	0.01181	0.01644	793.0
Fe2599_R	W	79,220	ug/L	428.7	0.5412	98,530
K_7664_R		3,147	ug/L	5.734	0.1822	1,420
Li6707_R		53.78	ug/L	1.519	2.824	479.3
Mg2025_A		6,364	ug/L	0.9102	0.01430	1,051
Mn2576_R		549.6	ug/L	1.119	0.2036	3,324
Mo2020_A		4.808	ug/L	0.2860	5.949	10.77
Na5895_R		758.8	ug/L	7.885	1.039	815.4
Ni2316_A		60.25	ug/L	0.2998	0.4976	103.4
Pb2203_A	F	21,440	ug/L	14.27	0.06656	18,260
Sb2068_A		9.175	ug/L	2.315	25.24	4.856
Se1960_A		0.3388	ug/L	2.009	592.9	1.031
Si2516_R		2,879	ug/L	10.78	0.3744	843.2
Sn1899_A		33.85	ug/L	0.2944	0.8695	14.46
Sr4215_R		39.59	ug/L	0.5933	1.499	1,599
Ti3349_A	W	3,969	ug/L	34.36	0.8656	99,420
Tl1908_A		1.218	ug/L	0.05432	4.459	-1.577
V_2924_A		379.6	ug/L	2.324	0.6122	5,119
Zn2062_A		184.3	ug/L	0.2083	0.1131	543.9
Y_3600_R		13,180	Cts/S	64.502	0.48939	13,180
Y_2243_A		6,783.8	Cts/S	8.3180	0.12261	6,783.8
Y_3600_A		194,090	Cts/S	94.557	0.048717	194,090

SG4772-003

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:20:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.881	ug/L	0.6933	24.06	-287.1
Al3961_R	W	33,680	ug/L	590.5	1.754	17,330
As1891_A		45.76	ug/L	1.360	2.973	11.10
Au2427_A		3.928	ug/L	0.7164	18.24	40.02
B_2089_A		13.65	ug/L	0.3348	2.452	15.40
Ba4554_R		199.2	ug/L	4.188	2.102	6,419
Be3130_R		1.533	ug/L	0.03090	2.016	-13.87
Ca3158_R		4,544	ug/L	90.65	1.995	3,797
Cd2265_A		1.196	ug/L	0.005635	0.4710	35.52
Co2286_A		7.771	ug/L	0.4013	5.164	48.54
Cr2677_A		49.82	ug/L	1.141	2.290	663.5
Cu3273_A		59.95	ug/L	0.4259	0.7104	703.0
Fe2599_R	W	47,130	ug/L	859.1	1.823	58,870
K_7664_R		2,477	ug/L	43.97	1.775	1,124
Li6707_R		21.01	ug/L	1.766	8.404	236.0
Mg2025_A		3,708	ug/L	20.10	0.5420	606.8
Mn2576_R		423.9	ug/L	6.579	1.552	2,574
Mo2020_A		3.928	ug/L	0.3627	9.232	9.238

SG4772-003

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:20:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		565.8	ug/L	18.26	3.228	580.3
Ni2316_A		52.02	ug/L	0.2015	0.3874	90.28
Pb2203_A	W	7,354	ug/L	73.42	0.9984	6,208
Sb2068_A		14.96	ug/L	0.4585	3.065	6.497
Se1960_A		5.507	ug/L	2.199	39.93	1.703
Si2516_R		3,021	ug/L	25.26	0.8362	888.8
Sn1899_A		27.67	ug/L	1.120	4.047	11.79
Sr4215_R		49.90	ug/L	1.105	2.215	2,034
Ti3349_A	W	2,463	ug/L	43.60	1.770	62,340
Tl1908_A		1.047	ug/L	0.4719	45.06	-0.7384
V_2924_A		165.9	ug/L	3.766	2.270	2,259
Zn2062_A		144.2	ug/L	1.692	1.173	422.4
Y_3600_R		13,237	Cts/S	22.978	0.17358	13,237
Y_2243_A		6,725.5	Cts/S	36.528	0.54313	6,725.5
Y_3600_A		196,170	Cts/S	3,177.8	1.6199	196,170

CCV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:24:30PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		492.3	ug/L	0.9708	0.1972	8,747
Al3961_R		12,540	ug/L	28.44	0.2267	6,240
As1891_A		491.9	ug/L	0.4839	0.09837	138.0
Au2427_A		493.0	ug/L	0.4276	0.08673	1,399
B_2089_A		494.0	ug/L	0.4468	0.09043	420.3
Ba4554_R		502.6	ug/L	0.07454	0.01483	15,610
Be3130_R		504.0	ug/L	1.622	0.3219	33,000
Ca3158_R		12,500	ug/L	15.97	0.1278	10,090
Cd2265_A		501.2	ug/L	0.03915	0.007811	5,470
Co2286_A		507.3	ug/L	0.3141	0.06193	1,550
Cr2677_A		500.7	ug/L	1.394	0.2785	6,363
Cu3273_A		502.4	ug/L	1.446	0.2879	6,131
Fe2599_R		12,620	ug/L	14.83	0.1176	15,220
K_7664_R		12,400	ug/L	11.76	0.09480	5,405
Li6707_R		496.1	ug/L	4.421	0.8911	3,661
Mg2025_A		12,590	ug/L	11.76	0.09336	2,038
Mn2576_R		500.8	ug/L	0.9459	0.1889	2,932
Mo2020_A		506.3	ug/L	1.017	0.2010	849.9
Na5895_R		12,520	ug/L	17.27	0.1380	14,820
Ni2316_A		504.9	ug/L	0.6347	0.1257	907.8
Pb2203_A		507.1	ug/L	0.8261	0.1629	418.6
Sb2068_A		492.6	ug/L	0.3286	0.06672	155.4
Se1960_A		487.1	ug/L	0.1658	0.03405	79.28
Si2516_R		12,540	ug/L	87.64	0.6991	3,539
Sn1899_A		504.5	ug/L	0.01003	0.001988	203.9
Sr4215_R		500.2	ug/L	1.253	0.2504	20,000
Ti3349_A		500.5	ug/L	0.5192	0.1037	12,230
Tl1908_A		504.6	ug/L	1.776	0.3520	210.9
V_2924_A		499.3	ug/L	0.8365	0.1675	6,448
Zn2062_A		500.6	ug/L	0.2571	0.05136	1,431
Y_3600_R		12,776	Cts/S	191.36	1.4977	12,776
Y_2243_A		6,589.6	Cts/S	29.889	0.45358	6,589.6
Y_3600_A		189,460	Cts/S	86.597	0.045708	189,460

CCB

Method Name: K6010-2011 Method Revision: 824

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:28:50PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.01019	ug/L	0.02601	255.3	-15.27
Al3961_R		-5.777	ug/L	8.382	145.1	-6.639
As1891_A		1.129	ug/L	0.1552	13.74	-0.9460
Au2427_A		-0.9277	ug/L	0.2521	27.17	-2.622
B_2089_A		-0.9293	ug/L	0.4434	47.71	3.166
Ba4554_R		-0.2730	ug/L	0.07041	25.79	4.088
Be3130_R		0.07288	ug/L	0.01857	25.48	-2.656
Ca3158_R		0.6546	ug/L	4.848	740.6	-7.474
Cd2265_A		-0.08661	ug/L	0.03385	39.08	-1.036
Co2286_A		0.07210	ug/L	0.04749	65.87	5.376
Cr2677_A		-0.3849	ug/L	0.05177	13.45	1.937
Cu3273_A		0.6429	ug/L	0.2860	44.48	37.35
Fe2599_R		1.494	ug/L	2.899	194.0	11.27
K_7664_R		-39.62	ug/L	18.55	46.83	-10.52
Li6707_R		0.2501	ug/L	0.2776	111.0	78.53
Mg2025_A		1.552	ug/L	0.6098	39.28	-1.285
Mn2576_R		-0.2421	ug/L	0.2234	92.29	-0.8125
Mo2020_A		0.2360	ug/L	0.4386	185.8	2.937
Na5895_R		-5.195	ug/L	9.033	173.9	-122.1
Ni2316_A		0.3004	ug/L	0.2000	66.57	-0.5197
Pb2203_A		0.06081	ug/L	0.07287	119.8	0.7989
Sb2068_A		-0.01416	ug/L	1.368	9,661	1.394
Se1960_A		1.475	ug/L	1.135	76.94	0.7399
Si2516_R		7.734	ug/L	0.6353	8.214	10.50
Sn1899_A		0.1801	ug/L	0.2221	123.3	0.4649
Sr4215_R		0.2806	ug/L	0.08296	29.56	-24.69
Ti3349_A		0.5588	ug/L	0.02868	5.132	-5.619
Tl1908_A		0.05714	ug/L	0.3157	552.5	0.3246
V_2924_A		-0.08603	ug/L	0.2885	335.3	-4.583
Zn2062_A		-0.07684	ug/L	0.01698	22.10	1.806
Y_3600_R		12,894	Cts/S	102.29	0.79328	12,894
Y_2243_A		6,631.8	Cts/S	27.403	0.41321	6,631.8
Y_3600_A		191,470	Cts/S	103.01	0.053801	191,470

SG4772-004

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:33:22PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.268	ug/L	0.3211	14.16	-474.9
Al3961_R	W	43,770	ug/L	424.9	0.9707	22,180
As1891_A		57.54	ug/L	1.839	3.197	14.33
Au2427_A		4.845	ug/L	0.2996	6.184	59.47
B_2089_A		18.99	ug/L	0.8064	4.247	20.31
Ba4554_R		257.6	ug/L	0.9269	0.3599	8,165
Be3130_R		2.390	ug/L	0.06596	2.760	-20.02
Ca3158_R		4,289	ug/L	3.906	0.09107	3,527
Cd2265_A		1.137	ug/L	0.06468	5.689	48.25
Co2286_A		11.84	ug/L	0.04753	0.4015	74.60
Cr2677_A		86.93	ug/L	0.03995	0.04596	1,143
Cu3273_A		108.2	ug/L	0.1067	0.09856	1,249
Fe2599_R	W	73,010	ug/L	537.7	0.7365	89,770
K_7664_R		3,337	ug/L	2.343	0.07020	1,488
Li6707_R		34.89	ug/L	2.183	6.256	334.7
Mg2025_A		6,352	ug/L	9.771	0.1538	1,061
Mn2576_R		680.6	ug/L	3.209	0.4715	4,067
Mo2020_A		7.138	ug/L	0.02533	0.3549	14.93

SG4772-004

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:33:22PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		706.2	ug/L	2.609	0.3695	742.1
Ni2316_A		83.12	ug/L	0.01618	0.01947	148.0
Pb2203_A	W	8,077	ug/L	25.61	0.3171	6,955
Sb2068_A		8.489	ug/L	0.8415	9.913	4.659
Se1960_A		3.914	ug/L	1.247	31.86	1.626
Si2516_R		2,687	ug/L	12.84	0.4778	778.8
Sn1899_A		37.53	ug/L	0.2392	0.6373	16.17
Sr4215_R		65.78	ug/L	0.6127	0.9315	2,651
Ti3349_A	W	4,012	ug/L	20.56	0.5125	100,800
Tl1908_A		2.198	ug/L	0.9891	45.00	-1.329
V_2924_A		448.1	ug/L	0.6508	0.1452	6,050
Zn2062_A		183.7	ug/L	0.3704	0.2016	548.3
Y_3600_R		13,030	Cts/S	72.242	0.55442	13,030
Y_2243_A		6,859.9	Cts/S	0.55954	0.0081567	6,859.9
Y_3600_A		194,610	Cts/S	112.62	0.057871	194,610

SG4772-005

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:37:49PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.111	ug/L	0.5640	50.77	-214.9
Al3961_R		24,160	ug/L	294.9	1.220	12,330
As1891_A		27.87	ug/L	1.218	4.370	6.298
Au2427_A		3.471	ug/L	0.3632	10.46	28.48
B_2089_A		14.55	ug/L	0.2660	1.829	16.34
Ba4554_R		232.8	ug/L	2.106	0.9044	7,435
Be3130_R		1.288	ug/L	0.01062	0.8250	-11.49
Ca3158_R		5,324	ug/L	57.15	1.074	4,412
Cd2265_A		1.472	ug/L	0.001811	0.1230	32.18
Co2286_A		6.084	ug/L	0.1997	3.282	40.40
Cr2677_A		49.05	ug/L	0.1268	0.2585	647.1
Cu3273_A		73.25	ug/L	0.4567	0.6235	876.4
Fe2599_R	W	31,790	ug/L	449.3	1.413	39,380
K_7664_R		1,844	ug/L	47.81	2.593	831.5
Li6707_R		15.04	ug/L	2.198	14.61	189.7
Mg2025_A		3,242	ug/L	5.468	0.1687	538.2
Mn2576_R		627.6	ug/L	10.23	1.630	3,776
Mo2020_A		2.501	ug/L	0.03932	1.572	6.917
Na5895_R		457.7	ug/L	9.523	2.080	442.9
Ni2316_A		55.52	ug/L	0.1968	0.3545	99.57
Pb2203_A	W	6,043	ug/L	31.97	0.5290	5,179
Sb2068_A		3.103	ug/L	2.081	67.06	2.682
Se1960_A		1.584	ug/L	3.286	207.5	1.022
Si2516_R		3,044	ug/L	60.02	1.972	888.3
Sn1899_A		27.90	ug/L	0.5303	1.901	12.06
Sr4215_R		59.58	ug/L	0.3900	0.6546	2,415
Ti3349_A	W	2,037	ug/L	9.034	0.4434	51,070
Tl1908_A		0.7724	ug/L	0.8068	104.5	-0.8143
V_2924_A		131.1	ug/L	0.1707	0.1301	1,758
Zn2062_A		129.4	ug/L	0.3525	0.2725	385.1
Y_3600_R		13,124	Cts/S	47.625	0.36288	13,124
Y_2243_A		6,827.6	Cts/S	7.0185	0.10280	6,827.6
Y_3600_A		194,290	Cts/S	1,306.7	0.67256	194,290

SG4772-006

Method Name: K6010-2011 Method Revision: 824

SG4772-006

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:42:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.226	ug/L	1.188	36.83	-662.9
Al3961_R	W	59,710	ug/L	426.0	0.7135	29,970
As1891_A		61.18	ug/L	0.1994	0.3260	14.68
Au2427_A		4.356	ug/L	0.3427	7.866	79.66
B_2089_A		11.70	ug/L	0.4490	3.838	13.98
Ba4554_R		186.2	ug/L	1.592	0.8549	5,850
Be3130_R		2.591	ug/L	0.1853	7.153	-47.07
Ca3158_R		2,902	ug/L	1.227	0.04229	2,362
Cd2265_A		1.059	ug/L	0.01094	1.034	62.21
Co2286_A		13.25	ug/L	0.2688	2.029	85.78
Cr2677_A		96.39	ug/L	0.6865	0.7122	1,234
Cu3273_A		82.85	ug/L	1.394	1.683	877.9
Fe2599_R	W	106,600	ug/L	953.9	0.8948	129,800
K_7664_R		3,907	ug/L	51.78	1.325	1,725
Li6707_R		65.32	ug/L	1.837	2.813	553.5
Mg2025_A		8,229	ug/L	34.70	0.4217	1,364
Mn2576_R		619.7	ug/L	4.456	0.7190	3,671
Mo2020_A		5.221	ug/L	0.03205	0.6139	11.51
Na5895_R		567.9	ug/L	5.815	1.024	568.5
Ni2316_A		61.64	ug/L	0.4212	0.6833	103.8
Pb2203_A	W	7,080	ug/L	20.97	0.2961	6,047
Sb2068_A		6.574	ug/L	0.6786	10.32	4.222
Se1960_A		5.538	ug/L	1.061	19.16	2.049
Si2516_R		3,027	ug/L	10.68	0.3528	867.5
Sn1899_A		28.66	ug/L	0.6583	2.297	12.34
Sr4215_R		31.04	ug/L	0.1959	0.6310	1,220
Ti3349_A	W	4,882	ug/L	57.36	1.175	119,400
Tl1908_A		2.251	ug/L	0.5418	24.07	-1.626
V_2924_A		403.0	ug/L	4.899	1.216	5,312
Zn2062_A		149.4	ug/L	0.5558	0.3719	442.9
Y_3600_R		12,907	Cts/S	267.34	2.0713	12,907
Y_2243_A		6,805.5	Cts/S	18.339	0.26947	6,805.5
Y_3600_A		189,520	Cts/S	1,945.0	1.0263	189,520

SG4772-007

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:46:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.955	ug/L	0.5790	29.61	-373.1
Al3961_R	W	37,630	ug/L	213.6	0.5677	19,190
As1891_A		39.63	ug/L	3.649	9.210	9.324
Au2427_A		3.677	ug/L	1.199	32.62	46.33
B_2089_A		16.39	ug/L	0.2205	1.345	17.99
Ba4554_R		220.1	ug/L	0.2806	0.1275	7,025
Be3130_R		1.671	ug/L	0.00008284	0.004958	-48.08
Ca3158_R		5,576	ug/L	27.94	0.5012	4,618
Cd2265_A		1.273	ug/L	0.05243	4.118	42.27
Co2286_A		12.16	ug/L	0.06421	0.5278	70.91
Cr2677_A		91.32	ug/L	0.06149	0.06733	1,200
Cu3273_A		109.9	ug/L	0.6728	0.6120	1,289
Fe2599_R	W	57,010	ug/L	279.9	0.4910	70,560
K_7664_R		4,599	ug/L	98.71	2.146	2,061
Li6707_R		29.57	ug/L	1.148	3.883	297.3
Mg2025_A		7,034	ug/L	51.27	0.7289	1,173
Mn2576_R		459.9	ug/L	5.303	1.153	2,767
Mo2020_A		4.207	ug/L	0.1763	4.190	9.872

SG4772-007

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:46:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		754.4	ug/L	12.23	1.622	806.1
Ni2316_A		84.61	ug/L	0.6564	0.7758	152.0
Pb2203_A	W	5,841	ug/L	13.35	0.2285	5,020
Sb2068_A		6.361	ug/L	1.495	23.51	3.971
Se1960_A		2.194	ug/L	2.132	97.15	1.231
Si2516_R		2,608	ug/L	34.03	1.305	761.2
Sn1899_A		33.63	ug/L	0.04361	0.1297	14.50
Sr4215_R		68.42	ug/L	0.08245	0.1205	2,777
Ti3349_A	W	3,455	ug/L	21.46	0.6212	86,740
Tl1908_A		0.9822	ug/L	0.8444	85.96	-1.324
V_2924_A		246.5	ug/L	1.265	0.5134	3,333
Zn2062_A		178.6	ug/L	1.107	0.6195	532.3
Y_3600_R		13,116	Cts/S	168.25	1.2828	13,116
Y_2243_A		6,847.0	Cts/S	27.495	0.40156	6,847.0
Y_3600_A		194,570	Cts/S	388.96	0.19991	194,570

SG4772-008

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:51:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.478	ug/L	0.5304	21.40	-349.8
Al3961_R	W	35,970	ug/L	423.5	1.177	18,240
As1891_A		30.06	ug/L	1.370	4.558	6.546
Au2427_A		1.967	ug/L	1.351	68.68	38.99
B_2089_A		13.99	ug/L	0.3127	2.235	15.91
Ba4554_R		254.6	ug/L	2.921	1.147	8,079
Be3130_R		2.290	ug/L	0.1700	7.422	8.942
Ca3158_R		6,965	ug/L	67.45	0.9684	5,738
Cd2265_A		2.242	ug/L	0.02516	1.122	51.64
Co2286_A		8.036	ug/L	0.5627	7.002	55.06
Cr2677_A		74.01	ug/L	3.805	5.141	992.6
Cu3273_A		83.59	ug/L	5.041	6.031	989.5
Fe2599_R	W	54,250	ug/L	727.9	1.342	66,770
K_7664_R		3,055	ug/L	72.76	2.382	1,364
Li6707_R		26.71	ug/L	1.597	5.979	274.6
Mg2025_A		5,051	ug/L	12.57	0.2489	840.5
Mn2576_R		576.8	ug/L	8.661	1.501	3,450
Mo2020_A		3.174	ug/L	0.1338	4.217	8.072
Na5895_R		541.1	ug/L	19.12	3.533	541.7
Ni2316_A		52.10	ug/L	0.5349	1.027	91.27
Pb2203_A		684.4	ug/L	3.603	0.5265	586.0
Sb2068_A		1.482	ug/L	0.3618	24.42	2.325
Se1960_A		3.306	ug/L	1.345	40.70	1.419
Si2516_R		2,368	ug/L	29.23	1.235	688.0
Sn1899_A		32.48	ug/L	0.8000	2.463	14.00
Sr4215_R		73.16	ug/L	0.2060	0.2816	2,955
Ti3349_A	W	3,098	ug/L	145.7	4.703	79,280
Tl1908_A		-0.05546	ug/L	2.405	4,336	-1.669
V_2924_A		206.8	ug/L	10.62	5.135	2,846
Zn2062_A		147.7	ug/L	0.6370	0.4314	439.7
Y_3600_R		13,041	Cts/S	13.027	0.099895	13,041
Y_2243_A		6,836.3	Cts/S	19.510	0.28540	6,836.3
Y_3600_A		198,470	Cts/S	6,747.2	3.3996	198,470

SG4772-009

Method Name: K6010-2011 Method Revision: 824

SG4772-009

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 5:55:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.818	ug/L	1.064	37.75	-502.1
Al3961_R	W	69,970	ug/L	108.2	0.1546	35,250
As1891_A		26.92	ug/L	0.4872	1.810	5.067
Au2427_A		3.127	ug/L	0.8914	28.50	59.80
B_2089_A		10.28	ug/L	0.02988	0.2907	12.61
Ba4554_R		120.5	ug/L	0.1179	0.09788	3,804
Be3130_R		2.966	ug/L	0.05395	1.819	34.95
Ca3158_R		3,410	ug/L	1.066	0.03127	2,786
Cd2265_A		1.581	ug/L	0.01265	0.7998	55.88
Co2286_A		9.851	ug/L	0.4183	4.246	63.98
Cr2677_A		74.91	ug/L	0.6711	0.8958	953.4
Cu3273_A		51.35	ug/L	1.443	2.811	537.7
Fe2599_R	W	82,060	ug/L	252.5	0.3077	100,300
K_7664_R		3,027	ug/L	25.94	0.8572	1,343
Li6707_R		53.87	ug/L	1.317	2.444	471.8
Mg2025_A		5,836	ug/L	5.687	0.09745	960.6
Mn2576_R		612.7	ug/L	5.501	0.8977	3,642
Mo2020_A		2.073	ug/L	0.1354	6.533	6.084
Na5895_R		369.3	ug/L	18.19	4.924	330.4
Ni2316_A		43.13	ug/L	0.03523	0.08170	71.15
Pb2203_A		252.5	ug/L	0.2586	0.1025	209.8
Sb2068_A		1.609	ug/L	0.5316	33.04	2.589
Se1960_A		2.821	ug/L	0.1124	3.985	1.476
Si2516_R		2,974	ug/L	50.59	1.701	855.7
Sn1899_A		26.90	ug/L	0.7711	2.866	11.53
Sr4215_R		44.38	ug/L	0.1302	0.2934	1,766
Ti3349_A	W	3,524	ug/L	44.24	1.255	85,510
Tl1908_A		0.8512	ug/L	0.007272	0.8544	-1.403
V_2924_A		227.8	ug/L	2.021	0.8870	2,977
Zn2062_A		130.1	ug/L	0.5795	0.4453	383.3
Y_3600_R		12,955	Cts/S	102.40	0.79040	12,955
Y_2243_A		6,759.1	Cts/S	5.8933	0.087191	6,759.1
Y_3600_A		188,040	Cts/S	972.10	0.51696	188,040

SG4772-010

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:00:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.706	ug/L	0.5949	21.99	-386.5
Al3961_R	W	55,620	ug/L	616.9	1.109	28,170
As1891_A		22.22	ug/L	2.228	10.03	4.044
Au2427_A		4.138	ug/L	0.6604	15.96	49.05
B_2089_A		8.737	ug/L	0.3472	3.974	11.32
Ba4554_R		133.3	ug/L	1.747	1.311	4,229
Be3130_R		2.462	ug/L	0.1070	4.345	10.13
Ca3158_R		3,373	ug/L	31.29	0.9277	2,771
Cd2265_A		1.702	ug/L	0.04689	2.755	48.91
Co2286_A		11.37	ug/L	0.1041	0.9153	66.61
Cr2677_A		66.05	ug/L	0.1464	0.2217	849.4
Cu3273_A		58.27	ug/L	0.2649	0.4546	633.4
Fe2599_R	W	62,900	ug/L	536.3	0.8526	77,300
K_7664_R		2,880	ug/L	42.30	1.469	1,285
Li6707_R		47.08	ug/L	0.6280	1.334	424.2
Mg2025_A		6,320	ug/L	21.84	0.3455	1,040
Mn2576_R		946.7	ug/L	9.774	1.032	5,652
Mo2020_A		1.647	ug/L	0.1191	7.231	5.369

SG4772-010

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:00:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		375.2	ug/L	0.8179	0.2180	339.2
Ni2316_A		42.62	ug/L	0.5057	1.187	71.95
Pb2203_A		281.0	ug/L	0.4249	0.1512	235.2
Sb2068_A		0.006267	ug/L	0.7875	12,570	1.950
Se1960_A		1.061	ug/L	2.390	225.3	1.130
Si2516_R		3,217	ug/L	25.34	0.7877	930.4
Sn1899_A		25.03	ug/L	1.087	4.342	10.76
Sr4215_R		32.91	ug/L	0.1373	0.4173	1,307
Ti3349_A	W	3,307	ug/L	7.992	0.2416	80,990
Tl1908_A		1.080	ug/L	1.528	141.4	-1.450
V_2924_A		179.8	ug/L	1.284	0.7144	2,359
Zn2062_A		152.8	ug/L	0.3132	0.2050	449.8
Y_3600_R		13,022	Cts/S	61.762	0.47428	13,022
Y_2243_A		6,760.7	Cts/S	14.792	0.21879	6,760.7
Y_3600_A		189,770	Cts/S	171.21	0.090217	189,770

SG4772-010L

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:04:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.358	ug/L	0.7086	52.19	-98.74
Al3961_R		57,550	ug/L	835.9	1.452	5,721
As1891_A		23.20	ug/L	1.289	5.555	-0.1775
Au2427_A		-1.321	ug/L	2.969	224.8	6.959
B_2089_A		2.293	ug/L	1.418	61.85	4.351
Ba4554_R		133.9	ug/L	0.4263	0.3184	844.3
Be3130_R		2.345	ug/L	0.2399	10.23	-5.243
Ca3158_R		3,482	ug/L	78.54	2.255	555.4
Cd2265_A		1.613	ug/L	0.4320	26.79	9.711
Co2286_A		12.03	ug/L	0.8251	6.856	17.90
Cr2677_A		67.59	ug/L	0.6179	0.9142	182.1
Cu3273_A		62.39	ug/L	2.874	4.606	162.8
Fe2599_R		65,420	ug/L	735.8	1.125	15,790
K_7664_R		2,882	ug/L	136.8	4.747	257.9
Li6707_R		27.15	ug/L	0.7948	2.927	115.3
Mg2025_A		6,631	ug/L	15.29	0.2306	216.9
Mn2576_R		970.7	ug/L	5.972	0.6152	1,139
Mo2020_A		-3.225	ug/L	0.1724	5.345	1.470
Na5895_R		466.5	ug/L	53.92	11.56	-3.644
Ni2316_A		45.72	ug/L	1.858	4.065	14.61
Pb2203_A		289.4	ug/L	8.699	3.006	49.00
Sb2068_A		-4.325	ug/L	1.886	43.60	1.258
Se1960_A		0.2314	ug/L	3.425	1,480	0.6087
Si2516_R		3,353	ug/L	130.2	3.882	196.9
Sn1899_A		25.73	ug/L	4.973	19.33	2.527
Sr4215_R		34.98	ug/L	0.6940	1.984	244.7
Ti3349_A		3,281	ug/L	16.20	0.4938	16,300
Tl1908_A		-2.752	ug/L	4.752	172.7	-0.3740
V_2924_A		179.1	ug/L	3.443	1.923	474.5
Zn2062_A		155.7	ug/L	0.06096	0.03914	93.28
Y_3600_R		12,788	Cts/S	172.54	1.3492	12,788
Y_2243_A		6,756.2	Cts/S	11.769	0.17419	6,756.2
Y_3600_A		192,710	Cts/S	1,058.3	0.54919	192,710

SG4772-010A

Method Name: K6010-2011 Method Revision: 824

SG4772-010A

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:09:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		173.8	ug/L	25.12	14.45	2,674
Al3961_R	W	57,720	ug/L	1,255	2.175	29,290
As1891_A		589.6	ug/L	254.4	43.15	167.3
Au2427_A		4.616	ug/L	1.060	22.96	50.93
B_2089_A		580.5	ug/L	269.9	46.50	500.6
Ba4554_R		282.4	ug/L	14.94	5.292	8,957
Be3130_R		174.0	ug/L	13.62	7.823	11,480
Ca3158_R		6,150	ug/L	201.6	3.278	5,066
Cd2265_A	^	0.0000	ug/L	0.0000	0.0000	5,643
Co2286_A		612.0	ug/L	243.6	39.80	1,920
Cr2677_A		311.8	ug/L	27.59	8.849	3,970
Cu3273_A		273.6	ug/L	28.11	10.28	3,252
Fe2599_R	W	65,300	ug/L	1,265	1.937	80,380
K_7664_R		5,816	ug/L	357.9	6.154	2,590
Li6707_R		174.4	ug/L	13.80	7.912	1,364
Mg2025_A		12,010	ug/L	1,321	11.00	1,982
Mn2576_R	W	1,099	ug/L	26.22	2.387	6,569
Mo2020_A		596.8	ug/L	244.7	41.00	1,017
Na5895_R		2,519	ug/L	181.9	7.221	2,950
Ni2316_A		623.0	ug/L	236.1	37.90	1,133
Pb2203_A		870.8	ug/L	266.3	30.58	727.7
Sb2068_A		576.2	ug/L	240.0	41.64	185.3
Se1960_A		550.9	ug/L	268.5	48.75	91.28
Si2516_R		3,181	ug/L	38.44	1.208	923.7
Sn1899_A		23.97	ug/L	0.4024	1.679	10.23
Sr4215_R		181.6	ug/L	13.45	7.404	7,387
Ti3349_A	W	3,478	ug/L	29.30	0.8425	85,090
Tl1908_A		578.6	ug/L	260.9	45.09	243.9
V_2924_A		406.7	ug/L	30.86	7.587	5,252
Zn2062_A		733.3	ug/L	245.1	33.43	2,130
Y_3600_R		13,045	Cts/S	167.74	1.2858	13,045
Y_2243_A		6,701.6	Cts/S	54.554	0.81405	6,701.6
Y_3600_A		189,570	Cts/S	745.68	0.39335	189,570

SG4772-010P

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:13:28PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.04	ug/L	0.1854	0.3562	472.1
Al3961_R	W	66,910	ug/L	630.8	0.9426	33,620
As1891_A		119.5	ug/L	0.3014	0.2522	32.27
Au2427_A		6.094	ug/L	1.474	24.18	53.64
B_2089_A		493.7	ug/L	0.5407	0.1095	422.6
Ba4554_R	W	2,159	ug/L	22.19	1.028	67,760
Be3130_R		54.68	ug/L	0.3627	0.6634	3,421
Ca3158_R		7,774	ug/L	81.45	1.048	6,345
Cd2265_A		254.3	ug/L	0.09579	0.03766	2,865
Co2286_A		520.1	ug/L	0.4749	0.09131	1,655
Cr2677_A		278.5	ug/L	1.437	0.5159	3,531
Cu3273_A		318.7	ug/L	1.763	0.5532	3,747
Fe2599_R	W	65,590	ug/L	710.6	1.083	79,960
K_7664_R		14,210	ug/L	135.6	0.9542	6,260
Li6707_R		543.1	ug/L	4.155	0.7651	4,045
Mg2025_A		11,750	ug/L	3.981	0.03387	1,945
Mn2576_R	W	1,624	ug/L	19.20	1.182	9,615
Mo2020_A		299.2	ug/L	0.008110	0.002711	514.0

SG4772-010P

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:13:28PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,854	ug/L	47.83	0.6091	9,358
Ni2316_A		536.4	ug/L	0.1887	0.03519	980.1
Pb2203_A		396.3	ug/L	1.840	0.4644	330.3
Sb2068_A		56.93	ug/L	0.1888	0.3317	19.07
Se1960_A		102.1	ug/L	0.1188	0.1164	17.90
Si2516_R		4,383	ug/L	51.74	1.180	1,256
Sn1899_A		518.8	ug/L	0.2778	0.05354	214.2
Sr4215_R		535.8	ug/L	5.499	1.026	21,660
Ti3349_A	W	4,633	ug/L	24.96	0.5387	112,800
Tl1908_A		102.7	ug/L	0.9329	0.9081	41.13
V_2924_A		695.0	ug/L	5.424	0.7805	9,020
Zn2062_A		654.0	ug/L	0.4866	0.07440	1,911
Y_3600_R		12,919	Cts/S	8.5746	0.066374	12,919
Y_2243_A		6,732.5	Cts/S	12.198	0.18117	6,732.5
Y_3600_A		188,680	Cts/S	1,205.0	0.63865	188,680

CCV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:17:52PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		491.1	ug/L	1.502	0.3058	8,581
Al3961_R		12,820	ug/L	5.785	0.04512	6,339
As1891_A		491.4	ug/L	3.159	0.6429	138.6
Au2427_A		504.4	ug/L	4.913	0.9740	1,439
B_2089_A		500.5	ug/L	2.772	0.5538	428.2
Ba4554_R		503.7	ug/L	2.490	0.4943	15,540
Be3130_R		513.3	ug/L	0.2931	0.05710	33,390
Ca3158_R		12,380	ug/L	12.58	0.1016	9,934
Cd2265_A		511.8	ug/L	4.163	0.8135	5,616
Co2286_A		512.4	ug/L	4.885	0.9535	1,574
Cr2677_A		512.4	ug/L	0.7195	0.1404	6,405
Cu3273_A		513.0	ug/L	2.985	0.5820	6,158
Fe2599_R		12,910	ug/L	7.526	0.05828	15,480
K_7664_R		12,660	ug/L	106.9	0.8448	5,479
Li6707_R		497.8	ug/L	1.564	0.3143	3,650
Mg2025_A		12,250	ug/L	99.33	0.8108	1,995
Mn2576_R		519.9	ug/L	4.861	0.9349	3,024
Mo2020_A		515.6	ug/L	5.337	1.035	870.1
Na5895_R		12,570	ug/L	120.3	0.9576	14,780
Ni2316_A		498.6	ug/L	3.764	0.7550	901.3
Pb2203_A		517.3	ug/L	7.015	1.356	429.3
Sb2068_A		493.8	ug/L	3.420	0.6925	156.6
Se1960_A		492.1	ug/L	1.769	0.3594	80.55
Si2516_R		13,060	ug/L	74.56	0.5709	3,662
Sn1899_A		516.1	ug/L	3.586	0.6950	209.7
Sr4215_R		498.3	ug/L	1.044	0.2096	19,790
Ti3349_A		511.3	ug/L	0.9779	0.1912	12,290
Tl1908_A		511.5	ug/L	4.748	0.9283	214.9
V_2924_A		511.5	ug/L	0.6479	0.1267	6,499
Zn2062_A		502.8	ug/L	3.615	0.7190	1,445
Y_3600_R		12,694	Cts/S	61.336	0.48318	12,694
Y_2243_A		6,625.8	Cts/S	43.052	0.64976	6,625.8
Y_3600_A		186,370	Cts/S	223.20	0.11976	186,370

CCB

Method Name: K6010-2011 Method Revision: 824

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:22:12PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.01319	ug/L	0.1711	1,298	-15.34
Al3961_R		-2.904	ug/L	4.969	171.1	-5.158
As1891_A		2.431	ug/L	1.182	48.63	-0.5798
Au2427_A		1.428	ug/L	0.7193	50.39	4.105
B_2089_A		0.02067	ug/L	0.1303	630.6	3.969
Ba4554_R		-0.3999	ug/L	0.4028	100.7	0.005448
Be3130_R		-0.03749	ug/L	0.09141	243.8	-9.896
Ca3158_R		-0.3175	ug/L	6.230	1,962	-8.281
Cd2265_A		-0.07938	ug/L	0.06908	87.02	-0.9640
Co2286_A		-0.09826	ug/L	0.05638	57.38	4.895
Cr2677_A		-0.2409	ug/L	0.4705	195.3	3.797
Cu3273_A		0.5724	ug/L	0.6877	120.1	36.49
Fe2599_R		2.750	ug/L	1.953	71.01	12.78
K_7664_R		-93.52	ug/L	15.27	16.33	-34.17
Li6707_R		0.1074	ug/L	1.905	1,773	77.49
Mg2025_A		3.413	ug/L	5.880	172.3	-0.9978
Mn2576_R		-0.3521	ug/L	0.2427	68.95	-1.466
Mo2020_A		0.1419	ug/L	0.5267	371.1	2.799
Na5895_R		-7.316	ug/L	1.116	15.25	-124.6
Ni2316_A		0.5035	ug/L	0.006139	1.219	-0.1541
Pb2203_A		-0.8832	ug/L	0.6626	75.02	0.01273
Sb2068_A		-1.193	ug/L	1.205	101.0	1.031
Se1960_A		0.1994	ug/L	2.601	1,305	0.5362
Si2516_R		10.27	ug/L	12.82	124.8	11.18
Sn1899_A		0.5254	ug/L	0.6227	118.5	0.6099
Sr4215_R		0.1485	ug/L	0.09337	62.86	-29.98
Ti3349_A		0.7973	ug/L	0.02443	3.064	0.2746
Tl1908_A		0.8541	ug/L	1.002	117.3	0.6644
V_2924_A		0.03185	ug/L	0.02409	75.63	-3.012
Zn2062_A		0.003260	ug/L	0.1042	3,196	2.052
Y_3600_R		12,878	Cts/S	198.57	1.5419	12,878
Y_2243_A		6,683.2	Cts/S	1.9492	0.029166	6,683.2
Y_3600_A		191,430	Cts/S	840.34	0.43897	191,430

SG4772-010S

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:26:44PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.57	ug/L	0.7395	1.434	479.4
Al3961_R	W	65,550	ug/L	647.0	0.9871	33,050
As1891_A		119.9	ug/L	1.637	1.365	32.32
Au2427_A		6.427	ug/L	0.3022	4.703	53.16
B_2089_A		498.8	ug/L	0.2042	0.04093	425.6
Ba4554_R	W	2,146	ug/L	9.496	0.4424	67,600
Be3130_R		54.79	ug/L	0.3281	0.5989	3,450
Ca3158_R		7,648	ug/L	45.06	0.5891	6,264
Cd2265_A		257.6	ug/L	0.9605	0.3729	2,891
Co2286_A		525.1	ug/L	1.150	0.2189	1,664
Cr2677_A		278.5	ug/L	0.3570	0.1282	3,533
Cu3273_A		316.2	ug/L	0.1511	0.04778	3,724
Fe2599_R	W	63,340	ug/L	466.8	0.7370	77,480
K_7664_R		14,050	ug/L	37.38	0.2659	6,213
Li6707_R		543.3	ug/L	3.142	0.5782	4,061
Mg2025_A		11,510	ug/L	20.97	0.1822	1,900
Mn2576_R	W	1,576	ug/L	2.872	0.1823	9,359
Mo2020_A		304.2	ug/L	0.7713	0.2535	521.0

SG4772-010S

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:26:44PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,876	ug/L	2.959	0.03757	9,417
Ni2316_A		540.7	ug/L	0.8636	0.1597	985.2
Pb2203_A		364.7	ug/L	1.578	0.4326	302.7
Sb2068_A		59.57	ug/L	1.117	1.875	19.79
Se1960_A		103.7	ug/L	0.04938	0.04761	18.09
Si2516_R		4,687	ug/L	17.04	0.3636	1,347
Sn1899_A		531.0	ug/L	1.176	0.2214	218.6
Sr4215_R		536.1	ug/L	3.755	0.7004	21,750
Ti3349_A	W	4,426	ug/L	3.931	0.08882	107,800
Tl1908_A		100.9	ug/L	0.8332	0.8258	40.36
V_2924_A		690.3	ug/L	0.6372	0.09230	8,962
Zn2062_A		646.8	ug/L	0.9424	0.1457	1,884
Y_3600_R		12,962	Cts/S	33.385	0.25756	12,962
Y_2243_A		6,711.2	Cts/S	18.239	0.27177	6,711.2
Y_3600_A		188,750	Cts/S	681.53	0.36108	188,750

SG4772-011

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:31:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.732	ug/L	0.9076	33.22	-430.1
Al3961_R	W	58,840	ug/L	719.3	1.223	30,300
As1891_A		25.58	ug/L	0.8533	3.335	4.966
Au2427_A		3.648	ug/L	1.163	31.88	51.65
B_2089_A		10.10	ug/L	0.01927	0.1908	12.58
Ba4554_R		149.2	ug/L	2.209	1.481	4,813
Be3130_R		2.652	ug/L	0.0001260	0.004751	18.23
Ca3158_R		3,404	ug/L	41.99	1.234	2,844
Cd2265_A		1.890	ug/L	0.02027	1.072	53.79
Co2286_A		12.68	ug/L	0.01117	0.08803	72.24
Cr2677_A		70.50	ug/L	0.9485	1.345	927.8
Cu3273_A		63.20	ug/L	2.034	3.218	706.4
Fe2599_R	W	68,190	ug/L	827.5	1.214	85,220
K_7664_R		2,935	ug/L	63.53	2.164	1,331
Li6707_R		50.47	ug/L	2.461	4.877	456.8
Mg2025_A		6,692	ug/L	1.861	0.02781	1,111
Mn2576_R		896.4	ug/L	10.87	1.213	5,443
Mo2020_A		2.418	ug/L	0.2490	10.29	6.746
Na5895_R		479.7	ug/L	7.878	1.642	474.2
Ni2316_A		48.35	ug/L	0.3399	0.7029	82.73
Pb2203_A		381.6	ug/L	3.570	0.9356	322.9
Sb2068_A		0.6151	ug/L	0.7213	117.3	2.188
Se1960_A		2.285	ug/L	0.1664	7.281	1.363
Si2516_R		2,338	ug/L	14.52	0.6209	689.7
Sn1899_A		29.29	ug/L	0.3577	1.221	12.62
Sr4215_R		34.48	ug/L	0.5978	1.734	1,395
Ti3349_A	W	3,418	ug/L	39.76	1.163	85,710
Tl1908_A		1.848	ug/L	0.7236	39.15	-1.144
V_2924_A		187.5	ug/L	2.750	1.466	2,523
Zn2062_A		155.8	ug/L	0.6865	0.4408	462.2
Y_3600_R		13,245	Cts/S	19.066	0.14395	13,245
Y_2243_A		6,815.0	Cts/S	0.68229	0.010012	6,815.0
Y_3600_A		194,340	Cts/S	2,723.7	1.4015	194,340

SG4772-012

Method Name: K6010-2011 Method Revision: 824

SG4772-012

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:35:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.384	ug/L	0.06835	2.867	-567.9
Al3961_R	W	70,970	ug/L	481.9	0.6791	35,700
As1891_A		26.10	ug/L	0.6772	2.594	4.672
Au2427_A		6.936	ug/L	1.489	21.47	71.95
B_2089_A		4.422	ug/L	0.07079	1.601	7.656
Ba4554_R		130.4	ug/L	0.5639	0.4326	4,109
Be3130_R		4.038	ug/L	0.1564	3.872	51.65
Ca3158_R		7,326	ug/L	53.47	0.7299	5,986
Cd2265_A		0.3948	ug/L	0.1422	36.01	46.77
Co2286_A		37.95	ug/L	0.1568	0.4131	159.4
Cr2677_A		94.68	ug/L	0.3048	0.3219	1,208
Cu3273_A		57.99	ug/L	0.3514	0.6059	581.5
Fe2599_R	W	89,710	ug/L	872.8	0.9729	109,500
K_7664_R		9,342	ug/L	79.15	0.8473	4,123
Li6707_R		115.1	ug/L	0.3999	0.3474	918.9
Mg2025_A		19,570	ug/L	35.08	0.1792	3,209
Mn2576_R	W	1,510	ug/L	6.833	0.4525	8,953
Mo2020_A		0.6181	ug/L	0.1283	20.76	3.599
Na5895_R		546.8	ug/L	0.4302	0.07867	544.2
Ni2316_A		88.57	ug/L	0.3367	0.3802	153.7
Pb2203_A		44.81	ug/L	0.4364	0.9739	33.66
Sb2068_A		0.3076	ug/L	2.305	749.4	2.246
Se1960_A		-1.696	ug/L	0.01241	0.7318	0.8784
Si2516_R		3,931	ug/L	37.89	0.9637	1,127
Sn1899_A		29.08	ug/L	1.257	4.323	12.38
Sr4215_R		36.80	ug/L	0.3080	0.8370	1,456
Ti3349_A	W	4,674	ug/L	31.49	0.6737	113,800
Tl1908_A		2.033	ug/L	0.7637	37.57	-2.031
V_2924_A		151.8	ug/L	0.7785	0.5127	1,976
Zn2062_A		182.4	ug/L	0.3523	0.1931	534.1
Y_3600_R		12,934	Cts/S	79.717	0.61634	12,934
Y_2243_A		6,728.2	Cts/S	11.343	0.16859	6,728.2
Y_3600_A		188,730	Cts/S	273.85	0.14510	188,730

SG4772-013

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:40:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.9671	ug/L	0.8057	83.31	-250.4
Al3961_R		22,160	ug/L	415.1	1.873	11,190
As1891_A		33.04	ug/L	0.9564	2.895	7.743
Au2427_A		1.406	ug/L	0.5207	37.04	27.39
B_2089_A		9.806	ug/L	0.03571	0.3642	12.46
Ba4554_R		180.1	ug/L	1.059	0.5878	5,696
Be3130_R		0.7511	ug/L	0.06695	8.913	-52.62
Ca3158_R		3,400	ug/L	22.57	0.6638	2,786
Cd2265_A		2.257	ug/L	0.06558	2.905	43.39
Co2286_A		9.092	ug/L	0.07932	0.8725	51.41
Cr2677_A		55.13	ug/L	0.3981	0.7222	725.8
Cu3273_A		54.12	ug/L	0.2496	0.4612	631.4
Fe2599_R	W	36,670	ug/L	534.4	1.457	44,960
K_7664_R		2,679	ug/L	27.34	1.021	1,192
Li6707_R		10.20	ug/L	0.3669	3.598	152.2
Mg2025_A		3,304	ug/L	2.875	0.08701	549.7
Mn2576_R		185.3	ug/L	1.653	0.8921	1,106
Mo2020_A		5.174	ug/L	0.09311	1.800	11.54

SG4772-013

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:40:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,204	ug/L	12.78	1.061	1,343
Ni2316_A		64.40	ug/L	0.4767	0.7403	115.9
Pb2203_A		945.4	ug/L	3.234	0.3421	811.3
Sb2068_A		3.542	ug/L	0.3439	9.709	2.801
Se1960_A		2.835	ug/L	0.4655	16.42	1.196
Si2516_R		2,755	ug/L	33.60	1.220	796.4
Sn1899_A		34.63	ug/L	1.074	3.101	14.90
Sr4215_R		59.19	ug/L	1.159	1.958	2,374
Ti3349_A	W	2,215	ug/L	5.458	0.2464	55,530
Tl1908_A		0.3148	ug/L	0.9106	289.3	-0.8346
V_2924_A		232.3	ug/L	0.3766	0.1621	3,136
Zn2062_A		234.9	ug/L	0.04592	0.01954	698.9
Y_3600_R		12,991	Cts/S	71.596	0.55114	12,991
Y_2243_A		6,839.4	Cts/S	10.837	0.15844	6,839.4
Y_3600_A		194,280	Cts/S	794.03	0.40871	194,280

SG4772-014

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:44:27PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.814	ug/L	0.1671	5.937	-478.8
Al3961_R	W	54,180	ug/L	67.24	0.1241	27,270
As1891_A		37.37	ug/L	1.381	3.697	8.258
Au2427_A		3.524	ug/L	1.758	49.89	57.43
B_2089_A		7.677	ug/L	0.9266	12.07	10.58
Ba4554_R		142.5	ug/L	0.5640	0.3957	4,494
Be3130_R		2.543	ug/L	0.1067	4.197	-11.96
Ca3158_R		6,324	ug/L	34.01	0.5377	5,171
Cd2265_A		0.9544	ug/L	0.1037	10.87	47.68
Co2286_A		21.77	ug/L	0.5699	2.617	105.2
Cr2677_A		87.60	ug/L	0.07286	0.08318	1,121
Cu3273_A		75.43	ug/L	0.3021	0.4004	818.4
Fe2599_R	W	77,260	ug/L	344.6	0.4460	94,370
K_7664_R		5,692	ug/L	13.03	0.2290	2,516
Li6707_R		75.78	ug/L	0.8830	1.165	631.8
Mg2025_A		12,250	ug/L	244.9	1.998	2,036
Mn2576_R		851.8	ug/L	6.699	0.7865	5,055
Mo2020_A		3.469	ug/L	0.2193	6.322	8.540
Na5895_R		569.7	ug/L	18.33	3.217	572.2
Ni2316_A		76.22	ug/L	0.8828	1.158	133.9
Pb2203_A		620.4	ug/L	9.351	1.507	528.5
Sb2068_A		0.7571	ug/L	0.7239	95.61	2.254
Se1960_A		-0.5465	ug/L	2.147	392.9	0.9271
Si2516_R		2,522	ug/L	47.04	1.865	726.5
Sn1899_A		30.29	ug/L	1.209	3.990	13.05
Sr4215_R		45.74	ug/L	0.01394	0.03047	1,820
Ti3349_A	W	3,967	ug/L	12.17	0.3068	96,960
Tl1908_A		1.743	ug/L	1.836	105.4	-1.487
V_2924_A		283.0	ug/L	0.1158	0.04091	3,717
Zn2062_A		195.3	ug/L	3.518	1.801	579.5
Y_3600_R		12,944	Cts/S	14.860	0.11480	12,944
Y_2243_A		6,820.6	Cts/S	95.545	1.4008	6,820.6
Y_3600_A		189,400	Cts/S	336.90	0.17788	189,400

SG4772-015

Method Name: K6010-2011 Method Revision: 824

SG4772-015

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:48:54PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.9717	ug/L	0.2186	22.50	-122.0
Al3961_R	W	29,020	ug/L	151.3	0.5213	15,220
As1891_A		13.85	ug/L	0.07849	0.5667	2.490
Au2427_A		0.8076	ug/L	0.5387	66.70	13.60
B_2089_A		6.478	ug/L	0.7191	11.10	9.715
Ba4554_R		89.43	ug/L	0.3229	0.3611	2,944
Be3130_R		4.983	ug/L	0.02901	0.5822	278.1
Ca3158_R		4,384	ug/L	9.956	0.2271	3,734
Cd2265_A		0.9076	ug/L	0.01236	1.361	19.25
Co2286_A		8.707	ug/L	0.2269	2.606	43.46
Cr2677_A		40.45	ug/L	0.5452	1.348	546.0
Cu3273_A		49.45	ug/L	0.4620	0.9343	620.0
Fe2599_R		17,430	ug/L	135.0	0.7744	22,190
K_7664_R		1,312	ug/L	0.08010	0.006105	610.2
Li6707_R		6.029	ug/L	1.256	20.84	126.2
Mg2025_A		2,059	ug/L	3.790	0.1841	347.7
Mn2576_R		116.0	ug/L	0.1369	0.1180	718.8
Mo2020_A		2.031	ug/L	0.3366	16.58	6.227
Na5895_R		488.7	ug/L	7.668	1.569	494.4
Ni2316_A		34.27	ug/L	0.1955	0.5705	62.34
Pb2203_A		557.3	ug/L	0.6460	0.1159	484.5
Sb2068_A		2.698	ug/L	0.09786	3.627	2.588
Se1960_A		4.123	ug/L	0.3218	7.804	1.338
Si2516_R		1,946	ug/L	0.04188	0.002152	587.1
Sn1899_A		28.17	ug/L	0.03290	0.1168	12.40
Sr4215_R		82.40	ug/L	0.2144	0.2602	3,448
Ti3349_A	W	1,285	ug/L	1.093	0.08507	32,920
Tl1908_A		0.2796	ug/L	0.2903	103.8	-0.2241
V_2924_A		80.34	ug/L	0.1974	0.2457	1,108
Zn2062_A		68.93	ug/L	0.05948	0.08629	209.8
Y_3600_R		13,491	Cts/S	69.849	0.51773	13,491
Y_2243_A		6,951.0	Cts/S	14.812	0.21310	6,951.0
Y_3600_A		198,600	Cts/S	339.07	0.17073	198,600

SG4772-016

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:53:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.123	ug/L	0.1046	2.538	-507.1
Al3961_R	W	53,850	ug/L	259.9	0.4826	27,120
As1891_A		48.68	ug/L	1.133	2.328	11.45
Au2427_A		3.385	ug/L	0.8962	26.48	60.41
B_2089_A		20.29	ug/L	0.2357	1.162	21.21
Ba4554_R		622.0	ug/L	3.431	0.5516	19,580
Be3130_R		2.812	ug/L	0.07411	2.636	-3.672
Ca3158_R		6,351	ug/L	18.80	0.2961	5,196
Cd2265_A		1.928	ug/L	0.008209	0.4257	61.66
Co2286_A		10.07	ug/L	0.2288	2.271	70.13
Cr2677_A		84.47	ug/L	1.865	2.208	1,102
Cu3273_A		86.13	ug/L	2.082	2.417	958.3
Fe2599_R	W	83,790	ug/L	342.8	0.4091	102,400
K_7664_R		3,236	ug/L	16.37	0.5057	1,435
Li6707_R		39.87	ug/L	4.105	10.30	369.3
Mg2025_A		5,829	ug/L	8.334	0.1430	968.0
Mn2576_R	W	1,057	ug/L	5.384	0.5095	6,275
Mo2020_A		5.014	ug/L	0.1667	3.325	11.21

SG4772-016

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:53:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		584.6	ug/L	33.48	5.728	590.5
Ni2316_A		83.06	ug/L	0.3972	0.4782	146.0
Pb2203_A	W	3,307	ug/L	4.479	0.1354	2,829
Sb2068_A		4.003	ug/L	0.6087	15.21	3.286
Se1960_A		2.976	ug/L	0.2122	7.131	1.571
Si2516_R		3,229	ug/L	50.48	1.563	928.5
Sn1899_A		34.17	ug/L	0.4605	1.348	14.67
Sr4215_R		75.59	ug/L	0.009338	0.01235	3,033
Ti3349_A	W	4,177	ug/L	91.52	2.191	104,000
Tl1908_A		1.222	ug/L	1.932	158.0	-1.991
V_2924_A		282.5	ug/L	6.366	2.254	3,774
Zn2062_A		173.0	ug/L	0.5825	0.3367	513.3
Y_3600_R		12,953	Cts/S	91.268	0.70462	12,953
Y_2243_A		6,818.3	Cts/S	2.7798	0.040769	6,818.3
Y_3600_A		192,900	Cts/S	2,769.8	1.4358	192,900

SG4772-017

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 6:57:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.236	ug/L	0.6410	28.67	-333.2
Al3961_R	W	30,500	ug/L	402.6	1.320	15,280
As1891_A		38.95	ug/L	1.689	4.335	9.131
Au2427_A		2.196	ug/L	1.420	64.63	38.51
B_2089_A		9.782	ug/L	0.4007	4.097	12.28
Ba4554_R		292.2	ug/L	3.878	1.327	9,155
Be3130_R		1.604	ug/L	0.01100	0.6856	-23.94
Ca3158_R		3,493	ug/L	68.88	1.972	2,838
Cd2265_A		1.138	ug/L	0.01627	1.430	37.99
Co2286_A		7.278	ug/L	0.1554	2.135	50.08
Cr2677_A		50.87	ug/L	1.632	3.208	667.1
Cu3273_A		54.86	ug/L	1.889	3.444	616.8
Fe2599_R	W	52,780	ug/L	839.6	1.591	64,160
K_7664_R		2,115	ug/L	64.35	3.042	935.0
Li6707_R		19.39	ug/L	3.972	20.49	217.8
Mg2025_A		3,553	ug/L	2.359	0.06639	587.6
Mn2576_R		563.2	ug/L	7.922	1.407	3,327
Mo2020_A		2.461	ug/L	0.03142	1.276	6.809
Na5895_R		347.4	ug/L	8.227	2.368	302.1
Ni2316_A		44.57	ug/L	0.1722	0.3864	76.89
Pb2203_A	W	4,397	ug/L	5.270	0.1199	3,751
Sb2068_A		4.402	ug/L	0.4694	10.66	3.158
Se1960_A		2.739	ug/L	1.264	46.16	1.306
Si2516_R		3,292	ug/L	5.791	0.1759	941.9
Sn1899_A		28.61	ug/L	0.5303	1.853	12.31
Sr4215_R		39.58	ug/L	1.131	2.857	1,562
Ti3349_A	W	2,792	ug/L	82.89	2.969	69,550
Tl1908_A		1.260	ug/L	1.715	136.1	-0.9299
V_2924_A		156.0	ug/L	5.632	3.610	2,091
Zn2062_A		94.20	ug/L	0.2228	0.2365	279.6
Y_3600_R		12,882	Cts/S	55.691	0.43233	12,882
Y_2243_A		6,797.2	Cts/S	13.405	0.19721	6,797.2
Y_3600_A		193,160	Cts/S	5,143.8	2.6629	193,160

SG4772-018

Method Name: K6010-2011 Method Revision: 824

SG4772-018

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:02:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.735	ug/L	0.7377	42.51	-248.7
Al3961_R	W	28,350	ug/L	359.2	1.267	14,230
As1891_A		33.72	ug/L	0.1983	0.5882	7.820
Au2427_A		5.657	ug/L	1.135	20.06	33.30
B_2089_A		15.50	ug/L	0.1442	0.9304	17.02
Ba4554_R		609.7	ug/L	3.511	0.5759	19,130
Be3130_R		2.272	ug/L	0.02511	1.105	30.42
Ca3158_R		10,270	ug/L	81.27	0.7915	8,378
Cd2265_A		4.675	ug/L	0.03211	0.6868	71.11
Co2286_A		8.195	ug/L	0.2628	3.207	50.72
Cr2677_A		52.45	ug/L	0.2255	0.4298	687.6
Cu3273_A		50.73	ug/L	0.7990	1.575	572.3
Fe2599_R	W	38,540	ug/L	320.2	0.8307	46,950
K_7664_R		2,753	ug/L	6.393	0.2322	1,218
Li6707_R		11.50	ug/L	1.320	11.47	160.7
Mg2025_A		3,191	ug/L	4.742	0.1486	525.0
Mn2576_R	W	2,076	ug/L	13.44	0.6476	12,270
Mo2020_A		3.832	ug/L	0.3854	10.06	9.128
Na5895_R		503.4	ug/L	1.566	0.3110	490.8
Ni2316_A		91.05	ug/L	0.02366	0.02598	163.7
Pb2203_A	W	3,929	ug/L	6.536	0.1663	3,336
Sb2068_A		3.548	ug/L	1.019	28.73	2.811
Se1960_A		5.168	ug/L	0.01747	0.3381	1.825
Si2516_R		3,968	ug/L	37.45	0.9438	1,136
Sn1899_A		32.61	ug/L	0.05679	0.1742	13.90
Sr4215_R		84.69	ug/L	0.6407	0.7565	3,392
Ti3349_A	W	2,572	ug/L	6.102	0.2373	63,890
Tl1908_A		0.6025	ug/L	0.5322	88.32	-2.197
V_2924_A		164.2	ug/L	0.07032	0.04283	2,140
Zn2062_A		215.4	ug/L	0.2338	0.1085	633.9
Y_3600_R		12,909	Cts/S	44.103	0.34165	12,909
Y_2243_A		6,764.4	Cts/S	0.54951	0.0081235	6,764.4
Y_3600_A		192,560	Cts/S	194.41	0.10096	192,560

SG4772-019

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:06:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.783	ug/L	0.4265	15.33	-362.1
Al3961_R	W	33,500	ug/L	338.2	1.010	16,970
As1891_A		33.78	ug/L	1.041	3.082	7.540
Au2427_A		1.253	ug/L	0.5331	42.54	40.11
B_2089_A		8.120	ug/L	0.1966	2.421	10.92
Ba4554_R		223.7	ug/L	1.733	0.7747	7,093
Be3130_R		1.388	ug/L	0.03157	2.275	-60.69
Ca3158_R		3,503	ug/L	19.39	0.5536	2,879
Cd2265_A		1.207	ug/L	0.04262	3.530	41.85
Co2286_A		7.144	ug/L	0.08495	1.189	53.75
Cr2677_A		54.26	ug/L	0.1951	0.3596	708.0
Cu3273_A		84.64	ug/L	0.4379	0.5173	965.2
Fe2599_R	W	58,510	ug/L	518.8	0.8868	71,930
K_7664_R		2,126	ug/L	18.65	0.8771	950.5
Li6707_R		22.81	ug/L	0.3071	1.346	245.6
Mg2025_A		3,495	ug/L	2.975	0.08512	579.8
Mn2576_R		432.2	ug/L	2.650	0.6132	2,583
Mo2020_A		2.567	ug/L	0.04394	1.712	6.992

SG4772-019

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:06:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		399.7	ug/L	0.1133	0.02834	369.1
Ni2316_A		49.79	ug/L	0.05479	0.1100	86.30
Pb2203_A	W	2,493	ug/L	3.891	0.1561	2,132
Sb2068_A		2.268	ug/L	3.378	149.0	2.502
Se1960_A		2.366	ug/L	2.642	111.7	1.258
Si2516_R		3,506	ug/L	18.04	0.5144	1,014
Sn1899_A		28.84	ug/L	0.7769	2.694	12.44
Sr4215_R		39.98	ug/L	0.2583	0.6460	1,597
Ti3349_A	W	3,306	ug/L	3.024	0.09146	82,030
Tl1908_A		0.2319	ug/L	1.177	507.8	-1.554
V_2924_A		212.0	ug/L	0.6405	0.3021	2,837
Zn2062_A		97.93	ug/L	0.3644	0.3721	291.4
Y_3600_R		13,028	Cts/S	67.909	0.52127	13,028
Y_2243_A		6,815.7	Cts/S	7.4499	0.10930	6,815.7
Y_3600_A		192,300	Cts/S	53.705	0.027928	192,300

CCV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:11:12PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		486.5	ug/L	1.280	0.2630	8,538
Al3961_R		12,930	ug/L	262.8	2.033	6,305
As1891_A		494.8	ug/L	0.1243	0.02513	139.0
Au2427_A		512.6	ug/L	5.987	1.168	1,456
B_2089_A		505.2	ug/L	1.549	0.3066	430.4
Ba4554_R		504.1	ug/L	6.193	1.229	15,350
Be3130_R		519.3	ug/L	7.216	1.389	33,330
Ca3158_R		12,310	ug/L	101.6	0.8253	9,743
Cd2265_A		521.2	ug/L	1.944	0.3729	5,697
Co2286_A		518.4	ug/L	1.046	0.2017	1,586
Cr2677_A		511.0	ug/L	1.081	0.2115	6,417
Cu3273_A		514.4	ug/L	1.620	0.3148	6,204
Fe2599_R		13,110	ug/L	169.7	1.295	15,500
K_7664_R		12,720	ug/L	172.7	1.358	5,432
Li6707_R		495.2	ug/L	2.932	0.5920	3,583
Mg2025_A		12,180	ug/L	2.777	0.02280	1,976
Mn2576_R		524.2	ug/L	6.927	1.321	3,008
Mo2020_A		520.5	ug/L	3.320	0.6377	874.9
Na5895_R		12,540	ug/L	107.7	0.8589	14,550
Ni2316_A		499.7	ug/L	0.3465	0.06933	899.7
Pb2203_A		527.0	ug/L	2.323	0.4409	435.7
Sb2068_A		497.6	ug/L	1.859	0.3736	157.1
Se1960_A		498.0	ug/L	0.9457	0.1899	81.17
Si2516_R	W	13,260	ug/L	197.2	1.487	3,670
Sn1899_A		524.9	ug/L	2.813	0.5358	212.5
Sr4215_R		495.8	ug/L	5.368	1.083	19,430
Ti3349_A		510.1	ug/L	0.4888	0.09582	12,320
Tl1908_A		518.3	ug/L	0.5504	0.1062	216.9
V_2924_A		509.6	ug/L	1.375	0.2699	6,503
Zn2062_A		506.5	ug/L	1.979	0.3908	1,450
Y_3600_R		12,525	Cts/S	6.0766	0.048517	12,525
Y_2243_A		6,599.1	Cts/S	3.1079	0.047096	6,599.1
Y_3600_A		187,240	Cts/S	579.78	0.30965	187,240

CCB

Method Name: K6010-2011 Method Revision: 824

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:15:33PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.05149	ug/L	0.8211	1,595	-14.01
Al3961_R		-19.54	ug/L	3.319	16.98	-13.19
As1891_A		1.761	ug/L	0.5777	32.80	-0.7772
Au2427_A		-0.1287	ug/L	0.6293	489.1	-0.3620
B_2089_A		-0.7197	ug/L	0.1940	26.96	3.367
Ba4554_R		-0.1763	ug/L	0.07266	41.22	6.922
Be3130_R		0.06056	ug/L	0.1011	167.0	-3.355
Ca3158_R		4.727	ug/L	7.596	160.7	-4.018
Cd2265_A		-0.01914	ug/L	0.02369	123.8	-0.3014
Co2286_A		0.1366	ug/L	0.2336	171.0	5.653
Cr2677_A		0.2754	ug/L	0.09106	33.07	10.38
Cu3273_A		0.1727	ug/L	0.2510	145.3	31.53
Fe2599_R		1.673	ug/L	1.656	98.96	11.17
K_7664_R		-52.37	ug/L	0.2379	0.4543	-15.68
Li6707_R		-1.812	ug/L	0.5216	28.79	61.85
Mg2025_A		0.3144	ug/L	3.897	1,240	-1.506
Mn2576_R		-0.2784	ug/L	0.1678	60.28	-0.9979
Mo2020_A		-0.3439	ug/L	0.3279	95.35	1.987
Na5895_R		-16.07	ug/L	11.48	71.43	-131.8
Ni2316_A		0.4111	ug/L	0.09809	23.86	-0.3266
Pb2203_A		-0.07534	ug/L	0.07222	95.86	0.6975
Sb2068_A		-0.6370	ug/L	1.450	227.7	1.217
Se1960_A		2.428	ug/L	1.695	69.80	0.9084
Si2516_R		11.04	ug/L	21.35	193.4	11.13
Sn1899_A		0.4839	ug/L	0.1379	28.49	0.5973
Sr4215_R		0.2100	ug/L	0.3020	143.8	-26.88
Ti3349_A		0.4036	ug/L	0.1656	41.02	-9.471
Tl1908_A		1.045	ug/L	0.4128	39.50	0.7515
V_2924_A		-0.07282	ug/L	0.0003703	0.5085	-4.376
Zn2062_A		-0.06248	ug/L	0.08580	137.3	1.873
Y_3600_R		12,565	Cts/S	57.142	0.45477	12,565
Y_2243_A		6,730.1	Cts/S	36.644	0.54448	6,730.1
Y_3600_A		191,110	Cts/S	2,760.6	1.4445	191,110

SG4772-020

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:20:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.819	ug/L	0.2214	12.17	-328.8
Al3961_R	W	33,550	ug/L	60.89	0.1815	16,990
As1891_A		27.79	ug/L	0.5326	1.917	5.902
Au2427_A		1.186	ug/L	0.1801	15.19	35.77
B_2089_A		8.027	ug/L	0.1286	1.602	10.81
Ba4554_R		192.8	ug/L	0.9206	0.4774	6,112
Be3130_R		1.616	ug/L	0.09778	6.051	-16.85
Ca3158_R		1,766	ug/L	11.94	0.6762	1,447
Cd2265_A		0.7923	ug/L	0.04048	5.108	33.40
Co2286_A		6.586	ug/L	0.2552	3.875	46.94
Cr2677_A		43.07	ug/L	0.2445	0.5678	562.8
Cu3273_A		42.36	ug/L	0.04796	0.1132	464.3
Fe2599_R	W	51,350	ug/L	210.4	0.4097	63,100
K_7664_R		1,724	ug/L	31.44	1.824	771.6
Li6707_R		23.57	ug/L	0.7112	3.017	251.0
Mg2025_A		2,902	ug/L	4.529	0.1560	480.3
Mn2576_R		286.0	ug/L	0.7626	0.2666	1,710
Mo2020_A		2.260	ug/L	0.3998	17.69	6.458

SG4772-020

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:20:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		398.1	ug/L	2.979	0.7483	367.0
Ni2316_A		40.96	ug/L	0.3284	0.8017	70.37
Pb2203_A	W	1,430	ug/L	1.316	0.09204	1,220
Sb2068_A		1.735	ug/L	0.4628	26.67	2.281
Se1960_A		3.413	ug/L	3.424	100.3	1.378
Si2516_R		3,313	ug/L	47.80	1.443	958.0
Sn1899_A		29.26	ug/L	0.05641	0.1928	12.59
Sr4215_R		32.47	ug/L	0.1224	0.3768	1,289
Ti3349_A	W	2,659	ug/L	8.207	0.3086	65,900
Tl1908_A		1.265	ug/L	0.2534	20.03	-0.6558
V_2924_A		174.4	ug/L	0.3670	0.2104	2,333
Zn2062_A		92.60	ug/L	0.4126	0.4455	275.2
Y_3600_R		13,021	Cts/S	4.9591	0.038086	13,021
Y_2243_A		6,803.1	Cts/S	9.9436	0.14616	6,803.1
Y_3600_A		192,050	Cts/S	663.23	0.34534	192,050

CCV

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:24:31PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		487.3	ug/L	0.3314	0.06801	8,522
Al3961_R		12,850	ug/L	27.27	0.2122	6,315
As1891_A		496.9	ug/L	0.6843	0.1377	139.3
Au2427_A		514.0	ug/L	2.357	0.4586	1,458
B_2089_A		506.6	ug/L	0.7424	0.1465	430.8
Ba4554_R		505.3	ug/L	2.432	0.4812	15,500
Be3130_R		517.4	ug/L	1.334	0.2578	33,450
Ca3158_R		12,250	ug/L	31.39	0.2562	9,771
Cd2265_A		525.3	ug/L	0.06504	0.01238	5,731
Co2286_A		519.4	ug/L	1.368	0.2634	1,586
Cr2677_A		516.7	ug/L	1.021	0.1977	6,466
Cu3273_A		515.7	ug/L	1.139	0.2209	6,197
Fe2599_R		13,070	ug/L	29.83	0.2282	15,570
K_7664_R		12,700	ug/L	40.40	0.3182	5,463
Li6707_R		497.8	ug/L	1.944	0.3906	3,627
Mg2025_A		12,210	ug/L	48.27	0.3953	1,977
Mn2576_R		527.0	ug/L	3.987	0.7565	3,046
Mo2020_A		524.2	ug/L	1.792	0.3419	879.4
Na5895_R		12,560	ug/L	17.50	0.1394	14,680
Ni2316_A		501.8	ug/L	0.02208	0.004399	901.8
Pb2203_A	W	529.8	ug/L	3.343	0.6310	437.1
Sb2068_A		498.9	ug/L	2.035	0.4079	157.3
Se1960_A		504.9	ug/L	1.381	0.2736	82.13
Si2516_R	W	13,420	ug/L	93.83	0.6994	3,739
Sn1899_A	W	527.3	ug/L	0.8174	0.1550	213.0
Sr4215_R		495.8	ug/L	0.4998	0.1008	19,580
Ti3349_A		508.8	ug/L	0.2371	0.04660	12,240
Tl1908_A		518.7	ug/L	0.7528	0.1451	216.7
V_2924_A		510.8	ug/L	0.1554	0.03043	6,495
Zn2062_A		508.9	ug/L	1.254	0.2465	1,454
Y_3600_R		12,615	Cts/S	44.860	0.35560	12,615
Y_2243_A		6,586.6	Cts/S	29.474	0.44748	6,586.6
Y_3600_A		186,570	Cts/S	446.95	0.23956	186,570

CCB

Method Name: K6010-2011 Method Revision: 824

CCB

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:28:52PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.06525	ug/L	0.1454	222.9	-13.92
Al3961_R		-0.5996	ug/L	28.28	4,716	-4.088
As1891_A		1.567	ug/L	2.315	147.7	-0.8287
Au2427_A		0.7957	ug/L	0.5298	66.59	2.284
B_2089_A		-0.7877	ug/L	0.08860	11.25	3.285
Ba4554_R		-0.1929	ug/L	0.2664	138.1	6.580
Be3130_R		0.02184	ug/L	0.01240	56.77	-5.979
Ca3158_R		6.358	ug/L	3.656	57.50	-2.800
Cd2265_A		-0.09105	ug/L	0.02542	27.92	-1.090
Co2286_A		0.1074	ug/L	0.3937	366.6	5.511
Cr2677_A		0.2135	ug/L	0.08394	39.32	9.620
Cu3273_A		0.7498	ug/L	0.4533	60.45	38.69
Fe2599_R		2.823	ug/L	2.599	92.06	12.73
K_7664_R		-99.33	ug/L	8.990	9.051	-36.36
Li6707_R		-2.795	ug/L	3.970	142.0	55.99
Mg2025_A		3.789	ug/L	2.127	56.13	-0.9312
Mn2576_R		-0.4957	ug/L	0.2689	54.24	-2.274
Mo2020_A		-0.2304	ug/L	0.5522	239.6	2.158
Na5895_R		3.221	ug/L	8.284	257.2	-111.0
Ni2316_A		0.5927	ug/L	0.1857	31.33	0.009311
Pb2203_A		-0.1719	ug/L	0.5121	298.0	0.6066
Sb2068_A		-0.9053	ug/L	0.5656	62.48	1.122
Se1960_A		1.110	ug/L	0.3480	31.36	0.6837
Si2516_R		1.618	ug/L	2.857	176.5	8.687
Sn1899_A		0.2299	ug/L	1.045	454.4	0.4862
Sr4215_R		0.1936	ug/L	0.2751	142.1	-28.04
Ti3349_A		0.6927	ug/L	0.5570	80.42	-2.316
Tl1908_A		1.406	ug/L	1.382	98.26	0.8948
V_2924_A		-0.3400	ug/L	0.2683	78.90	-7.931
Zn2062_A		0.07709	ug/L	0.08384	108.8	2.260
Y_3600_R		12,779	Cts/S	159.16	1.2455	12,779
Y_2243_A		6,668.4	Cts/S	53.952	0.80907	6,668.4
Y_3600_A		191,630	Cts/S	9.6510	0.0050364	191,630

PQL

Method Name: K6010-2011 Method Revision: 824
Analyst Name: NAT
Acquire Date: 7/11/2013 7:33:24PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.08	ug/L	0.3954	3.924	169.9
Al3961_R		311.6	ug/L	8.264	2.652	151.4
As1891_A	F	10.49	ug/L	0.7696	7.335	1.740
Au2427_A		108.8	ug/L	0.3686	0.3389	312.3
B_2089_A		50.14	ug/L	1.181	2.355	45.57
Ba4554_R		4.574	ug/L	0.1699	3.715	154.5
Be3130_R		5.141	ug/L	0.1118	2.174	329.0
Ca3158_R		101.9	ug/L	2.306	2.263	74.45
Cd2265_A		5.337	ug/L	0.04874	0.9133	59.09
Co2286_A		10.72	ug/L	0.3806	3.549	38.41
Cr2677_A		10.04	ug/L	0.2811	2.800	137.9
Cu3273_A		26.76	ug/L	0.2519	0.9412	364.3
Fe2599_R		101.5	ug/L	2.870	2.827	131.7
K_7664_R		993.8	ug/L	31.14	3.133	439.4
Li6707_R		98.64	ug/L	0.5217	0.5289	788.9
Mg2025_A		106.0	ug/L	2.526	2.382	16.14
Mn2576_R		5.335	ug/L	0.6377	11.95	31.85
Mo2020_A		9.351	ug/L	0.2177	2.329	18.47

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Thermo ICAP 6500 **ANALYST:** NT **ANALYSIS DATE:** 7/12/13

FILE NAME: 1G612A

REVIEWED
EM 07-15-13
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal Blk, ICB, CCB	MW14314	7/9/13	7/9/14	0 ug/L
Cal Std	MW14306	7/8/13	10/3/13	varies by
ICV	MW14315	7/10/13	10/10/13	element
PQL	MW14305	7/8/13	10/3/13	↓
ICSA	MW14289	6/26/13	9/26/13	↓
ICSAB	MW14262	6/5/13	9/5/13	↓
LRS1	MW14292	6/27/13	7/3/13	↓
LRS2	MW14293	NT 7/15/13 ~~7/8/13~~ 6/27/13	7/3/13	↓
CCV	MW14304	7/8/13	10/3/13	↓
internal std	MW14277	6/19/13	9/19/13	5 mg/L Y

Additional Comments and Notes:

NT 7/15/13

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG12A	7/12/2013	14:39	NAT
Std 1	1.000	IGG12A	7/12/2013	14:44	NAT
ICV	1.000	IGG12A	7/12/2013	14:48	NAT
ICB	1.000	IGG12A	7/12/2013	14:52	NAT
PQL	1.000	IGG12A	7/12/2013	14:57	NAT
LRS1	1.000	IGG12A	7/12/2013	15:01	NAT
LRS2	1.000	IGG12A	7/12/2013	15:06	NAT
ICSA	1.000	IGG12A	7/12/2013	15:15	NAT
ICSAB	1.000	IGG12A	7/12/2013	15:20	NAT
CCV	1.000	IGG12A	7/12/2013	15:24	NAT
CCB	1.000	IGG12A	7/12/2013	15:28	NAT
SG4772-002	2.000	IGG12A	7/12/2013	15:33	NAT
LCSOGG11ICS1	1.000	IGG12A	7/12/2013	15:37	NAT
PBSGG11ICS1	1.000	IGG12A	7/12/2013	15:42	NAT
SG4789-001	1.000	IGG12A	7/12/2013	15:46	NAT
SG4789-002	1.000	IGG12A	7/12/2013	15:51	NAT
SG4789-002L	5.000	IGG12A	7/12/2013	15:55	NAT
SG4789-002A	1.000	IGG12A	7/12/2013	16:00	NAT
SG4789-002P	1.000	IGG12A	7/12/2013	16:04	NAT
SG4789-002S	1.000	IGG12A	7/12/2013	16:08	NAT
SG4789-003	1.000	IGG12A	7/12/2013	16:13	NAT
CCV	1.000	IGG12A	7/12/2013	16:17	NAT
CCB	1.000	IGG12A	7/12/2013	16:22	NAT
SG4772-010A	1.000	IGG12A	7/12/2013	16:26	NAT
SG4789-004	1.000	IGG12A	7/12/2013	16:31	NAT
SG4789-005	1.000	IGG12A	7/12/2013	16:35	NAT
SG4789-006	1.000	IGG12A	7/12/2013	16:39	NAT
SG4789-007	1.000	IGG12A	7/12/2013	16:44	NAT
SG4789-008	1.000	IGG12A	7/12/2013	16:48	NAT
SG4789-009	1.000	IGG12A	7/12/2013	16:53	NAT
SG4789-009L	5.000	IGG12A	7/12/2013	16:57	NAT
SG4789-009A	1.000	IGG12A	7/12/2013	17:02	NAT
SG4789-009P	1.000	IGG12A	7/12/2013	17:06	NAT
CCV	1.000	IGG12A	7/12/2013	17:10	NAT
CCB	1.000	IGG12A	7/12/2013	17:15	NAT
SG4789-009S	1.000	IGG12A	7/12/2013	17:19	NAT
SG4789-010	1.000	IGG12A	7/12/2013	17:24	NAT
SG4789-011	1.000	IGG12A	7/12/2013	17:28	NAT
SG4789-012	1.000	IGG12A	7/12/2013	17:33	NAT
SG4789-013	1.000	IGG12A	7/12/2013	17:37	NAT
SG4789-014	1.000	IGG12A	7/12/2013	17:41	NAT
SG4789-015	1.000	IGG12A	7/12/2013	17:46	NAT
SG4789-016	1.000	IGG12A	7/12/2013	17:50	NAT
SG4789-017	1.000	IGG12A	7/12/2013	17:55	NAT

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG4789-018	1.000	IGG12A	7/12/2013	17:59	NAT
CCV	1.000	IGG12A	7/12/2013	18:04	NAT
CCB	1.000	IGG12A	7/12/2013	18:08	NAT
SG4789-019	1.000	IGG12A	7/12/2013	18:13	NAT
LCSOGG11ICS2	1.000	IGG12A	7/12/2013	18:17	NAT
PBSGG11ICS2	1.000	IGG12A	7/12/2013	18:21	NAT
SG4836-001	1.000	IGG12A	7/12/2013	18:26	NAT
SG4836-002	1.000	IGG12A	7/12/2013	18:30	NAT
SG4836-003	1.000	IGG12A	7/12/2013	18:35	NAT
SG4836-004	1.000	IGG12A	7/12/2013	18:39	NAT
SG4836-005	1.000	IGG12A	7/12/2013	18:44	NAT
SG4836-006	1.000	IGG12A	7/12/2013	18:48	NAT
SG4836-007	1.000	IGG12A	7/12/2013	18:53	NAT
CCV	1.000	IGG12A	7/12/2013	18:57	NAT
CCB	1.000	IGG12A	7/12/2013	19:02	NAT
SG4836-008	1.000	IGG12A	7/12/2013	19:06	NAT
SG4836-008L	5.000	IGG12A	7/12/2013	19:11	NAT
SG4836-008A	1.000	IGG12A	7/12/2013	19:15	NAT
SG4836-008P	1.000	IGG12A	7/12/2013	19:19	NAT
SG4836-008S	1.000	IGG12A	7/12/2013	19:24	NAT
SG4836-009	1.000	IGG12A	7/12/2013	19:28	NAT
SG4836-010	1.000	IGG12A	7/12/2013	19:33	NAT
SG4836-011	1.000	IGG12A	7/12/2013	19:37	NAT
SG4836-012	1.000	IGG12A	7/12/2013	19:42	NAT
SG4836-013	1.000	IGG12A	7/12/2013	19:46	NAT
CCV	1.000	IGG12A	7/12/2013	19:51	NAT
CCB	1.000	IGG12A	7/12/2013	19:55	NAT
SG4836-014	1.000	IGG12A	7/12/2013	20:00	NAT
SG4836-015	1.000	IGG12A	7/12/2013	20:04	NAT
SG4836-016	1.000	IGG12A	7/12/2013	20:09	NAT
SG4836-017	1.000	IGG12A	7/12/2013	20:13	NAT
SG4836-018	1.000	IGG12A	7/12/2013	20:17	NAT
SG4836-019	1.000	IGG12A	7/12/2013	20:22	NAT
SG4836-020	1.000	IGG12A	7/12/2013	20:26	NAT
LCSWGG11ICW2	1.000	IGG12A	7/12/2013	20:31	NAT
PBWGG11ICW2	1.000	IGG12A	7/12/2013	20:35	NAT
PBT1117A	1.000	IGG12A	7/12/2013	20:40	NAT
CCV	1.000	IGG12A	7/12/2013	20:44	NAT
CCB	1.000	IGG12A	7/12/2013	20:49	NAT
SG4770-001T	1.000	IGG12A	7/12/2013	20:53	NAT
SG4771-001T	1.000	IGG12A	7/12/2013	20:58	NAT
SG4773-002T	1.000	IGG12A	7/12/2013	21:02	NAT
SG4773-004T	1.000	IGG12A	7/12/2013	21:07	NAT
SG4782-001	1.000	IGG12A	7/12/2013	21:11	NAT
SG4782-001L	5.000	IGG12A	7/12/2013	21:16	NAT
SG4782-001A	1.000	IGG12A	7/12/2013	21:20	NAT
SG4782-001P	1.000	IGG12A	7/12/2013	21:25	NAT

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG4782-001S	1.000	IGG12A	7/12/2013	21:29	NAT
SG4782-002	1.000	IGG12A	7/12/2013	21:34	NAT
CCV	1.000	IGG12A	7/12/2013	21:38	NAT
CCB	1.000	IGG12A	7/12/2013	21:42	NAT
SG4782-003	1.000	IGG12A	7/12/2013	21:47	NAT
SG4782-004	1.000	IGG12A	7/12/2013	21:51	NAT
SG4782-005	1.000	IGG12A	7/12/2013	21:56	NAT
SG4782-006	1.000	IGG12A	7/12/2013	22:01	NAT
SG4782-007	1.000	IGG12A	7/12/2013	22:05	NAT
SG4791-001	1.000	IGG12A	7/12/2013	22:10	NAT
SG4808-001	1.000	IGG12A	7/12/2013	22:14	NAT
SG4825-001	1.000	IGG12A	7/12/2013	22:19	NAT
SG4825-002	1.000	IGG12A	7/12/2013	22:23	NAT
SG4825-003	1.000	IGG12A	7/12/2013	22:28	NAT
CCV	1.000	IGG12A	7/12/2013	22:32	NAT
CCB	1.000	IGG12A	7/12/2013	22:37	NAT
SG4834-001	1.000	IGG12A	7/12/2013	22:41	NAT
SG4652-002R	1.000	IGG12A	7/12/2013	22:46	NAT
PBSGG12ICS1	1.000	IGG12A	7/12/2013	22:50	NAT
LCSOGG12ICS1	1.000	IGG12A	7/12/2013	22:55	NAT
SG4836-021	1.000	IGG12A	7/12/2013	22:59	NAT
SG4836-021L	5.000	IGG12A	7/12/2013	23:04	NAT
SG4836-021A	1.000	IGG12A	7/12/2013	23:08	NAT
SG4836-021S	1.000	IGG12A	7/12/2013	23:13	NAT
SG4836-021P	1.000	IGG12A	7/12/2013	23:17	NAT
SG4836-022	1.000	IGG12A	7/12/2013	23:21	NAT
CCV	1.000	IGG12A	7/12/2013	23:26	NAT
CCB	1.000	IGG12A	7/12/2013	23:30	NAT
SG4836-023	1.000	IGG12A	7/12/2013	23:35	NAT
SG4836-024	1.000	IGG12A	7/12/2013	23:39	NAT
SG4836-025	1.000	IGG12A	7/12/2013	23:44	NAT
SG4836-026	1.000	IGG12A	7/12/2013	23:48	NAT
SG4836-027	1.000	IGG12A	7/12/2013	23:53	NAT
SG4836-028	1.000	IGG12A	7/12/2013	23:57	NAT
SG4836-029	1.000	IGG12A	7/13/2013	0:02	NAT
SG4836-030	1.000	IGG12A	7/13/2013	0:06	NAT
SG4836-023	5.000	IGG12A	7/13/2013	0:11	NAT
SG4872-001	1.000	IGG12A	7/13/2013	0:15	NAT
CCV	1.000	IGG12A	7/13/2013	0:20	NAT
CCB	1.000	IGG12A	7/13/2013	0:24	NAT
SG4872-002	1.000	IGG12A	7/13/2013	0:29	NAT
SG4872-003	1.000	IGG12A	7/13/2013	0:33	NAT
SG4872-004	1.000	IGG12A	7/13/2013	0:38	NAT
SG4872-005	1.000	IGG12A	7/13/2013	0:42	NAT
SG4872-006	1.000	IGG12A	7/13/2013	0:47	NAT
SG4872-007	1.000	IGG12A	7/13/2013	0:51	NAT
SG4872-008	1.000	IGG12A	7/13/2013	0:55	NAT

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG4872-009	1.000	IGG12A	7/13/2013	1:00	NAT
SG4872-010	1.000	IGG12A	7/13/2013	1:04	NAT
CCV	1.000	IGG12A	7/13/2013	1:09	NAT
CCB	1.000	IGG12A	7/13/2013	1:13	NAT
PQL	1.000	IGG12A	7/13/2013	1:18	NAT
ICSA	1.000	IGG12A	7/13/2013	1:22	NAT
ICSAB	1.000	IGG12A	7/13/2013	1:27	NAT
CCV	1.000	IGG12A	7/13/2013	1:31	NAT
CCB	1.000	IGG12A	7/13/2013	1:36	NAT

Intensity Report

Author:

Published: 7/15/2013 8:20:39AM

Notes:

Blank

Method Name: K6010-2011 Method Revision: 827

Analyst Name: NAT

Acquire Date: 7/12/2013 2:39:40PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.00009045	Cts/S	0.000004755	5.257	-18.59
Al3961_R		-0.0004041	Cts/S	0.00003303	8.175	-5.317
As1891_A		-0.0001523	Cts/S	0.00009344	61.37	-1.079
Au2427_A		0.00007984	Cts/S	0.0003216	402.7	0.5628
B_2089_A		0.0003643	Cts/S	0.00003130	8.591	2.583
Ba4554_R		-0.0008838	Cts/S	0.0006235	70.54	-11.64
Be3130_R		-0.001500	Cts/S	0.0004101	27.35	-19.74
Ca3158_R		-0.001221	Cts/S	0.00006104	4.999	-16.07
Cd2265_A		-0.0001251	Cts/S	0.00003271	26.14	-0.8867
Co2286_A		0.0007273	Cts/S	0.00001663	2.287	5.156
Cr2677_A		0.00002691	Cts/S	0.0000005080	1.888	5.531
Cu3273_A		0.0001883	Cts/S	0.00004282	22.75	38.70
Fe2599_R		0.0006162	Cts/S	0.0001994	32.35	8.108
K_7664_R		0.0006453	Cts/S	0.0008189	126.9	8.484
Li6707_R		0.004441	Cts/S	0.001036	23.33	58.45
Mg2025_A		-0.00008883	Cts/S	0.00007090	79.81	-0.6290
Mn2576_R		-0.0001209	Cts/S	0.000009563	7.913	-1.591
Mo2020_A		0.00002089	Cts/S	0.00003812	182.5	0.1485
Na5895_R		-0.009053	Cts/S	0.0004714	5.207	-119.1
Ni2316_A		-0.00006152	Cts/S	0.00004299	69.89	-0.4357
Pb2203_A		0.00009369	Cts/S	0.00005561	59.36	0.6637
Sb2068_A		0.0001779	Cts/S	0.00003673	20.65	1.262
Se1960_A		0.00008981	Cts/S	0.00006084	67.75	0.6361
Si2516_R		0.0008292	Cts/S	0.0001709	20.61	10.91
Sn1899_A		0.00005322	Cts/S	0.000008317	15.63	0.3774
Sr4215_R		-0.002192	Cts/S	0.0002737	12.49	-28.85
Ti3349_A		-0.0001054	Cts/S	0.00004843	45.96	-21.67
Tl1908_A		0.00003781	Cts/S	0.00002453	64.89	0.2678
V_2924_A		-0.00001509	Cts/S	0.00003737	247.6	-3.112
Zn2062_A		0.0002214	Cts/S	0.00006803	30.73	1.570
Y_3600_R		13,161	Cts/S	18.776	0.14267	13,161
Y_2243_A		7,089.7	Cts/S	20.306	0.28642	7,089.7
Y_3600_A		205,510	Cts/S	539.08	0.26232	205,510

Std 1

Method Name: K6010-2011 Method Revision: 827

Analyst Name: NAT

Acquire Date: 7/12/2013 2:44:12PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.08351	Cts/S	0.0002489	0.2981	16,570
Al3961_R		0.8954	Cts/S	0.003681	0.4111	11,910
As1891_A		0.03935	Cts/S	0.0002956	0.7514	275.1
Au2427_A		0.4225	Cts/S	0.003906	0.9245	2,954
B_2089_A		0.1220	Cts/S	0.001265	1.037	853.0
Ba4554_R		2.215	Cts/S	0.02345	1.059	29,460
Be3130_R		4.722	Cts/S	0.03133	0.6635	62,790
Ca3158_R		1.400	Cts/S	0.02014	1.438	18,620
Cd2265_A		1.654	Cts/S	0.01946	1.177	11,560
Co2286_A		0.4408	Cts/S	0.005229	1.186	3,082
Cr2677_A		0.06431	Cts/S	0.0001130	0.1757	12,760
Cu3273_A		0.06119	Cts/S	0.0001453	0.2375	12,140
Fe2599_R		2.216	Cts/S	0.01297	0.5851	29,470

Std 1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 2:44:12PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		0.8102	Cts/S	0.006320	0.7801	10,770
Li6707_R		0.5176	Cts/S	0.002909	0.5620	6,882
Mg2025_A		0.5635	Cts/S	0.006910	1.226	3,940
Mn2576_R		0.4429	Cts/S	0.005220	1.179	5,889
Mo2020_A		0.2463	Cts/S	0.001330	0.5398	1,722
Na5895_R		2.133	Cts/S	0.02369	1.111	28,360
Ni2316_A		0.2495	Cts/S	0.002436	0.9763	1,744
Pb2203_A		0.1244	Cts/S	0.001421	1.143	869.5
Sb2068_A		0.04384	Cts/S	0.0005791	1.321	306.5
Se1960_A		0.02347	Cts/S	0.0001706	0.7267	164.1
Si2516_R		0.5425	Cts/S	0.005915	1.090	7,215
Sn1899_A		0.06088	Cts/S	0.0006288	1.033	425.6
Sr4215_R		2.775	Cts/S	0.02628	0.9467	36,910
Ti3349_A		0.1173	Cts/S	0.0008872	0.7564	23,270
Tl1908_A		0.06080	Cts/S	0.0006545	1.076	425.1
V_2924_A		0.06241	Cts/S	0.0004291	0.6875	12,380
Zn2062_A		0.4137	Cts/S	0.004400	1.064	2,893
Y_3600_R		13,298	Cts/S	15.506	0.11661	13,298
Y_2243_A		6,992.0	Cts/S	49.717	0.71106	6,992.0
Y_3600_A		198,380	Cts/S	183.89	0.092697	198,380

ICV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 2:48:31PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		393.1	ug/L	2.321	0.5903	6,559
Al3961_R		9,993	ug/L	9.847	0.09854	4,700
As1891_A		395.2	ug/L	2.051	0.5190	108.6
Au2427_A		391.2	ug/L	5.241	1.340	1,162
B_2089_A		395.4	ug/L	4.507	1.140	340.8
Ba4554_R		403.7	ug/L	2.082	0.5158	11,740
Be3130_R		399.5	ug/L	1.919	0.4803	24,780
Ca3158_R		10,440	ug/L	51.80	0.4964	7,673
Cd2265_A		393.3	ug/L	5.368	1.365	4,570
Co2286_A		404.6	ug/L	5.693	1.407	1,256
Cr2677_A		398.0	ug/L	1.572	0.3950	5,127
Cu3273_A		398.6	ug/L	3.302	0.8284	4,905
Fe2599_R		10,080	ug/L	67.06	0.6650	11,750
K_7664_R		13,480	ug/L	8.909	0.06611	5,743
Li6707_R		396.3	ug/L	1.983	0.5002	2,731
Mg2025_A		10,040	ug/L	139.7	1.392	1,589
Mn2576_R		400.7	ug/L	1.250	0.3120	2,331
Mo2020_A		406.2	ug/L	4.975	1.225	702.9
Na5895_R		10,070	ug/L	41.17	0.4090	11,220
Ni2316_A		402.2	ug/L	4.397	1.093	704.5
Pb2203_A		403.9	ug/L	4.657	1.153	353.2
Sb2068_A		391.5	ug/L	5.943	1.518	121.3
Se1960_A		393.2	ug/L	5.495	1.398	65.22
Si2516_R		9,665	ug/L	47.13	0.4877	2,763
Sn1899_A		401.8	ug/L	6.519	1.622	172.0
Sr4215_R		397.0	ug/L	1.990	0.5012	14,460
Ti3349_A		393.7	ug/L	2.014	0.5115	9,230
Tl1908_A		405.7	ug/L	7.028	1.732	173.4
V_2924_A		397.3	ug/L	1.273	0.3204	4,961
Zn2062_A		401.3	ug/L	5.437	1.355	1,167
Y_3600_R		13,141	Cts/S	138.01	1.0502	13,141

ICV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 2:48:31PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		7,024.9	Cts/S	90.748	1.2918	7,024.9
Y_3600_A		200,180	Cts/S	614.17	0.30681	200,180

ICB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 2:52:52PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.04712	ug/L	0.1392	295.4	-19.25
Al3961_R		-4.704	ug/L	25.65	545.2	-7.594
As1891_A		1.250	ug/L	0.4463	35.71	-0.7322
Au2427_A		-0.2378	ug/L	0.5299	222.8	-0.1504
B_2089_A		0.5753	ug/L	1.046	181.9	3.138
Ba4554_R		0.3261	ug/L	0.5531	169.6	-2.094
Be3130_R		0.07036	ug/L	0.08756	124.4	-15.49
Ca3158_R		4.937	ug/L	2.484	50.31	-12.53
Cd2265_A		-0.02080	ug/L	0.07526	361.8	-1.132
Co2286_A		-0.07116	ug/L	0.04216	59.24	4.958
Cr2677_A		0.03785	ug/L	0.01976	52.19	5.980
Cu3273_A		-0.3791	ug/L	0.8338	220.0	33.62
Fe2599_R		0.7494	ug/L	0.1805	24.09	9.063
K_7664_R		-11.88	ug/L	11.97	100.8	3.443
Li6707_R		1.971	ug/L	2.185	110.9	72.43
Mg2025_A		2.068	ug/L	0.4954	23.96	-0.2978
Mn2576_R		0.2459	ug/L	0.1580	64.28	-0.1563
Mo2020_A		1.880	ug/L	0.6497	34.56	3.451
Na5895_R		22.23	ug/L	4.272	19.22	-94.91
Ni2316_A		-0.2219	ug/L	0.2760	124.4	-0.8266
Pb2203_A		0.1702	ug/L	0.4860	285.5	0.8154
Sb2068_A		-0.8022	ug/L	2.112	263.2	1.018
Se1960_A		-0.6323	ug/L	2.641	417.7	0.5361
Si2516_R		0.2496	ug/L	9.450	3,786	11.09
Sn1899_A		0.3858	ug/L	0.03813	9.883	0.5461
Sr4215_R		-0.1976	ug/L	0.2470	125.0	-36.36
Ti3349_A		0.2297	ug/L	0.2832	123.3	-15.95
Tl1908_A		0.8526	ug/L	0.9021	105.8	0.6370
V_2924_A		-0.2017	ug/L	0.1120	55.54	-5.892
Zn2062_A		0.06030	ug/L	0.04268	70.79	1.754
Y_3600_R		13,275	Cts/S	77.304	0.58230	13,275
Y_2243_A		7,121.6	Cts/S	54.293	0.76237	7,121.6
Y_3600_A		203,780	Cts/S	582.57	0.28589	203,780

PQL

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 2:57:24PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		9.975	ug/L	0.1348	1.351	156.1
Al3961_R		312.1	ug/L	9.914	3.177	144.5
As1891_A		7.054	ug/L	1.667	23.63	0.9008
Au2427_A		102.9	ug/L	1.872	1.820	306.8
B_2089_A		51.06	ug/L	1.120	2.194	45.25
Ba4554_R		5.420	ug/L	0.6828	12.60	149.2
Be3130_R		5.080	ug/L	0.1065	2.097	301.3
Ca3158_R		108.9	ug/L	4.318	3.966	65.47
Cd2265_A		5.211	ug/L	0.09283	1.781	60.11
Co2286_A		10.44	ug/L	0.2670	2.558	37.69

PQL

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 2:57:24PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		10.05	ug/L	0.02266	0.2255	140.4
Cu3273_A		25.55	ug/L	0.1900	0.7439	364.9
Fe2599_R		100.2	ug/L	2.584	2.579	127.3
K_7664_R		1,016	ug/L	18.17	1.789	449.7
Li6707_R		101.9	ug/L	2.355	2.312	760.3
Mg2025_A		106.1	ug/L	5.660	5.332	16.53
Mn2576_R		5.505	ug/L	0.1160	2.108	31.07
Mo2020_A		10.60	ug/L	0.3440	3.246	18.62
Na5895_R		1,032	ug/L	24.51	2.376	1,064
Ni2316_A		10.43	ug/L	0.7229	6.933	17.99
Pb2203_A		5.160	ug/L	0.9799	18.99	5.176
Sb2068_A		9.216	ug/L	0.6058	6.574	3.820
Se1960_A		9.876	ug/L	1.639	16.60	2.271
Si2516_R		195.2	ug/L	9.970	5.107	67.85
Sn1899_A		105.1	ug/L	1.982	1.885	45.62
Sr4215_R		10.18	ug/L	0.1753	1.723	349.6
Ti3349_A		14.88	ug/L	0.7429	4.991	342.6
Tl1908_A		17.06	ug/L	0.06365	0.3732	7.609
V_2924_A		9.682	ug/L	0.1923	1.987	123.1
Zn2062_A		20.34	ug/L	0.3610	1.774	61.14
Y_3600_R		13,406	Cts/S	38.037	0.28373	13,406
Y_2243_A		7,077.7	Cts/S	102.07	1.4422	7,077.7
Y_3600_A		208,760	Cts/S	1,868.9	0.89526	208,760

LRS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:01:54PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	F	2,216	ug/L	5.750	0.2595	35,840
Al3961_R		-78.69	ug/L	23.34	29.66	386.5
As1891_A	W	21,360	ug/L	135.0	0.6318	5,465
Au2427_A	W	21,710	ug/L	174.9	0.8056	58,980
B_2089_A	W	21,080	ug/L	126.3	0.5991	16,570
Ba4554_R		19,600	ug/L	81.04	0.4135	570,900
Be3130_R		19,540	ug/L	124.5	0.6372	1,213,000
Ca3158_R		63.54	ug/L	1.550	2.439	14.84
Cd2265_A		20,130	ug/L	171.2	0.8505	215,000
Co2286_A		20,490	ug/L	157.6	0.7690	58,300
Cr2677_A		19,750	ug/L	41.09	0.2080	244,500
Cu3273_A		19,840	ug/L	34.70	0.1749	233,100
Fe2599_R		-9.505	ug/L	0.1252	1.318	-2.973
K_7664_R		11.27	ug/L	45.06	399.6	13.39
Li6707_R		19,240	ug/L	164.1	0.8528	129,800
Mg2025_A		208,700	ug/L	1,614	0.7735	30,810
Mn2576_R		20,660	ug/L	199.5	0.9656	120,300
Mo2020_A		20,580	ug/L	138.6	0.6735	32,770
Na5895_R		41.53	ug/L	5.617	13.53	-72.26
Ni2316_A		20,370	ug/L	143.6	0.7050	32,900
Pb2203_A		21,020	ug/L	167.1	0.7950	16,940
Sb2068_A	W	21,450	ug/L	130.5	0.6083	6,046
Se1960_A	W	21,150	ug/L	130.5	0.6169	3,198
Si2516_R		5.141	ug/L	25.22	490.6	85.77
Sn1899_A		20,910	ug/L	181.0	0.8657	8,223
Sr4215_R		19,570	ug/L	178.4	0.9116	714,700
Ti3349_A		19,510	ug/L	147.5	0.7558	441,000
Tl1908_A		20,590	ug/L	138.2	0.6715	8,087

LRS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:01:54PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A		20,020	ug/L	50.40	0.2518	240,500
Zn2062_A		19,670	ug/L	160.0	0.8133	52,590
Y_3600_R		13,146	Cts/S	147.87	1.1248	13,146
Y_2243_A		6,465.4	Cts/S	34.209	0.52911	6,465.4
Y_3600_A		192,540	Cts/S	1,138.4	0.59125	192,540

LRS2

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:06:37PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-2.788	ug/L	0.9991	35.84	-1,240
Al3961_R		524,100	ug/L	9,487	1.810	240,800
As1891_A		13.92	ug/L	2.608	18.74	-3.288
Au2427_A		3.880	ug/L	1.981	51.05	155.1
B_2089_A		40.46	ug/L	7.006	17.32	33.13
Ba4554_R		3.957	ug/L	0.5143	13.00	101.4
Be3130_R		0.7874	ug/L	0.01313	1.668	27.80
Ca3158_R		502,100	ug/L	9,267	1.846	361,600
Cd2265_A		2.622	ug/L	0.1632	6.223	121.9
Co2286_A		1.504	ug/L	0.08916	5.929	14.94
Cr2677_A		-0.5516	ug/L	0.5787	104.9	3.477
Cu3273_A		-3.229	ug/L	1.479	45.80	45.52
Fe2599_R		242,900	ug/L	4,049	1.667	276,500
K_7664_R		298,700	ug/L	3,028	1.014	124,300
Li6707_R		17.51	ug/L	1.200	6.853	172.4
Mg2025_A		196,400	ug/L	509.2	0.2592	27,580
Mn2576_R		9.666	ug/L	0.02316	0.2396	72.23
Mo2020_A		37.38	ug/L	9.222	24.67	57.97
Na5895_R		191,500	ug/L	2,277	1.189	210,700
Ni2316_A		3.796	ug/L	0.6908	18.20	-12.98
Pb2203_A		0.9885	ug/L	0.4174	42.23	-48.84
Sb2068_A		17.06	ug/L	8.003	46.90	9.902
Se1960_A		17.52	ug/L	1.319	7.530	3.467
Si2516_R		95,020	ug/L	1,466	1.543	26,440
Sn1899_A		5.543	ug/L	2.046	36.90	2.452
Sr4215_R		4.959	ug/L	0.3085	6.221	148.7
Ti3349_A		17.63	ug/L	1.077	6.110	337.0
Tl1908_A		6.683	ug/L	2.266	33.91	4.313
V_2924_A		0.7001	ug/L	0.3347	47.81	18.96
Zn2062_A		118.8	ug/L	0.1780	0.1498	310.6
Y_3600_R		12,846	Cts/S	223.10	1.7366	12,846
Y_2243_A		6,285.5	Cts/S	28.361	0.45121	6,285.5
Y_3600_A		171,490	Cts/S	1,250.8	0.72937	171,490

ICSA

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:15:38PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.161	ug/L	0.3935	33.89	-960.5
Al3961_R		491,200	ug/L	7,810	1.590	222,700
As1891_A		4.760	ug/L	0.1918	4.030	-4.423
Au2427_A		-3.932	ug/L	1.410	35.85	101.5
B_2089_A	W	11.16	ug/L	0.3614	3.239	10.60
Ba4554_R		-0.1769	ug/L	0.2673	151.1	-16.12
Be3130_R		0.001957	ug/L	0.02432	1,243	-19.04

ICSA

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:15:38PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		483,600	ug/L	3,118	0.6447	343,700
Cd2265_A		1.165	ug/L	0.1122	9.630	84.82
Co2286_A		-2.000	ug/L	0.1084	5.419	3.779
Cr2677_A		0.2590	ug/L	0.1223	47.21	11.47
Cu3273_A		-0.4064	ug/L	0.2138	52.61	76.03
Fe2599_R		187,300	ug/L	2,533	1.353	210,400
K_7664_R		175.6	ug/L	12.16	6.924	80.22
Li6707_R		17.47	ug/L	0.03866	0.2213	169.9
Mg2025_A		459,400	ug/L	1,172	0.2551	64,430
Mn2576_R		0.2294	ug/L	0.3603	157.1	14.56
Mo2020_A		3.692	ug/L	0.9121	24.70	5.838
Na5895_R		63.03	ug/L	17.18	27.26	-46.17
Ni2316_A		-0.1092	ug/L	0.1171	107.2	-14.89
Pb2203_A		0.6068	ug/L	0.9399	154.9	-46.62
Sb2068_A		1.276	ug/L	2.089	163.8	5.122
Se1960_A		4.075	ug/L	2.799	68.69	1.427
Si2516_R		7.339	ug/L	2.312	31.50	6.985
Sn1899_A		3.602	ug/L	0.8244	22.89	1.710
Sr4215_R		2.219	ug/L	0.2380	10.73	50.27
Ti3349_A		3.999	ug/L	0.3321	8.303	63.44
Tl1908_A		2.659	ug/L	0.4503	16.94	2.732
V_2924_A		0.1212	ug/L	0.007351	6.067	12.05
Zn2062_A		8.260	ug/L	0.1623	1.965	22.85
Y_3600_R		12,676	Cts/S	169.13	1.3342	12,676
Y_2243_A		6,277.3	Cts/S	11.393	0.18150	6,277.3
Y_3600_A		174,280	Cts/S	450.71	0.25861	174,280

ICSAB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:20:10PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		216.4	ug/L	1.453	0.6714	2,238
Al3961_R		494,700	ug/L	6,341	1.282	227,700
As1891_A		102.9	ug/L	0.6682	0.6497	20.27
Au2427_A		517.0	ug/L	0.6419	0.1242	1,488
B_2089_A		503.5	ug/L	4.873	0.9678	389.6
Ba4554_R		503.1	ug/L	8.018	1.594	14,330
Be3130_R		500.8	ug/L	7.200	1.438	30,420
Ca3158_R		481,600	ug/L	12,220	2.537	347,400
Cd2265_A		958.7	ug/L	8.112	0.8462	10,100
Co2286_A		470.1	ug/L	5.207	1.108	1,319
Cr2677_A		493.4	ug/L	0.9419	0.1909	5,557
Cu3273_A		509.8	ug/L	1.735	0.3403	5,521
Fe2599_R		188,400	ug/L	2,713	1.441	214,800
K_7664_R		20,800	ug/L	330.8	1.590	8,675
Li6707_R		535.4	ug/L	9.233	1.724	3,592
Mg2025_A		465,000	ug/L	3,872	0.8326	65,770
Mn2576_R		479.2	ug/L	7.232	1.509	2,744
Mo2020_A		493.1	ug/L	3.059	0.6203	768.9
Na5895_R		20,510	ug/L	279.2	1.361	22,500
Ni2316_A		931.8	ug/L	9.421	1.011	1,458
Pb2203_A		49.82	ug/L	2.068	4.152	-9.028
Sb2068_A		603.3	ug/L	6.677	1.107	171.4
Se1960_A		56.24	ug/L	5.769	10.26	9.205
Si2516_R		1,944	ug/L	46.14	2.373	548.6
Sn1899_A		475.3	ug/L	4.978	1.047	183.3

ICSAB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:20:10PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		502.4	ug/L	8.307	1.653	17,930
Ti3349_A		502.8	ug/L	0.1517	0.03018	10,310
Tl1908_A		94.58	ug/L	1.970	2.083	37.82
V_2924_A		500.5	ug/L	1.322	0.2641	5,478
Zn2062_A		938.0	ug/L	9.540	1.017	2,458
Y_3600_R		12,867	Cts/S	27.247	0.21176	12,867
Y_2243_A		6,329.6	Cts/S	50.181	0.79280	6,329.6
Y_3600_A		174,950	Cts/S	964.63	0.55139	174,950

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:24:39PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		495.9	ug/L	0.1561	0.03148	8,251
Al3961_R		12,530	ug/L	166.0	1.325	5,916
As1891_A		502.3	ug/L	0.4753	0.09461	136.9
Au2427_A		495.3	ug/L	2.621	0.5292	1,455
B_2089_A		504.1	ug/L	0.3987	0.07910	429.2
Ba4554_R		504.9	ug/L	3.512	0.6955	14,750
Be3130_R		504.2	ug/L	5.554	1.102	31,390
Ca3158_R		12,670	ug/L	138.1	1.090	9,358
Cd2265_A		506.9	ug/L	0.8864	0.1749	5,828
Co2286_A		512.8	ug/L	0.04531	0.008837	1,574
Cr2677_A		503.6	ug/L	0.3314	0.06581	6,464
Cu3273_A		502.9	ug/L	0.1707	0.03394	6,157
Fe2599_R		12,580	ug/L	164.1	1.304	14,720
K_7664_R		12,450	ug/L	151.6	1.218	5,326
Li6707_R		504.4	ug/L	1.006	0.1995	3,473
Mg2025_A		12,730	ug/L	20.51	0.1610	1,995
Mn2576_R		504.0	ug/L	4.592	0.9110	2,944
Mo2020_A		518.5	ug/L	1.904	0.3673	887.7
Na5895_R		12,560	ug/L	96.60	0.7691	14,080
Ni2316_A		512.9	ug/L	0.3106	0.06055	889.3
Pb2203_A		510.6	ug/L	2.051	0.4016	441.7
Sb2068_A		505.5	ug/L	2.091	0.4136	154.6
Se1960_A		499.8	ug/L	0.5674	0.1135	81.85
Si2516_R	W	13,350	ug/L	215.9	1.617	3,828
Sn1899_A		508.4	ug/L	2.752	0.5412	215.3
Sr4215_R		505.4	ug/L	5.799	1.147	18,490
Ti3349_A		498.1	ug/L	1.733	0.3479	11,640
Tl1908_A		512.0	ug/L	1.655	0.3233	216.5
V_2924_A		499.7	ug/L	1.328	0.2657	6,218
Zn2062_A		506.3	ug/L	0.6839	0.1351	1,457
Y_3600_R		13,191	Cts/S	81.071	0.61459	13,191
Y_2243_A		6,950.7	Cts/S	12.027	0.17304	6,950.7
Y_3600_A		199,470	Cts/S	658.33	0.33004	199,470

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:28:59PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3143	ug/L	0.1312	41.73	-23.96
Al3961_R		1.441	ug/L	4.638	321.9	-4.577
As1891_A		1.254	ug/L	0.2573	20.52	-0.7235
Au2427_A		0.9967	ug/L	1.119	112.3	3.472

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:28:59PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		3.957	ug/L	0.7971	20.14	5.964
Ba4554_R		0.02363	ug/L	0.4250	1,799	-10.93
Be3130_R		-0.1275	ug/L	0.04776	37.46	-27.85
Ca3158_R		0.4760	ug/L	13.49	2,833	-15.76
Cd2265_A		-0.08897	ug/L	0.07418	83.37	-1.910
Co2286_A		-0.02436	ug/L	0.09219	378.4	5.067
Cr2677_A		0.07998	ug/L	0.4003	500.6	6.558
Cu3273_A		0.1746	ug/L	0.4127	236.3	40.72
Fe2599_R		0.6835	ug/L	0.3001	43.91	8.972
K_7664_R		-28.74	ug/L	48.36	168.3	-3.632
Li6707_R		3.989	ug/L	1.141	28.62	85.93
Mg2025_A		-0.1068	ug/L	1.850	1,733	-0.6248
Mn2576_R		1.092	ug/L	0.1745	15.98	4.800
Mo2020_A		3.763	ug/L	0.8379	22.27	6.680
Na5895_R		2.527	ug/L	0.1225	4.850	-117.1
Ni2316_A		0.2528	ug/L	0.1088	43.05	0.02215
Pb2203_A		-1.052	ug/L	0.4166	39.61	-0.2641
Sb2068_A		1.359	ug/L	0.7525	55.39	1.681
Se1960_A		-1.070	ug/L	4.571	427.1	0.4461
Si2516_R		5.117	ug/L	0.7322	14.31	12.47
Sn1899_A		-0.3130	ug/L	0.2649	84.63	0.2437
Sr4215_R		-0.1345	ug/L	0.08613	64.04	-34.03
Ti3349_A		0.3385	ug/L	0.3147	92.96	-13.39
Tl1908_A		1.900	ug/L	1.010	53.14	1.077
V_2924_A		0.03817	ug/L	0.03386	88.71	-3.045
Zn2062_A		0.1211	ug/L	0.1319	109.0	1.926
Y_3600_R		13,253	Cts/S	190.56	1.4378	13,253
Y_2243_A		7,073.5	Cts/S	232.25	3.2834	7,073.5
Y_3600_A		204,790	Cts/S	611.59	0.29864	204,790

SG4772-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:33:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.905	ug/L	0.01627	0.5602	-237.0
Al3961_R		47,470	ug/L	245.9	0.5180	11,660
As1891_A		61.84	ug/L	3.229	5.222	6.787
Au2427_A		2.404	ug/L	0.1175	4.887	29.60
B_2089_A		22.97	ug/L	0.8105	3.529	12.49
Ba4554_R		122.3	ug/L	0.7647	0.6251	1,850
Be3130_R		2.410	ug/L	0.06416	2.663	-23.82
Ca3158_R		3,623	ug/L	38.32	1.058	1,378
Cd2265_A		1.148	ug/L	0.2152	18.75	25.66
Co2286_A		10.76	ug/L	0.1048	0.9741	37.75
Cr2677_A		76.12	ug/L	0.4098	0.5383	513.2
Cu3273_A		68.10	ug/L	0.4265	0.6262	404.0
Fe2599_R	W	78,290	ug/L	632.5	0.8080	47,660
K_7664_R		3,112	ug/L	39.60	1.272	700.9
Li6707_R		54.67	ug/L	0.8820	1.613	253.7
Mg2025_A		6,274	ug/L	0.8290	0.01321	505.3
Mn2576_R		541.7	ug/L	1.557	0.2875	1,649
Mo2020_A		9.790	ug/L	0.2709	2.767	8.788
Na5895_R		740.0	ug/L	16.40	2.216	311.1
Ni2316_A		59.88	ug/L	1.444	2.411	50.00
Pb2203_A	W	21,260	ug/L	18.49	0.08700	9,563
Sb2068_A		10.12	ug/L	4.248	41.98	3.298

SG4772-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:33:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		0.7196	ug/L	5.675	788.7	0.7860
Si2516_R		2,616	ug/L	4.653	0.1779	399.9
Sn1899_A		34.44	ug/L	0.7389	2.146	7.935
Sr4215_R		38.65	ug/L	0.3484	0.9015	707.2
Ti3349_A	W	3,869	ug/L	16.45	0.4253	46,920
Tl1908_A		1.085	ug/L	0.8398	77.37	-0.6871
V_2924_A		371.1	ug/L	1.122	0.3024	2,438
Zn2062_A		183.5	ug/L	0.2889	0.1574	275.4
Y_3600_R		13,736	Cts/S	91.783	0.66821	13,736
Y_2243_A		7,210.2	Cts/S	1.6747	0.023226	7,210.2
Y_3600_A		206,870	Cts/S	735.42	0.35550	206,870

LCSOGG11ICS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:37:57PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.08	ug/L	1.419	2.725	856.1
Al3961_R		1,974	ug/L	29.81	1.510	946.5
As1891_A		98.58	ug/L	0.006762	0.006859	26.65
Au2427_A		1.041	ug/L	0.7563	72.67	2.324
B_2089_A		504.1	ug/L	4.065	0.8063	430.9
Ba4554_R		2,050	ug/L	35.55	1.734	60,820
Be3130_R		51.47	ug/L	0.9074	1.763	3,226
Ca3158_R		2,669	ug/L	58.05	2.175	1,987
Cd2265_A		256.2	ug/L	1.550	0.6049	3,000
Co2286_A		523.0	ug/L	4.011	0.7669	1,636
Cr2677_A		208.2	ug/L	7.308	3.510	2,699
Cu3273_A		263.0	ug/L	8.963	3.408	3,258
Fe2599_R		1,029	ug/L	10.34	1.005	1,229
K_7664_R		9,988	ug/L	169.4	1.696	4,338
Li6707_R		508.2	ug/L	10.91	2.146	3,550
Mg2025_A		5,115	ug/L	14.99	0.2930	826.9
Mn2576_R		506.9	ug/L	7.550	1.489	3,003
Mo2020_A		308.2	ug/L	1.016	0.3296	537.9
Na5895_R		7,606	ug/L	163.3	2.147	8,603
Ni2316_A		523.0	ug/L	4.288	0.8199	924.9
Pb2203_A		103.6	ug/L	1.903	1.836	91.79
Sb2068_A		100.9	ug/L	1.592	1.577	31.22
Se1960_A		98.69	ug/L	2.339	2.370	17.03
Si2516_R	F	3,697	ug/L	61.82	1.672	1,084
Sn1899_A		547.8	ug/L	2.683	0.4898	236.5
Sr4215_R		513.1	ug/L	7.066	1.377	19,050
Ti3349_A		515.6	ug/L	21.66	4.201	12,150
Tl1908_A		105.3	ug/L	0.6687	0.6352	45.32
V_2924_A		512.4	ug/L	20.35	3.972	6,471
Zn2062_A		511.7	ug/L	4.219	0.8245	1,502
Y_3600_R		13,388	Cts/S	65.711	0.49082	13,388
Y_2243_A		7,085.6	Cts/S	42.866	0.60497	7,085.6
Y_3600_A		201,250	Cts/S	5,660.1	2.8125	201,250

PBSGG11ICS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:42:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.02808	ug/L	0.1976	703.7	-18.79

PBSGG11ICS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:42:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R		3.638	ug/L	13.26	364.5	-3.632
As1891_A		-0.5443	ug/L	0.1924	35.35	-1.262
Au2427_A		-0.3816	ug/L	0.07086	18.57	-0.5750
B_2089_A		1.986	ug/L	0.1415	7.123	4.416
Ba4554_R		0.6430	ug/L	0.1957	30.44	7.300
Be3130_R		-0.04208	ug/L	0.06597	156.8	-22.93
Ca3158_R		64.83	ug/L	3.315	5.113	32.54
Cd2265_A		0.004223	ug/L	0.02618	619.8	-0.8496
Co2286_A		0.1520	ug/L	0.01803	11.86	5.777
Cr2677_A		0.4779	ug/L	0.1475	30.86	12.22
Cu3273_A		0.1762	ug/L	0.8985	509.8	42.16
Fe2599_R		16.29	ug/L	0.8957	5.499	27.76
K_7664_R		-43.90	ug/L	62.27	141.8	-10.51
Li6707_R		1.055	ug/L	0.2460	23.32	67.15
Mg2025_A		19.48	ug/L	0.3924	2.014	2.532
Mn2576_R		0.08493	ug/L	0.3991	469.9	-1.124
Mo2020_A		2.390	ug/L	0.05169	2.163	4.430
Na5895_R		44.40	ug/L	15.88	35.76	-70.71
Ni2316_A		-0.06499	ug/L	0.3716	571.7	-0.5599
Pb2203_A		-0.6244	ug/L	0.007617	1.220	0.1115
Sb2068_A		-0.4709	ug/L	2.174	461.8	1.078
Se1960_A		-4.176	ug/L	0.2612	6.256	-0.05623
Si2516_R		20.64	ug/L	1.792	8.684	17.21
Sn1899_A		20.84	ug/L	0.9763	4.685	9.598
Sr4215_R		0.1908	ug/L	0.1095	57.38	-22.40
Ti3349_A		0.8025	ug/L	0.09266	11.55	-2.350
Tl1908_A		0.7774	ug/L	2.647	340.5	0.6160
V_2924_A		-0.1521	ug/L	0.3564	234.3	-5.547
Zn2062_A		0.6853	ug/L	0.01260	1.839	3.669
Y_3600_R		13,479	Cts/S	40.112	0.29759	13,479
Y_2243_A		7,267.1	Cts/S	28.107	0.38678	7,267.1
Y_3600_A		212,050	Cts/S	526.46	0.24827	212,050

SG4789-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:46:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6192	ug/L	0.5839	94.31	-285.3
Al3961_R	W	28,810	ug/L	64.95	0.2255	14,370
As1891_A		35.20	ug/L	0.4011	1.140	7.996
Au2427_A		1.434	ug/L	0.5414	37.75	33.42
B_2089_A		16.86	ug/L	0.8094	4.801	17.24
Ba4554_R		497.6	ug/L	5.464	1.098	15,370
Be3130_R		1.899	ug/L	0.02597	1.368	-4.294
Ca3158_R		3,966	ug/L	37.58	0.9474	3,084
Cd2265_A		2.845	ug/L	0.07777	2.734	55.78
Co2286_A		6.813	ug/L	0.03864	0.5671	47.46
Cr2677_A		50.19	ug/L	0.1808	0.3601	688.5
Cu3273_A		93.83	ug/L	0.06679	0.07118	1,163
Fe2599_R	W	43,180	ug/L	249.0	0.5765	53,380
K_7664_R		1,643	ug/L	87.49	5.324	751.1
Li6707_R		10.73	ug/L	0.1091	1.017	138.7
Mg2025_A		2,267	ug/L	7.665	0.3381	369.5
Mn2576_R		271.8	ug/L	4.183	1.539	1,680
Mo2020_A		5.487	ug/L	0.07962	1.451	9.932
Na5895_R		694.8	ug/L	3.019	0.4345	704.0

SG4789-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:46:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		83.85	ug/L	0.2758	0.3289	148.3
Pb2203_A	W	2,948	ug/L	6.129	0.2079	2,682
Sb2068_A		5.884	ug/L	1.465	24.90	3.618
Se1960_A		3.810	ug/L	3.447	90.48	1.387
Si2516_R		3,845	ug/L	13.05	0.3395	1,172
Sn1899_A		34.32	ug/L	0.1663	0.4846	15.61
Sr4215_R		64.00	ug/L	0.9202	1.438	2,449
Ti3349_A	W	2,541	ug/L	2.618	0.1031	62,900
Tl1908_A		0.5324	ug/L	0.06931	13.02	-1.019
V_2924_A		246.0	ug/L	0.5651	0.2297	3,302
Zn2062_A		136.6	ug/L	0.2015	0.1475	413.8
Y_3600_R		13,946	Cts/S	51.237	0.36739	13,946
Y_2243_A		7,292.5	Cts/S	18.312	0.25111	7,292.5
Y_3600_A		211,110	Cts/S	539.82	0.25570	211,110

SG4789-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:51:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3833	ug/L	1.119	291.9	-442.4
Al3961_R	W	46,630	ug/L	762.6	1.635	23,350
As1891_A		66.42	ug/L	0.3635	0.5472	16.53
Au2427_A		1.136	ug/L	0.08550	7.526	47.25
B_2089_A		15.36	ug/L	0.1184	0.7706	16.06
Ba4554_R		350.2	ug/L	4.973	1.420	10,850
Be3130_R		2.926	ug/L	0.06960	2.379	3.193
Ca3158_R		5,076	ug/L	77.28	1.523	3,968
Cd2265_A		1.899	ug/L	0.06198	3.263	57.19
Co2286_A		11.56	ug/L	0.08791	0.7601	73.80
Cr2677_A		70.48	ug/L	0.01647	0.02337	964.6
Cu3273_A		57.79	ug/L	0.1546	0.2675	651.8
Fe2599_R	W	67,140	ug/L	1,032	1.537	83,340
K_7664_R		2,847	ug/L	2.053	0.07211	1,300
Li6707_R		38.86	ug/L	0.9453	2.433	341.4
Mg2025_A		5,706	ug/L	14.32	0.2510	936.8
Mn2576_R		758.5	ug/L	15.16	1.998	4,708
Mo2020_A		5.074	ug/L	0.1728	3.405	9.266
Na5895_R		571.0	ug/L	5.383	0.9428	558.4
Ni2316_A		64.11	ug/L	0.3661	0.5710	111.1
Pb2203_A	W	1,042	ug/L	2.201	0.2112	952.1
Sb2068_A		2.102	ug/L	1.046	49.77	2.779
Se1960_A		1.597	ug/L	1.581	98.96	1.112
Si2516_R		3,698	ug/L	61.20	1.655	1,132
Sn1899_A		33.40	ug/L	0.002585	0.007741	15.31
Sr4215_R		48.67	ug/L	0.5468	1.123	1,863
Ti3349_A	W	3,865	ug/L	6.121	0.1584	95,650
Tl1908_A		1.579	ug/L	0.4644	29.41	-1.534
V_2924_A		230.3	ug/L	0.07067	0.03068	3,089
Zn2062_A		146.3	ug/L	0.09024	0.06168	446.2
Y_3600_R		14,005	Cts/S	60.015	0.42853	14,005
Y_2243_A		7,344.8	Cts/S	9.2834	0.12640	7,344.8
Y_3600_A		211,000	Cts/S	198.28	0.093972	211,000

SG4789-002L

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT

SG4789-002L

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 3:55:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1231	ug/L	1.524	1,238	-107.2
Al3961_R		48,160	ug/L	858.4	1.783	4,663
As1891_A		60.75	ug/L	1.943	3.198	2.037
Au2427_A		-4.347	ug/L	0.7096	16.32	6.754
B_2089_A		16.44	ug/L	0.2198	1.337	5.470
Ba4554_R		358.9	ug/L	4.585	1.278	2,144
Be3130_R		2.848	ug/L	0.2721	9.554	-16.65
Ca3158_R		5,236	ug/L	83.23	1.590	779.1
Cd2265_A		1.563	ug/L	0.2938	18.80	9.957
Co2286_A		11.92	ug/L	0.3496	2.932	18.97
Cr2677_A		70.40	ug/L	0.5591	0.7943	196.3
Cu3273_A		57.97	ug/L	5.813	10.03	161.8
Fe2599_R		69,650	ug/L	1,327	1.906	16,740
K_7664_R		2,860	ug/L	88.78	3.105	259.8
Li6707_R		50.88	ug/L	13.04	25.64	131.1
Mg2025_A		5,716	ug/L	50.25	0.8792	184.2
Mn2576_R		775.9	ug/L	3.112	0.4011	930.7
Mo2020_A		7.953	ug/L	0.1443	1.814	2.970
Na5895_R		622.7	ug/L	39.47	6.340	21.84
Ni2316_A		65.45	ug/L	0.4069	0.6217	21.95
Pb2203_A		1,049	ug/L	2.705	0.2578	189.2
Sb2068_A		0.3244	ug/L	1.014	312.5	1.466
Se1960_A		-2.679	ug/L	9.855	367.9	0.5949
Si2516_R		3,870	ug/L	40.64	1.050	238.2
Sn1899_A		36.29	ug/L	1.440	3.969	3.576
Sr4215_R		48.64	ug/L	0.7361	1.513	336.5
Ti3349_A		3,862	ug/L	45.59	1.180	19,010
Tl1908_A		-0.7306	ug/L	4.493	615.0	-0.2882
V_2924_A		230.7	ug/L	3.601	1.561	613.1
Zn2062_A		147.2	ug/L	0.6978	0.4741	89.66
Y_3600_R		13,554	Cts/S	240.97	1.7779	13,554
Y_2243_A		7,229.3	Cts/S	2.8226	0.039044	7,229.3
Y_3600_A		209,990	Cts/S	2,235.3	1.0644	209,990

SG4789-002A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:00:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		489.5	ug/L	0.6264	0.1280	8,127
Al3961_R	W	55,480	ug/L	567.2	1.022	27,670
As1891_A		558.1	ug/L	2.613	0.4683	157.3
Au2427_A		3.130	ug/L	0.4035	12.89	53.46
B_2089_A		508.7	ug/L	0.02534	0.004983	450.8
Ba4554_R		824.9	ug/L	8.444	1.024	25,480
Be3130_R		486.3	ug/L	5.329	1.096	31,840
Ca3158_R		10,430	ug/L	149.5	1.434	8,134
Cd2265_A		484.5	ug/L	0.6258	0.1292	5,842
Co2286_A		504.6	ug/L	0.003122	0.0006187	1,646
Cr2677_A		552.9	ug/L	0.1228	0.02222	7,409
Cu3273_A		553.8	ug/L	0.7682	0.1387	6,946
Fe2599_R	W	70,940	ug/L	798.2	1.125	87,670
K_7664_R		12,310	ug/L	92.28	0.7495	5,568
Li6707_R		515.3	ug/L	4.232	0.8213	3,749
Mg2025_A		10,990	ug/L	1.628	0.01481	1,800
Mn2576_R	W	1,218	ug/L	16.55	1.359	7,524
Mo2020_A		490.6	ug/L	2.679	0.5461	876.4

SG4789-002A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:00:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		5,849	ug/L	61.42	1.050	6,862
Ni2316_A		557.9	ug/L	0.2271	0.04071	1,004
Pb2203_A	W	1,511	ug/L	1.925	0.1274	1,362
Sb2068_A		490.3	ug/L	2.032	0.4145	158.7
Se1960_A		497.9	ug/L	1.197	0.2404	85.24
Si2516_R		3,901	ug/L	55.98	1.435	1,190
Sn1899_A		32.82	ug/L	0.4204	1.281	14.86
Sr4215_R		523.1	ug/L	6.746	1.290	20,230
Ti3349_A	W	4,277	ug/L	8.378	0.1959	104,500
Tl1908_A		498.0	ug/L	1.656	0.3326	217.3
V_2924_A		701.4	ug/L	2.563	0.3654	9,168
Zn2062_A		633.1	ug/L	0.1622	0.02563	1,900
Y_3600_R		13,945	Cts/S	271.62	1.9478	13,945
Y_2243_A		7,251.9	Cts/S	10.608	0.14628	7,251.9
Y_3600_A		208,220	Cts/S	618.98	0.29727	208,220

SG4789-002P

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:04:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.37	ug/L	0.07697	0.1528	392.6
Al3961_R	W	63,540	ug/L	454.2	0.7148	31,370
As1891_A		168.3	ug/L	0.03015	0.01791	45.24
Au2427_A		2.050	ug/L	0.5680	27.71	50.73
B_2089_A		484.6	ug/L	0.2144	0.04423	421.6
Ba4554_R	W	2,313	ug/L	20.58	0.8895	70,750
Be3130_R		53.01	ug/L	0.3849	0.7261	3,215
Ca3158_R		9,864	ug/L	79.73	0.8083	7,617
Cd2265_A		246.5	ug/L	0.02595	0.01053	2,976
Co2286_A		503.8	ug/L	0.07792	0.01547	1,643
Cr2677_A		278.8	ug/L	0.02912	0.01045	3,720
Cu3273_A		309.5	ug/L	0.06701	0.02165	3,778
Fe2599_R	W	73,230	ug/L	654.3	0.8934	89,580
K_7664_R		15,100	ug/L	97.38	0.6448	6,759
Li6707_R		528.9	ug/L	4.558	0.8618	3,807
Mg2025_A		11,910	ug/L	6.415	0.05386	1,937
Mn2576_R	W	1,401	ug/L	11.67	0.8328	8,568
Mo2020_A		290.0	ug/L	0.9721	0.3352	515.2
Na5895_R		7,904	ug/L	77.46	0.9800	9,222
Ni2316_A		559.7	ug/L	0.5364	0.09584	1,001
Pb2203_A	W	1,805	ug/L	0.3179	0.01761	1,620
Sb2068_A		63.54	ug/L	0.5944	0.9354	21.14
Se1960_A		101.4	ug/L	1.859	1.833	18.01
Si2516_R		4,524	ug/L	17.86	0.3947	1,364
Sn1899_A		513.7	ug/L	0.2853	0.05554	225.8
Sr4215_R		548.8	ug/L	6.100	1.112	21,010
Ti3349_A	W	5,353	ug/L	13.92	0.2601	130,000
Tl1908_A		101.5	ug/L	0.7387	0.7281	41.44
V_2924_A		727.8	ug/L	0.5006	0.06878	9,506
Zn2062_A		652.5	ug/L	1.358	0.2082	1,949
Y_3600_R		13,803	Cts/S	45.029	0.32623	13,803
Y_2243_A		7,213.4	Cts/S	29.115	0.40362	7,213.4
Y_3600_A		207,050	Cts/S	342.81	0.16557	207,050

SG4789-002S

Method Name: K6010-2011 Method Revision: 827

SG4789-002S

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:08:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.51	ug/L	0.7520	1.519	381.6
Al3961_R	W	62,860	ug/L	916.1	1.457	30,970
As1891_A		165.6	ug/L	1.474	0.8903	44.49
Au2427_A		3.619	ug/L	0.8610	23.79	54.50
B_2089_A		482.5	ug/L	0.5065	0.1050	419.7
Ba4554_R	W	2,315	ug/L	14.55	0.6286	70,640
Be3130_R		52.44	ug/L	0.6394	1.219	3,177
Ca3158_R		10,010	ug/L	107.0	1.069	7,710
Cd2265_A		241.6	ug/L	0.6207	0.2569	2,918
Co2286_A		495.5	ug/L	0.9947	0.2007	1,615
Cr2677_A		274.0	ug/L	0.01102	0.004023	3,626
Cu3273_A		306.8	ug/L	0.6237	0.2033	3,717
Fe2599_R	W	72,140	ug/L	1,002	1.389	88,070
K_7664_R		14,570	ug/L	123.4	0.8471	6,507
Li6707_R		520.9	ug/L	3.783	0.7263	3,743
Mg2025_A		11,550	ug/L	7.837	0.06785	1,879
Mn2576_R	W	1,464	ug/L	16.24	1.109	8,937
Mo2020_A		285.7	ug/L	2.206	0.7721	507.5
Na5895_R		7,759	ug/L	10.42	0.1343	9,032
Ni2316_A		552.2	ug/L	1.137	0.2059	987.9
Pb2203_A	W	1,740	ug/L	1.931	0.1110	1,561
Sb2068_A		65.58	ug/L	0.2347	0.3579	21.79
Se1960_A		97.81	ug/L	0.3872	0.3959	17.40
Si2516_R		4,693	ug/L	19.85	0.4229	1,412
Sn1899_A		504.8	ug/L	0.9939	0.1969	221.9
Sr4215_R		546.5	ug/L	6.193	1.133	20,880
Ti3349_A	W	5,213	ug/L	16.10	0.3089	125,500
Tl1908_A		97.57	ug/L	0.5996	0.6145	39.75
V_2924_A		714.2	ug/L	0.1973	0.02762	9,246
Zn2062_A		630.4	ug/L	0.2217	0.03517	1,883
Y_3600_R		13,773	Cts/S	150.10	1.0898	13,773
Y_2243_A		7,213.9	Cts/S	0.92706	0.012851	7,213.9
Y_3600_A		205,300	Cts/S	729.91	0.35554	205,300

SG4789-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:13:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.9554	ug/L	0.6001	62.81	-452.0
Al3961_R	W	49,270	ug/L	484.3	0.9830	24,620
As1891_A		68.06	ug/L	1.945	2.857	16.86
Au2427_A		1.539	ug/L	0.2023	13.15	50.84
B_2089_A		16.20	ug/L	1.109	6.843	16.80
Ba4554_R		352.1	ug/L	4.198	1.192	10,890
Be3130_R		3.202	ug/L	0.005071	0.1584	17.57
Ca3158_R		4,983	ug/L	56.55	1.135	3,887
Cd2265_A		2.052	ug/L	0.2113	10.30	60.63
Co2286_A		11.45	ug/L	0.1448	1.264	74.00
Cr2677_A		73.52	ug/L	0.1543	0.2099	999.7
Cu3273_A		62.17	ug/L	0.4861	0.7818	700.9
Fe2599_R	W	70,800	ug/L	892.8	1.261	87,690
K_7664_R		2,945	ug/L	9.302	0.3158	1,342
Li6707_R		38.34	ug/L	0.5513	1.438	336.9
Mg2025_A		5,940	ug/L	19.71	0.3319	972.3
Mn2576_R		764.1	ug/L	6.346	0.8305	4,732
Mo2020_A		6.989	ug/L	0.3405	4.872	12.69

SG4789-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:13:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		568.9	ug/L	19.89	3.497	554.7
Ni2316_A		66.82	ug/L	0.3739	0.5596	115.4
Pb2203_A	W	1,059	ug/L	3.550	0.3351	964.7
Sb2068_A		3.655	ug/L	1.073	29.37	3.311
Se1960_A		2.159	ug/L	0.5323	24.66	1.210
Si2516_R		3,941	ug/L	20.09	0.5098	1,203
Sn1899_A		34.42	ug/L	0.6991	2.031	15.72
Sr4215_R		48.85	ug/L	0.5915	1.211	1,865
Ti3349_A	W	3,955	ug/L	0.2268	0.005734	97,280
Tl1908_A		1.576	ug/L	0.1133	7.192	-1.579
V_2924_A		239.7	ug/L	0.2031	0.08471	3,194
Zn2062_A		151.9	ug/L	0.2335	0.1537	461.8
Y_3600_R		13,973	Cts/S	73.324	0.52474	13,973
Y_2243_A		7,322.1	Cts/S	6.3992	0.087397	7,322.1
Y_3600_A		209,700	Cts/S	904.98	0.43156	209,700

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:17:49PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		488.8	ug/L	1.271	0.2600	8,121
Al3961_R		12,420	ug/L	23.32	0.1877	5,851
As1891_A		509.4	ug/L	5.377	1.056	136.1
Au2427_A		498.7	ug/L	7.977	1.600	1,436
B_2089_A		506.7	ug/L	5.585	1.102	423.1
Ba4554_R		504.0	ug/L	2.918	0.5790	14,680
Be3130_R		500.7	ug/L	1.645	0.3285	31,090
Ca3158_R		12,650	ug/L	40.20	0.3178	9,313
Cd2265_A		514.2	ug/L	5.394	1.049	5,798
Co2286_A		520.3	ug/L	6.940	1.334	1,566
Cr2677_A		499.0	ug/L	0.5896	0.1182	6,396
Cu3273_A		498.0	ug/L	0.6083	0.1221	6,090
Fe2599_R		12,520	ug/L	99.89	0.7980	14,600
K_7664_R		12,360	ug/L	55.21	0.4466	5,273
Li6707_R		500.8	ug/L	1.744	0.3482	3,438
Mg2025_A		12,920	ug/L	144.3	1.117	1,986
Mn2576_R		500.6	ug/L	3.600	0.7192	2,915
Mo2020_A		522.0	ug/L	5.661	1.084	876.5
Na5895_R		12,560	ug/L	56.79	0.4522	14,030
Ni2316_A		520.9	ug/L	7.931	1.522	885.8
Pb2203_A		517.1	ug/L	4.079	0.7888	438.8
Sb2068_A		510.9	ug/L	7.668	1.501	153.2
Se1960_A		504.7	ug/L	10.33	2.047	81.06
Si2516_R		12,550	ug/L	68.33	0.5443	3,589
Sn1899_A		516.7	ug/L	3.576	0.6922	214.6
Sr4215_R		502.5	ug/L	1.885	0.3751	18,330
Ti3349_A		492.9	ug/L	0.7500	0.1522	11,510
Tl1908_A		519.6	ug/L	7.681	1.478	215.5
V_2924_A		492.7	ug/L	0.5725	0.1162	6,121
Zn2062_A		513.5	ug/L	6.597	1.285	1,449
Y_3600_R		13,154	Cts/S	4.0417	0.030726	13,154
Y_2243_A		6,817.1	Cts/S	88.033	1.2913	6,817.1
Y_3600_A		199,230	Cts/S	1,066.1	0.53514	199,230

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:22:09PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.07291	ug/L	0.5658	776.1	-17.48
Al3961_R		-8.042	ug/L	14.70	182.8	-9.110
As1891_A		1.173	ug/L	0.3716	31.69	-0.7499
Au2427_A		0.1092	ug/L	0.8260	756.7	0.8986
B_2089_A		1.185	ug/L	0.2524	21.30	3.628
Ba4554_R		-0.1193	ug/L	0.2100	176.0	-15.15
Be3130_R		0.01794	ug/L	0.03119	173.9	-18.73
Ca3158_R		5.033	ug/L	5.119	101.7	-12.41
Cd2265_A		-0.05151	ug/L	0.0008054	1.564	-1.488
Co2286_A		-0.07455	ug/L	0.1560	209.3	4.930
Cr2677_A		0.03167	ug/L	0.3184	1,005	5.982
Cu3273_A		-0.2464	ug/L	0.2342	95.05	35.80
Fe2599_R		1.674	ug/L	2.580	154.1	10.09
K_7664_R		-32.79	ug/L	15.86	48.37	-5.485
Li6707_R		-1.463	ug/L	1.659	113.5	48.77
Mg2025_A		-4.943	ug/L	2.092	42.32	-1.406
Mn2576_R		0.5121	ug/L	0.2776	54.22	1.403
Mo2020_A		2.045	ug/L	0.7007	34.27	3.712
Na5895_R		9.903	ug/L	14.37	145.1	-108.4
Ni2316_A		0.06036	ug/L	0.007384	12.23	-0.3250
Pb2203_A		-0.1480	ug/L	0.3714	251.0	0.5329
Sb2068_A		1.315	ug/L	1.681	127.8	1.665
Se1960_A		-0.8899	ug/L	0.6073	68.25	0.4887
Si2516_R		-1.221	ug/L	3.745	306.6	10.61
Sn1899_A		-0.01647	ug/L	0.01409	85.58	0.3700
Sr4215_R		0.01545	ug/L	0.1580	1,023	-28.40
Ti3349_A		0.8872	ug/L	0.1035	11.66	-0.2494
Tl1908_A		1.438	ug/L	0.1985	13.80	0.8868
V_2924_A		-0.08932	ug/L	0.2629	294.3	-4.539
Zn2062_A		0.04613	ug/L	0.1222	265.0	1.702
Y_3600_R		13,206	Cts/S	68.661	0.51991	13,206
Y_2243_A		7,085.3	Cts/S	49.367	0.69676	7,085.3
Y_3600_A		206,940	Cts/S	872.44	0.42160	206,940

SG4772-010A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:26:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		492.2	ug/L	0.2843	0.05777	7,977
Al3961_R	W	53,660	ug/L	506.0	0.9428	25,900
As1891_A		511.0	ug/L	9.719	1.902	141.7
Au2427_A		2.554	ug/L	0.5837	22.85	43.47
B_2089_A		494.5	ug/L	9.052	1.830	431.9
Ba4554_R		625.8	ug/L	8.924	1.426	18,690
Be3130_R		497.9	ug/L	4.722	0.9484	31,570
Ca3158_R		3,901	ug/L	65.14	1.670	2,934
Cd2265_A		487.4	ug/L	9.194	1.886	5,775
Co2286_A		510.8	ug/L	11.20	2.193	1,633
Cr2677_A		563.8	ug/L	0.9103	0.1615	7,316
Cu3273_A		566.9	ug/L	3.524	0.6216	6,907
Fe2599_R	W	60,900	ug/L	644.3	1.058	72,820
K_7664_R		7,535	ug/L	112.0	1.486	3,300
Li6707_R		532.9	ug/L	1.937	0.3635	3,749
Mg2025_A		6,889	ug/L	117.9	1.712	1,116
Mn2576_R	W	1,393	ug/L	18.84	1.353	8,322
Mo2020_A		503.8	ug/L	8.714	1.730	885.1

SG4772-010A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:26:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		871.1	ug/L	2.816	0.3233	884.7
Ni2316_A		543.2	ug/L	10.79	1.987	962.2
Pb2203_A		767.7	ug/L	12.82	1.669	678.5
Sb2068_A		484.6	ug/L	12.68	2.618	154.3
Se1960_A		494.1	ug/L	5.887	1.191	83.23
Si2516_R		3,161	ug/L	8.233	0.2605	935.5
Sn1899_A		23.86	ug/L	1.456	6.101	10.73
Sr4215_R		518.1	ug/L	6.664	1.286	19,380
Ti3349_A	W	3,689	ug/L	11.60	0.3145	87,250
Tl1908_A		502.0	ug/L	8.486	1.691	215.6
V_2924_A		665.8	ug/L	0.1386	0.02081	8,409
Zn2062_A		641.1	ug/L	12.68	1.978	1,893
Y_3600_R		13,490	Cts/S	81.632	0.60514	13,490
Y_2243_A		7,133.1	Cts/S	108.75	1.5246	7,133.1
Y_3600_A		201,620	Cts/S	263.33	0.13061	201,620

SG4789-004

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:31:05PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.915	ug/L	1.052	54.94	-600.0
Al3961_R	W	77,540	ug/L	2,095	2.702	38,020
As1891_A		38.18	ug/L	1.197	3.135	7.543
Au2427_A		0.4927	ug/L	0.6455	131.0	65.35
B_2089_A		10.05	ug/L	0.2129	2.119	11.44
Ba4554_R		142.1	ug/L	3.218	2.265	4,305
Be3130_R		3.997	ug/L	0.1095	2.740	28.29
Ca3158_R		3,367	ug/L	55.67	1.653	2,572
Cd2265_A		1.088	ug/L	0.004430	0.4073	62.01
Co2286_A		9.999	ug/L	0.2023	2.023	76.93
Cr2677_A		83.89	ug/L	0.1996	0.2379	1,143
Cu3273_A		65.10	ug/L	0.1743	0.2677	709.9
Fe2599_R	W	97,180	ug/L	2,559	2.633	118,100
K_7664_R		2,859	ug/L	28.83	1.009	1,278
Li6707_R		76.14	ug/L	5.299	6.959	596.4
Mg2025_A		7,506	ug/L	41.97	0.5592	1,227
Mn2576_R		847.9	ug/L	20.01	2.359	5,154
Mo2020_A		5.028	ug/L	0.2902	5.771	9.133
Na5895_R		670.3	ug/L	0.8005	0.1194	663.6
Ni2316_A		42.41	ug/L	0.6742	1.590	68.31
Pb2203_A		893.9	ug/L	6.135	0.6863	809.6
Sb2068_A		0.7399	ug/L	0.2477	33.48	2.780
Se1960_A		5.121	ug/L	1.665	32.52	1.762
Si2516_R		3,837	ug/L	99.52	2.594	1,149
Sn1899_A		27.96	ug/L	0.6691	2.393	12.83
Sr4215_R		33.92	ug/L	0.8585	2.531	1,262
Ti3349_A	W	4,879	ug/L	9.242	0.1894	120,300
Tl1908_A		0.9905	ug/L	0.5079	51.28	-2.297
V_2924_A		266.8	ug/L	0.4520	0.1694	3,570
Zn2062_A		149.2	ug/L	2.359	1.581	453.1
Y_3600_R		13,716	Cts/S	300.04	2.1875	13,716
Y_2243_A		7,313.0	Cts/S	17.140	0.23438	7,313.0
Y_3600_A		210,160	Cts/S	583.83	0.27780	210,160

SG4789-005

Method Name: K6010-2011 Method Revision: 827

SG4789-005

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:35:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.132	ug/L	0.5740	50.71	-397.5
Al3961_R	W	34,790	ug/L	600.4	1.726	17,030
As1891_A		35.25	ug/L	0.8076	2.291	7.469
Au2427_A		0.6629	ug/L	1.682	253.8	43.46
B_2089_A		13.31	ug/L	0.3793	2.851	14.07
Ba4554_R		170.1	ug/L	1.679	0.9874	5,147
Be3130_R		2.598	ug/L	0.04474	1.722	5.313
Ca3158_R		6,160	ug/L	18.68	0.3033	4,711
Cd2265_A		1.642	ug/L	0.09278	5.650	51.17
Co2286_A		9.049	ug/L	0.1175	1.299	60.82
Cr2677_A		64.75	ug/L	0.8019	1.238	869.6
Cu3273_A		45.34	ug/L	1.490	3.286	497.8
Fe2599_R	W	63,780	ug/L	939.8	1.473	77,390
K_7664_R		2,866	ug/L	101.9	3.557	1,279
Li6707_R		30.82	ug/L	0.5776	1.874	277.3
Mg2025_A		5,336	ug/L	31.22	0.5852	862.5
Mn2576_R		586.6	ug/L	5.902	1.006	3,559
Mo2020_A		5.112	ug/L	0.4474	8.751	9.175
Na5895_R		567.5	ug/L	9.315	1.641	541.7
Ni2316_A		54.93	ug/L	0.3500	0.6371	93.08
Pb2203_A	W	2,171	ug/L	10.85	0.5000	1,958
Sb2068_A		2.689	ug/L	0.01474	0.5481	2.805
Se1960_A		1.972	ug/L	2.499	126.7	1.129
Si2516_R		3,342	ug/L	22.93	0.6862	1,001
Sn1899_A		32.28	ug/L	0.8585	2.660	14.58
Sr4215_R		48.38	ug/L	0.3887	0.8034	1,810
Ti3349_A	W	3,360	ug/L	17.14	0.5101	81,550
Tl1908_A		1.783	ug/L	1.517	85.08	-1.108
V_2924_A		272.0	ug/L	2.098	0.7714	3,577
Zn2062_A		144.3	ug/L	0.9147	0.6340	433.3
Y_3600_R		13,690	Cts/S	44.913	0.32808	13,690
Y_2243_A		7,231.7	Cts/S	32.009	0.44262	7,231.7
Y_3600_A		206,950	Cts/S	22.829	0.011031	206,950

SG4789-006

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:39:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.542	ug/L	0.2928	18.99	-566.2
Al3961_R	W	66,130	ug/L	550.3	0.8321	32,290
As1891_A		40.94	ug/L	1.352	3.303	8.387
Au2427_A		1.779	ug/L	1.368	76.87	66.23
B_2089_A		11.68	ug/L	0.2561	2.193	12.67
Ba4554_R		141.5	ug/L	1.136	0.8030	4,269
Be3130_R		3.320	ug/L	0.04861	1.464	13.18
Ca3158_R		2,823	ug/L	26.29	0.9312	2,145
Cd2265_A		1.476	ug/L	0.1267	8.583	63.05
Co2286_A		8.711	ug/L	0.1812	2.081	67.11
Cr2677_A		75.15	ug/L	0.6350	0.8450	1,013
Cu3273_A		52.11	ug/L	0.4306	0.8263	557.8
Fe2599_R	W	92,250	ug/L	616.2	0.6680	111,600
K_7664_R		2,738	ug/L	3.318	0.1212	1,219
Li6707_R		65.14	ug/L	2.727	4.186	517.0
Mg2025_A		6,064	ug/L	24.62	0.4059	980.6
Mn2576_R		589.4	ug/L	8.245	1.399	3,570
Mo2020_A		4.110	ug/L	0.06007	1.462	7.391

SG4789-006

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:39:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		481.8	ug/L	6.961	1.445	440.1
Ni2316_A		44.45	ug/L	0.3432	0.7722	71.67
Pb2203_A		936.6	ug/L	5.359	0.5722	840.5
Sb2068_A		1.546	ug/L	0.1076	6.960	2.870
Se1960_A		2.504	ug/L	0.4545	18.15	1.258
Si2516_R		3,698	ug/L	41.08	1.111	1,103
Sn1899_A		27.19	ug/L	0.3944	1.451	12.34
Sr4215_R		28.47	ug/L	0.3884	1.364	1,050
Ti3349_A	W	4,240	ug/L	10.37	0.2447	103,300
Tl1908_A		1.221	ug/L	0.002291	0.1875	-1.709
V_2924_A		278.8	ug/L	1.143	0.4098	3,691
Zn2062_A		120.7	ug/L	1.116	0.9241	362.8
Y_3600_R		13,655	Cts/S	134.05	0.98166	13,655
Y_2243_A		7,232.9	Cts/S	26.841	0.37110	7,232.9
Y_3600_A		207,780	Cts/S	171.02	0.082310	207,780

SG4789-007

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:44:24PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6654	ug/L	0.01878	2.822	-458.9
Al3961_R	W	58,530	ug/L	476.3	0.8137	29,240
As1891_A		38.58	ug/L	0.1201	0.3113	8.237
Au2427_A		1.453	ug/L	0.06973	4.800	51.41
B_2089_A		9.830	ug/L	0.009097	0.09255	11.16
Ba4554_R		114.6	ug/L	0.7953	0.6937	3,535
Be3130_R		2.993	ug/L	0.07792	2.603	17.89
Ca3158_R		3,090	ug/L	35.48	1.148	2,402
Cd2265_A		1.099	ug/L	0.07591	6.908	48.92
Co2286_A		10.89	ug/L	0.03297	0.3026	69.41
Cr2677_A		67.95	ug/L	0.3498	0.5148	920.8
Cu3273_A		50.23	ug/L	0.04301	0.08562	558.0
Fe2599_R	W	71,790	ug/L	837.5	1.167	88,850
K_7664_R		2,646	ug/L	4.190	0.1583	1,206
Li6707_R		54.90	ug/L	2.895	5.273	455.5
Mg2025_A		6,416	ug/L	57.81	0.9009	1,044
Mn2576_R		656.3	ug/L	5.859	0.8927	4,063
Mo2020_A		3.845	ug/L	0.1742	4.530	6.977
Na5895_R		608.6	ug/L	9.985	1.640	601.9
Ni2316_A		47.19	ug/L	0.09504	0.2014	78.91
Pb2203_A	W	4,479	ug/L	34.86	0.7783	4,063
Sb2068_A		5.950	ug/L	0.5359	9.006	4.084
Se1960_A		-0.2681	ug/L	0.04999	18.65	0.7798
Si2516_R		3,474	ug/L	30.78	0.8858	1,061
Sn1899_A		31.36	ug/L	0.9244	2.948	14.27
Sr4215_R		34.42	ug/L	0.1762	0.5120	1,304
Ti3349_A	W	3,638	ug/L	0.8854	0.02434	89,120
Tl1908_A		2.267	ug/L	0.7497	33.07	-0.9838
V_2924_A		230.4	ug/L	0.2614	0.1135	3,060
Zn2062_A		142.0	ug/L	0.6887	0.4850	429.2
Y_3600_R		13,966	Cts/S	33.522	0.24003	13,966
Y_2243_A		7,277.3	Cts/S	37.641	0.51723	7,277.3
Y_3600_A		208,870	Cts/S	1,479.8	0.70847	208,870

SG4789-008

Method Name: K6010-2011 Method Revision: 827

SG4789-008

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:48:49PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.124	ug/L	0.2182	19.42	-496.4
Al3961_R	W	58,630	ug/L	955.0	1.629	29,250
As1891_A		56.69	ug/L	1.643	2.899	13.25
Au2427_A		1.317	ug/L	0.4711	35.77	55.46
B_2089_A		12.60	ug/L	0.7220	5.728	13.47
Ba4554_R		131.9	ug/L	1.615	1.225	4,066
Be3130_R		2.873	ug/L	0.1885	6.563	-10.01
Ca3158_R		3,082	ug/L	54.85	1.780	2,394
Cd2265_A		1.333	ug/L	0.1230	9.222	55.09
Co2286_A		9.054	ug/L	0.2190	2.419	66.88
Cr2677_A		73.06	ug/L	1.745	2.389	994.9
Cu3273_A		48.65	ug/L	1.340	2.753	524.4
Fe2599_R	W	78,470	ug/L	1,381	1.760	97,030
K_7664_R		2,396	ug/L	26.84	1.120	1,092
Li6707_R		54.47	ug/L	1.551	2.847	451.9
Mg2025_A		5,958	ug/L	52.42	0.8798	966.0
Mn2576_R		629.1	ug/L	8.642	1.374	3,891
Mo2020_A		3.693	ug/L	0.1191	3.226	6.677
Na5895_R		853.2	ug/L	10.83	1.269	893.7
Ni2316_A		38.85	ug/L	0.5015	1.291	62.95
Pb2203_A	W	6,647	ug/L	52.48	0.7896	6,012
Sb2068_A		11.60	ug/L	0.3709	3.198	5.917
Se1960_A		1.976	ug/L	1.406	71.14	1.160
Si2516_R		3,525	ug/L	82.64	2.344	1,076
Sn1899_A		30.69	ug/L	1.178	3.838	13.92
Sr4215_R		42.41	ug/L	0.8460	1.995	1,613
Ti3349_A	W	4,092	ug/L	65.90	1.611	100,800
Tl1908_A		1.006	ug/L	0.8228	81.81	-1.762
V_2924_A		253.5	ug/L	3.768	1.486	3,390
Zn2062_A		126.4	ug/L	0.9232	0.7302	380.9
Y_3600_R		13,953	Cts/S	10.832	0.077633	13,953
Y_2243_A		7,252.3	Cts/S	34.452	0.47506	7,252.3
Y_3600_A		210,040	Cts/S	1,587.0	0.75557	210,040

SG4789-009

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:53:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3368	ug/L	0.6933	205.8	-644.1
Al3961_R	W	74,680	ug/L	834.0	1.117	36,950
As1891_A		31.55	ug/L	1.364	4.324	5.409
Au2427_A		3.719	ug/L	0.3262	8.771	73.66
B_2089_A		5.443	ug/L	0.5990	11.00	7.203
Ba4554_R		188.8	ug/L	2.741	1.451	5,776
Be3130_R		4.854	ug/L	0.04230	0.8715	20.91
Ca3158_R		9,453	ug/L	149.4	1.581	7,315
Cd2265_A		0.8073	ug/L	0.08031	9.947	60.40
Co2286_A		41.50	ug/L	0.1124	0.2708	184.0
Cr2677_A		119.6	ug/L	0.1132	0.09463	1,583
Cu3273_A		78.60	ug/L	0.6873	0.8744	811.3
Fe2599_R	W	101,200	ug/L	1,436	1.419	124,000
K_7664_R		12,850	ug/L	67.42	0.5248	5,764
Li6707_R		139.0	ug/L	6.905	4.967	1,048
Mg2025_A	W	27,900	ug/L	36.81	0.1320	4,448
Mn2576_R	W	1,451	ug/L	26.68	1.838	8,897
Mo2020_A		1.694	ug/L	0.003194	0.1885	3.078

SG4789-009

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:53:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		760.5	ug/L	14.81	1.948	776.2
Ni2316_A		102.8	ug/L	0.1314	0.1279	173.7
Pb2203_A		140.9	ug/L	0.1099	0.07799	119.8
Sb2068_A		1.033	ug/L	1.076	104.2	2.922
Se1960_A		-2.782	ug/L	1.981	71.18	0.4862
Si2516_R		3,293	ug/L	13.64	0.4141	996.8
Sn1899_A		31.85	ug/L	0.8308	2.608	14.20
Sr4215_R		44.70	ug/L	0.08713	0.1949	1,687
Ti3349_A	W	6,268	ug/L	16.33	0.2605	150,400
Tl1908_A		1.218	ug/L	2.894	237.6	-3.219
V_2924_A		208.7	ug/L	0.2029	0.09724	2,713
Zn2062_A		237.4	ug/L	1.207	0.5086	702.3
Y_3600_R		13,834	Cts/S	46.996	0.33970	13,834
Y_2243_A		7,133.6	Cts/S	30.340	0.42531	7,133.6
Y_3600_A		204,540	Cts/S	734.70	0.35920	204,540

SG4789-009L

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 4:57:41PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.873	ug/L	3.541	123.2	-137.0
Al3961_R		75,850	ug/L	1,230	1.621	7,343
As1891_A		31.17	ug/L	3.288	10.55	0.1787
Au2427_A		4.760	ug/L	2.523	53.00	15.85
B_2089_A		6.044	ug/L	0.5081	8.407	3.573
Ba4554_R		191.3	ug/L	4.462	2.332	1,136
Be3130_R		5.008	ug/L	0.05175	1.033	-10.87
Ca3158_R		9,486	ug/L	124.1	1.308	1,424
Cd2265_A		0.3485	ug/L	0.3325	95.39	10.34
Co2286_A		43.83	ug/L	0.6007	1.370	41.92
Cr2677_A		121.5	ug/L	1.285	1.058	324.9
Cu3273_A		81.21	ug/L	1.534	1.889	198.4
Fe2599_R		103,300	ug/L	1,592	1.541	24,800
K_7664_R		12,730	ug/L	693.1	5.446	1,124
Li6707_R		143.2	ug/L	9.085	6.344	259.2
Mg2025_A		28,800	ug/L	100.8	0.3502	904.3
Mn2576_R		1,469	ug/L	26.08	1.775	1,762
Mo2020_A		2.659	ug/L	0.8933	33.60	1.057
Na5895_R		866.2	ug/L	96.52	11.14	78.30
Ni2316_A		105.4	ug/L	0.5669	0.5376	34.79
Pb2203_A		144.5	ug/L	1.627	1.126	24.75
Sb2068_A		1.844	ug/L	2.553	138.4	1.632
Se1960_A		-9.606	ug/L	2.245	23.37	0.3775
Si2516_R		3,239	ug/L	99.08	3.059	200.9
Sn1899_A		29.02	ug/L	0.8840	3.046	2.856
Sr4215_R		43.74	ug/L	0.6891	1.575	299.4
Ti3349_A	W	6,349	ug/L	34.98	0.5509	30,350
Tl1908_A		6.309	ug/L	1.371	21.73	0.004302
V_2924_A		214.1	ug/L	2.734	1.277	552.5
Zn2062_A		242.4	ug/L	1.496	0.6170	142.6
Y_3600_R		13,542	Cts/S	155.42	1.1477	13,542
Y_2243_A		7,028.9	Cts/S	9.3588	0.13315	7,028.9
Y_3600_A		203,870	Cts/S	182.15	0.089346	203,870

SG4789-009A

Method Name: K6010-2011 Method Revision: 827

SG4789-009A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:02:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		428.4	ug/L	17.49	4.082	6,719
Al3961_R	W	76,290	ug/L	1,137	1.491	37,670
As1891_A		342.3	ug/L	57.12	16.69	93.07
Au2427_A		5.206	ug/L	0.9930	19.08	77.32
B_2089_A		332.9	ug/L	58.37	17.53	290.7
Ba4554_R		761.7	ug/L	22.87	3.003	23,280
Be3130_R		578.8	ug/L	26.89	4.646	37,440
Ca3158_R		14,570	ug/L	226.7	1.556	11,260
Cd2265_A		304.1	ug/L	56.48	18.58	3,635
Co2286_A		345.4	ug/L	57.34	16.60	1,138
Cr2677_A		533.4	ug/L	15.12	2.834	7,016
Cu3273_A		505.8	ug/L	17.16	3.394	6,136
Fe2599_R	W	103,100	ug/L	851.1	0.8252	126,200
K_7664_R		24,230	ug/L	340.1	1.403	10,840
Li6707_R		706.5	ug/L	17.82	2.522	5,064
Mg2025_A	W	29,990	ug/L	634.4	2.116	4,791
Mn2576_R	W	1,972	ug/L	17.71	0.8978	12,060
Mo2020_A		310.8	ug/L	56.86	18.30	545.9
Na5895_R		6,703	ug/L	283.0	4.222	7,802
Ni2316_A		405.0	ug/L	57.43	14.18	712.1
Pb2203_A		450.8	ug/L	58.39	12.95	394.9
Sb2068_A		305.8	ug/L	57.32	18.74	99.06
Se1960_A		328.8	ug/L	60.47	18.39	55.79
Si2516_R		3,453	ug/L	4.528	0.1311	1,044
Sn1899_A		30.06	ug/L	0.2314	0.7698	13.42
Sr4215_R		609.2	ug/L	24.81	4.072	23,320
Ti3349_A	W	6,589	ug/L	7.806	0.1185	157,900
Tl1908_A		334.7	ug/L	58.52	17.48	141.1
V_2924_A		621.4	ug/L	16.86	2.713	7,980
Zn2062_A		537.6	ug/L	57.87	10.76	1,587
Y_3600_R		13,803	Cts/S	60.697	0.43975	13,803
Y_2243_A		7,131.7	Cts/S	8.6568	0.12138	7,131.7
Y_3600_A		204,270	Cts/S	1,322.6	0.64749	204,270

SG4789-009P

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:06:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.48	ug/L	0.4354	0.8799	180.2
Al3961_R	W	81,520	ug/L	1,525	1.870	39,990
As1891_A		124.4	ug/L	2.515	2.022	31.52
Au2427_A		6.180	ug/L	1.734	28.05	79.31
B_2089_A		481.3	ug/L	0.5390	0.1120	412.3
Ba4554_R	W	2,138	ug/L	27.29	1.276	64,960
Be3130_R		53.79	ug/L	0.7056	1.312	3,135
Ca3158_R		15,120	ug/L	158.4	1.047	11,610
Cd2265_A		241.0	ug/L	1.124	0.4663	2,882
Co2286_A		525.4	ug/L	2.307	0.4392	1,703
Cr2677_A		316.8	ug/L	6.337	2.000	4,144
Cu3273_A		321.4	ug/L	5.107	1.589	3,768
Fe2599_R	W	103,200	ug/L	1,698	1.646	125,400
K_7664_R		23,730	ug/L	349.0	1.471	10,550
Li6707_R		627.2	ug/L	7.039	1.122	4,474
Mg2025_A	W	32,600	ug/L	114.0	0.3495	5,191
Mn2576_R	W	2,132	ug/L	36.39	1.707	12,950
Mo2020_A		288.9	ug/L	0.5205	0.1802	505.3

SG4789-009P

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:06:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		8,124	ug/L	54.95	0.6765	9,422
Ni2316_A		585.3	ug/L	1.807	0.3087	1,029
Pb2203_A		229.7	ug/L	0.3740	0.1629	197.0
Sb2068_A		53.65	ug/L	1.407	2.623	18.17
Se1960_A		93.71	ug/L	2.716	2.898	16.58
Si2516_R		4,379	ug/L	85.27	1.947	1,312
Sn1899_A		516.9	ug/L	4.870	0.9423	223.6
Sr4215_R		537.2	ug/L	6.958	1.295	20,430
Ti3349_A	W	7,814	ug/L	189.7	2.427	186,000
Tl1908_A		97.95	ug/L	1.182	1.206	37.63
V_2924_A		687.7	ug/L	16.15	2.348	8,801
Zn2062_A		713.8	ug/L	3.132	0.4388	2,099
Y_3600_R		13,715	Cts/S	96.224	0.70160	13,715
Y_2243_A		7,102.2	Cts/S	33.086	0.46586	7,102.2
Y_3600_A		202,980	Cts/S	2,565.7	1.2640	202,980

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:10:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		486.3	ug/L	1.318	0.2711	8,136
Al3961_R		11,920	ug/L	52.35	0.4390	5,696
As1891_A		490.4	ug/L	4.782	0.9751	134.5
Au2427_A		482.6	ug/L	1.192	0.2471	1,427
B_2089_A		488.9	ug/L	2.290	0.4684	419.1
Ba4554_R		491.7	ug/L	4.093	0.8324	14,520
Be3130_R		486.2	ug/L	3.554	0.7310	30,610
Ca3158_R		12,240	ug/L	197.1	1.610	9,140
Cd2265_A		497.0	ug/L	0.2841	0.05716	5,750
Co2286_A		502.5	ug/L	0.4008	0.07976	1,552
Cr2677_A		496.2	ug/L	0.1035	0.02086	6,404
Cu3273_A		494.3	ug/L	0.8305	0.1680	6,086
Fe2599_R		12,160	ug/L	83.46	0.6865	14,380
K_7664_R		11,970	ug/L	99.25	0.8290	5,180
Li6707_R		488.3	ug/L	3.466	0.7097	3,402
Mg2025_A		12,440	ug/L	31.02	0.2493	1,962
Mn2576_R		484.5	ug/L	5.153	1.063	2,862
Mo2020_A		505.1	ug/L	1.006	0.1992	870.5
Na5895_R		12,230	ug/L	169.2	1.383	13,860
Ni2316_A		505.5	ug/L	1.874	0.3707	882.2
Pb2203_A		500.8	ug/L	0.2030	0.04053	436.1
Sb2068_A		494.1	ug/L	0.4614	0.09339	152.1
Se1960_A		485.7	ug/L	1.795	0.3696	80.08
Si2516_R		12,090	ug/L	104.8	0.8672	3,505
Sn1899_A		497.7	ug/L	0.7930	0.1593	212.2
Sr4215_R		490.6	ug/L	3.675	0.7490	18,150
Ti3349_A		488.5	ug/L	1.003	0.2053	11,480
Tl1908_A		502.4	ug/L	0.8014	0.1595	213.8
V_2924_A		487.7	ug/L	0.8705	0.1785	6,102
Zn2062_A		497.7	ug/L	1.404	0.2821	1,441
Y_3600_R		13,341	Cts/S	231.85	1.7379	13,341
Y_2243_A		6,995.9	Cts/S	16.390	0.23428	6,995.9
Y_3600_A		200,600	Cts/S	258.80	0.12901	200,600

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:15:14PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3835	ug/L	0.3953	103.1	-12.01
Al3961_R		-18.03	ug/L	4.081	22.63	-13.86
As1891_A		-0.4366	ug/L	0.07068	16.19	-1.210
Au2427_A		-0.01055	ug/L	0.1023	970.1	0.5369
B_2089_A		1.527	ug/L	0.1672	10.95	3.937
Ba4554_R		0.2749	ug/L	0.05842	21.25	-3.639
Be3130_R		0.02878	ug/L	0.07732	268.6	-18.10
Ca3158_R		0.6925	ug/L	8.366	1,208	-15.67
Cd2265_A		-0.003362	ug/L	0.01452	431.7	-0.9326
Co2286_A		-0.1021	ug/L	0.1365	133.7	4.884
Cr2677_A		0.05725	ug/L	0.1683	294.0	6.318
Cu3273_A		0.03700	ug/L	1.060	2,864	39.39
Fe2599_R		2.260	ug/L	1.160	51.35	10.82
K_7664_R		-41.53	ug/L	12.79	30.79	-9.261
Li6707_R		1.291	ug/L	2.554	197.8	67.60
Mg2025_A		0.8040	ug/L	4.133	514.1	-0.5061
Mn2576_R		0.1506	ug/L	0.1730	114.8	-0.7186
Mo2020_A		1.855	ug/L	0.02744	1.479	3.413
Na5895_R		23.04	ug/L	3.685	15.99	-93.78
Ni2316_A		0.1272	ug/L	0.5409	425.2	-0.2013
Pb2203_A		-1.495	ug/L	0.5458	36.51	-0.6667
Sb2068_A		0.4417	ug/L	0.004116	0.9319	1.409
Se1960_A		-1.130	ug/L	2.552	225.8	0.4561
Si2516_R		7.480	ug/L	3.253	43.50	13.14
Sn1899_A		-0.6716	ug/L	0.1148	17.10	0.08873
Sr4215_R		-0.3062	ug/L	0.1384	45.21	-40.32
Ti3349_A		0.9259	ug/L	0.07114	7.684	0.6985
Tl1908_A		1.591	ug/L	0.1304	8.196	0.9604
V_2924_A		-0.1407	ug/L	0.3891	276.6	-5.184
Zn2062_A		-0.03715	ug/L	0.09919	267.0	1.469
Y_3600_R		13,249	Cts/S	28.059	0.21179	13,249
Y_2243_A		7,141.0	Cts/S	110.95	1.5537	7,141.0
Y_3600_A		206,740	Cts/S	1,292.8	0.62531	206,740

SG4789-009S

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:19:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.69	ug/L	0.5312	1.069	149.4
Al3961_R	W	87,410	ug/L	1,593	1.822	43,410
As1891_A		127.5	ug/L	0.1467	0.1150	32.82
Au2427_A		6.322	ug/L	0.5746	9.088	84.76
B_2089_A		476.2	ug/L	1.558	0.3270	415.1
Ba4554_R	W	2,154	ug/L	24.74	1.149	66,270
Be3130_R		54.20	ug/L	0.7237	1.335	3,192
Ca3158_R		15,790	ug/L	115.2	0.7294	12,280
Cd2265_A		241.5	ug/L	0.1154	0.04780	2,941
Co2286_A		525.8	ug/L	0.5873	0.1117	1,736
Cr2677_A		327.4	ug/L	0.6181	0.1888	4,337
Cu3273_A		326.7	ug/L	1.229	0.3761	3,875
Fe2599_R	W	109,200	ug/L	1,743	1.596	134,400
K_7664_R		24,100	ug/L	337.6	1.401	10,840
Li6707_R		623.7	ug/L	5.714	0.9162	4,505
Mg2025_A	W	33,790	ug/L	41.35	0.1224	5,475
Mn2576_R	W	2,248	ug/L	29.14	1.296	13,830
Mo2020_A		283.2	ug/L	1.879	0.6634	504.2

SG4789-009S

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:19:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		8,230	ug/L	64.02	0.7779	9,665
Ni2316_A		589.1	ug/L	0.05072	0.008609	1,053
Pb2203_A		250.1	ug/L	1.371	0.5481	218.4
Sb2068_A		48.05	ug/L	1.157	2.409	16.85
Se1960_A		92.16	ug/L	2.714	2.945	16.63
Si2516_R		4,280	ug/L	12.82	0.2997	1,298
Sn1899_A		510.8	ug/L	0.8672	0.1698	225.0
Sr4215_R		546.4	ug/L	7.687	1.407	21,040
Ti3349_A	W	8,013	ug/L	25.16	0.3140	193,200
Tl1908_A		96.89	ug/L	1.315	1.357	37.66
V_2924_A		706.7	ug/L	1.875	0.2654	9,158
Zn2062_A		718.1	ug/L	0.8429	0.1174	2,149
Y_3600_R		13,885	Cts/S	145.78	1.0499	13,885
Y_2243_A		7,227.7	Cts/S	2.3318	0.032262	7,227.7
Y_3600_A		205,500	Cts/S	1,017.3	0.49501	205,500

SG4789-010

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:24:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3162	ug/L	0.8315	262.9	-785.9
Al3961_R	W	91,930	ug/L	1,854	2.016	45,760
As1891_A		37.25	ug/L	0.04898	0.1315	6.581
Au2427_A		5.498	ug/L	0.4904	8.920	93.15
B_2089_A		7.563	ug/L	0.6743	8.915	9.162
Ba4554_R		235.7	ug/L	4.827	2.048	7,258
Be3130_R		5.948	ug/L	0.09094	1.529	26.23
Ca3158_R		12,450	ug/L	231.6	1.861	9,698
Cd2265_A		0.9004	ug/L	0.004324	0.4803	73.64
Co2286_A		50.69	ug/L	0.4904	0.9674	227.2
Cr2677_A		146.3	ug/L	0.07131	0.04873	1,948
Cu3273_A		95.99	ug/L	0.03892	0.04054	985.1
Fe2599_R	W	122,800	ug/L	2,528	2.058	151,500
K_7664_R		15,380	ug/L	181.3	1.179	6,939
Li6707_R		168.9	ug/L	1.168	0.6914	1,268
Mg2025_A	W	32,970	ug/L	173.4	0.5260	5,322
Mn2576_R	W	1,814	ug/L	32.21	1.775	11,190
Mo2020_A		4.066	ug/L	0.2235	5.496	7.324
Na5895_R		1,026	ug/L	0.8662	0.08440	1,098
Ni2316_A		126.1	ug/L	0.1294	0.1026	216.1
Pb2203_A		189.3	ug/L	1.874	0.9899	163.5
Sb2068_A		-0.1786	ug/L	2.929	1,640	2.897
Se1960_A		1.237	ug/L	0.4233	34.21	1.243
Si2516_R		4,402	ug/L	33.17	0.7536	1,337
Sn1899_A		31.63	ug/L	1.061	3.356	14.28
Sr4215_R		61.00	ug/L	1.114	1.826	2,328
Ti3349_A	W	7,777	ug/L	0.7020	0.009027	187,900
Tl1908_A		1.889	ug/L	0.5534	29.29	-3.949
V_2924_A		258.9	ug/L	0.7401	0.2859	3,389
Zn2062_A		276.3	ug/L	0.3637	0.1316	827.0
Y_3600_R		13,919	Cts/S	6.7854	0.048748	13,919
Y_2243_A		7,221.1	Cts/S	16.544	0.22910	7,221.1
Y_3600_A		205,950	Cts/S	1,294.2	0.62843	205,950

SG4789-011

Method Name: K6010-2011 Method Revision: 827

SG4789-011

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:28:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2934	ug/L	0.3057	104.2	-558.6
Al3961_R	W	50,640	ug/L	1,032	2.037	25,200
As1891_A		39.14	ug/L	0.1215	0.3105	8.017
Au2427_A		3.743	ug/L	1.035	27.66	66.36
B_2089_A		6.299	ug/L	0.05261	0.8351	8.043
Ba4554_R		151.8	ug/L	2.387	1.573	4,668
Be3130_R		4.407	ug/L	0.06791	1.541	38.31
Ca3158_R		4,424	ug/L	48.95	1.106	3,435
Cd2265_A		1.105	ug/L	0.02637	2.386	56.22
Co2286_A		16.35	ug/L	0.3136	1.918	98.05
Cr2677_A		80.42	ug/L	0.8745	1.087	1,092
Cu3273_A		48.44	ug/L	0.2907	0.6001	478.4
Fe2599_R	W	85,300	ug/L	1,442	1.691	105,200
K_7664_R		3,849	ug/L	15.97	0.4149	1,744
Li6707_R		75.27	ug/L	0.6691	0.8889	599.3
Mg2025_A		11,850	ug/L	69.13	0.5834	1,905
Mn2576_R		763.1	ug/L	10.23	1.340	4,708
Mo2020_A		3.597	ug/L	0.1157	3.218	6.461
Na5895_R		695.7	ug/L	5.655	0.8128	703.6
Ni2316_A		50.95	ug/L	0.04586	0.09001	83.53
Pb2203_A	W	4,612	ug/L	22.96	0.4979	4,136
Sb2068_A		3.388	ug/L	1.996	58.92	3.309
Se1960_A		-1.618	ug/L	4.081	252.3	0.5737
Si2516_R		3,605	ug/L	10.59	0.2937	1,097
Sn1899_A		30.97	ug/L	0.1395	0.4503	13.93
Sr4215_R		38.03	ug/L	0.1957	0.5146	1,439
Ti3349_A	W	5,239	ug/L	54.59	1.042	128,700
Tl1908_A		1.008	ug/L	0.03005	2.983	-2.425
V_2924_A		220.7	ug/L	1.203	0.5451	2,953
Zn2062_A		156.8	ug/L	0.6915	0.4410	468.1
Y_3600_R		13,917	Cts/S	28.170	0.20241	13,917
Y_2243_A		7,191.3	Cts/S	27.542	0.38298	7,191.3
Y_3600_A		209,490	Cts/S	613.58	0.29288	209,490

SG4789-012

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:33:03PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1396	ug/L	0.1384	99.14	-511.1
Al3961_R	W	57,760	ug/L	736.1	1.275	28,870
As1891_A		65.26	ug/L	0.02864	0.04388	15.77
Au2427_A		3.794	ug/L	0.01245	0.3282	57.62
B_2089_A		10.00	ug/L	0.2850	2.850	11.26
Ba4554_R		255.9	ug/L	2.861	1.118	7,914
Be3130_R		2.895	ug/L	0.05871	2.028	-64.36
Ca3158_R		23,870	ug/L	334.1	1.400	18,690
Cd2265_A		0.9821	ug/L	0.02922	2.975	51.45
Co2286_A		25.31	ug/L	0.1238	0.4892	127.8
Cr2677_A		157.9	ug/L	0.9035	0.5721	2,117
Cu3273_A		76.46	ug/L	1.329	1.738	829.3
Fe2599_R	W	76,760	ug/L	1,049	1.367	95,080
K_7664_R		14,040	ug/L	192.0	1.368	6,361
Li6707_R		85.85	ug/L	1.334	1.553	677.7
Mg2025_A		21,970	ug/L	198.0	0.9009	3,568
Mn2576_R	W	1,692	ug/L	20.38	1.205	10,470
Mo2020_A		3.052	ug/L	0.1688	5.530	5.576

SG4789-012

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:33:03PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,884	ug/L	27.62	1.466	2,129
Ni2316_A		104.1	ug/L	1.007	0.9670	181.6
Pb2203_A		330.9	ug/L	2.948	0.8910	295.8
Sb2068_A		1.180	ug/L	1.044	88.45	2.923
Se1960_A		-2.740	ug/L	4.645	169.5	0.5024
Si2516_R		2,393	ug/L	16.10	0.6731	735.0
Sn1899_A		27.27	ug/L	0.2997	1.099	12.44
Sr4215_R		150.1	ug/L	1.233	0.8216	5,796
Ti3349_A	W	5,294	ug/L	3.861	0.07294	128,900
Tl1908_A		2.635	ug/L	1.040	39.45	-2.394
V_2924_A		198.9	ug/L	0.2563	0.1288	2,604
Zn2062_A		328.8	ug/L	3.413	1.038	990.0
Y_3600_R		13,977	Cts/S	131.91	0.94374	13,977
Y_2243_A		7,265.7	Cts/S	39.400	0.54228	7,265.7
Y_3600_A		207,590	Cts/S	730.45	0.35187	207,590

SG4789-013

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:37:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5354	ug/L	0.03761	7.025	-510.5
Al3961_R	W	45,860	ug/L	233.3	0.5086	22,550
As1891_A		39.96	ug/L	0.1894	0.4740	8.382
Au2427_A		2.209	ug/L	0.4532	20.51	58.59
B_2089_A		10.61	ug/L	0.6528	6.152	11.73
Ba4554_R		231.7	ug/L	4.173	1.801	7,046
Be3130_R		2.954	ug/L	0.02648	0.8962	-18.64
Ca3158_R		6,946	ug/L	111.4	1.604	5,338
Cd2265_A		1.879	ug/L	0.1070	5.695	62.40
Co2286_A		14.70	ug/L	0.09026	0.6141	86.96
Cr2677_A		91.20	ug/L	1.799	1.972	1,215
Cu3273_A		77.79	ug/L	1.794	2.306	866.7
Fe2599_R	W	80,380	ug/L	706.0	0.8784	97,950
K_7664_R		3,870	ug/L	29.90	0.7725	1,732
Li6707_R		54.23	ug/L	1.484	2.737	443.6
Mg2025_A		9,219	ug/L	17.67	0.1917	1,484
Mn2576_R		733.7	ug/L	8.569	1.168	4,472
Mo2020_A		4.884	ug/L	0.1023	2.096	8.718
Na5895_R		611.9	ug/L	7.573	1.238	596.4
Ni2316_A		82.14	ug/L	0.06978	0.08494	140.1
Pb2203_A	W	3,768	ug/L	5.790	0.1536	3,384
Sb2068_A		5.566	ug/L	0.7010	12.59	3.946
Se1960_A		1.045	ug/L	2.902	277.7	1.007
Si2516_R		3,033	ug/L	12.71	0.4192	913.5
Sn1899_A		31.64	ug/L	0.3540	1.119	14.24
Sr4215_R		54.66	ug/L	0.6974	1.276	2,057
Ti3349_A	W	4,449	ug/L	87.58	1.968	107,400
Tl1908_A		3.164	ug/L	0.3406	10.77	-1.144
V_2924_A		326.9	ug/L	5.348	1.636	4,279
Zn2062_A		215.8	ug/L	0.6935	0.3214	644.5
Y_3600_R		13,750	Cts/S	44.297	0.32215	13,750
Y_2243_A		7,200.1	Cts/S	9.6999	0.13472	7,200.1
Y_3600_A		205,870	Cts/S	2,658.4	1.2913	205,870

SG4789-014

Method Name: K6010-2011 Method Revision: 827

SG4789-014

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:41:57PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.763	ug/L	0.4892	27.75	-463.5
Al3961_R	W	50,930	ug/L	552.8	1.085	24,760
As1891_A		32.25	ug/L	1.446	4.485	6.282
Au2427_A		1.355	ug/L	1.352	99.75	53.11
B_2089_A		10.86	ug/L	0.6987	6.436	11.90
Ba4554_R		248.6	ug/L	2.398	0.9645	7,476
Be3130_R		3.148	ug/L	0.04038	1.283	9.431
Ca3158_R		7,016	ug/L	14.45	0.2060	5,331
Cd2265_A		1.675	ug/L	0.09664	5.771	57.43
Co2286_A		11.79	ug/L	0.2985	2.532	74.68
Cr2677_A		70.44	ug/L	1.437	2.040	950.5
Cu3273_A		60.93	ug/L	0.1267	0.2079	676.1
Fe2599_R	W	75,650	ug/L	923.8	1.221	91,150
K_7664_R		2,803	ug/L	58.73	2.095	1,243
Li6707_R		50.49	ug/L	4.282	8.481	412.7
Mg2025_A		7,301	ug/L	42.98	0.5887	1,175
Mn2576_R		665.9	ug/L	6.618	0.9937	4,013
Mo2020_A		3.617	ug/L	0.1510	4.175	6.497
Na5895_R		642.0	ug/L	14.76	2.300	624.6
Ni2316_A		63.24	ug/L	0.5321	0.8414	106.6
Pb2203_A	W	3,491	ug/L	12.92	0.3700	3,134
Sb2068_A		4.981	ug/L	0.6199	12.45	3.720
Se1960_A		-1.699	ug/L	2.469	145.3	0.5349
Si2516_R		4,116	ug/L	48.39	1.176	1,222
Sn1899_A		29.28	ug/L	0.8806	3.007	13.21
Sr4215_R		51.38	ug/L	0.6902	1.343	1,910
Ti3349_A	W	4,051	ug/L	80.99	1.999	98,830
Tl1908_A		0.9776	ug/L	0.4689	47.97	-1.790
V_2924_A		242.0	ug/L	3.855	1.593	3,204
Zn2062_A		147.3	ug/L	0.04630	0.03144	440.4
Y_3600_R		13,593	Cts/S	129.29	0.95109	13,593
Y_2243_A		7,200.9	Cts/S	7.4648	0.10366	7,200.9
Y_3600_A		208,030	Cts/S	3,264.5	1.5692	208,030

SG4789-015

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:46:24PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.398	ug/L	1.198	85.71	-631.1
Al3961_R	W	90,370	ug/L	1,264	1.399	44,440
As1891_A		32.99	ug/L	0.08195	0.2484	5.785
Au2427_A		4.333	ug/L	0.1923	4.438	75.36
B_2089_A		10.99	ug/L	0.06469	0.5885	12.00
Ba4554_R		189.1	ug/L	1.822	0.9634	5,750
Be3130_R		4.876	ug/L	0.07256	1.488	64.68
Ca3158_R		11,080	ug/L	135.9	1.226	8,524
Cd2265_A		1.690	ug/L	0.06027	3.566	71.37
Co2286_A		24.55	ug/L	0.1622	0.6606	125.7
Cr2677_A		114.5	ug/L	0.09792	0.08556	1,516
Cu3273_A		74.98	ug/L	0.3427	0.4571	798.0
Fe2599_R	W	103,100	ug/L	1,324	1.284	125,700
K_7664_R		4,739	ug/L	84.40	1.781	2,119
Li6707_R		106.3	ug/L	0.5474	0.5149	810.9
Mg2025_A		13,580	ug/L	64.94	0.4783	2,184
Mn2576_R	W	1,985	ug/L	24.51	1.234	12,090
Mo2020_A		3.638	ug/L	0.1832	5.036	6.494

SG4789-015

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:46:24PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		887.7	ug/L	4.289	0.4832	921.2
Ni2316_A		87.03	ug/L	0.4768	0.5479	146.8
Pb2203_A		490.0	ug/L	3.240	0.6614	432.4
Sb2068_A		3.259	ug/L	1.302	39.94	3.717
Se1960_A		2.255	ug/L	1.942	86.13	1.405
Si2516_R		3,658	ug/L	4.593	0.1255	1,099
Sn1899_A		29.46	ug/L	0.8620	2.927	13.27
Sr4215_R		55.23	ug/L	0.5067	0.9174	2,079
Ti3349_A	W	5,404	ug/L	9.443	0.1747	129,600
Tl1908_A		1.223	ug/L	0.3396	27.75	-3.253
V_2924_A		366.5	ug/L	1.287	0.3511	4,732
Zn2062_A		288.8	ug/L	1.401	0.4852	861.3
Y_3600_R		13,748	Cts/S	57.854	0.42082	13,748
Y_2243_A		7,194.5	Cts/S	19.292	0.26815	7,194.5
Y_3600_A		204,490	Cts/S	170.71	0.083481	204,490

SG4789-016

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:50:51PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.471	ug/L	0.5944	40.41	-421.2
Al3961_R	W	40,840	ug/L	529.2	1.296	19,850
As1891_A		43.67	ug/L	0.7232	1.656	9.748
Au2427_A		1.924	ug/L	1.283	66.69	49.28
B_2089_A		12.77	ug/L	0.5905	4.625	13.54
Ba4554_R		347.6	ug/L	3.883	1.117	10,460
Be3130_R		2.920	ug/L	0.09123	3.124	-20.37
Ca3158_R		4,160	ug/L	61.13	1.470	3,153
Cd2265_A		1.661	ug/L	0.03950	2.378	53.68
Co2286_A		10.25	ug/L	0.07415	0.7233	72.32
Cr2677_A		79.51	ug/L	0.1106	0.1391	1,076
Cu3273_A		91.38	ug/L	0.2677	0.2930	1,054
Fe2599_R	W	66,870	ug/L	980.2	1.466	80,550
K_7664_R		3,009	ug/L	2.729	0.09071	1,333
Li6707_R		31.13	ug/L	2.598	8.347	277.4
Mg2025_A		5,776	ug/L	68.93	1.193	929.3
Mn2576_R		569.5	ug/L	7.128	1.252	3,431
Mo2020_A		4.512	ug/L	0.5418	12.01	8.060
Na5895_R		924.4	ug/L	8.592	0.9294	953.5
Ni2316_A		75.36	ug/L	1.036	1.375	129.1
Pb2203_A	W	6,048	ug/L	77.66	1.284	5,430
Sb2068_A		9.305	ug/L	2.168	23.29	4.962
Se1960_A		2.439	ug/L	3.253	133.4	1.201
Si2516_R		4,129	ug/L	19.79	0.4793	1,226
Sn1899_A		34.11	ug/L	0.4909	1.439	15.32
Sr4215_R		56.38	ug/L	0.4856	0.8614	2,099
Ti3349_A	W	4,426	ug/L	29.52	0.6669	108,500
Tl1908_A		1.152	ug/L	0.7014	60.88	-1.882
V_2924_A		295.9	ug/L	2.578	0.8714	3,938
Zn2062_A		163.4	ug/L	2.434	1.489	488.3
Y_3600_R		13,591	Cts/S	27.202	0.20014	13,591
Y_2243_A		7,198.4	Cts/S	79.612	1.1060	7,198.4
Y_3600_A		208,940	Cts/S	785.25	0.37582	208,940

SG4789-017

Method Name: K6010-2011 Method Revision: 827

SG4789-017

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:55:17PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.087	ug/L	0.09275	4.444	-893.5
Al3961_R	W	94,230	ug/L	1,380	1.465	45,880
As1891_A		49.98	ug/L	0.6553	1.311	9.482
Au2427_A		8.810	ug/L	0.2392	2.715	112.4
B_2089_A		10.49	ug/L	0.7196	6.863	11.54
Ba4554_R		203.3	ug/L	1.852	0.9108	6,122
Be3130_R		4.919	ug/L	0.1524	3.097	52.46
Ca3158_R		5,186	ug/L	50.46	0.9731	3,941
Cd2265_A		2.339	ug/L	0.1985	8.486	99.93
Co2286_A		28.96	ug/L	0.04673	0.1613	142.4
Cr2677_A		128.2	ug/L	1.295	1.010	1,696
Cu3273_A		82.81	ug/L	0.2968	0.3584	879.5
Fe2599_R	W	150,400	ug/L	2,337	1.554	181,400
K_7664_R		5,733	ug/L	159.3	2.779	2,535
Li6707_R		113.7	ug/L	1.313	1.156	854.3
Mg2025_A		14,830	ug/L	75.29	0.5076	2,367
Mn2576_R	W	3,826	ug/L	43.52	1.137	23,080
Mo2020_A		5.194	ug/L	0.2817	5.424	9.177
Na5895_R		685.6	ug/L	17.80	2.596	676.3
Ni2316_A		75.76	ug/L	0.08091	0.1068	121.5
Pb2203_A	W	5,102	ug/L	10.39	0.2037	4,539
Sb2068_A		3.325	ug/L	0.9207	27.69	4.058
Se1960_A		2.417	ug/L	1.507	62.33	1.711
Si2516_R		3,020	ug/L	37.48	1.241	898.6
Sn1899_A		30.52	ug/L	0.6010	1.969	13.63
Sr4215_R		41.29	ug/L	0.3939	0.9541	1,531
Ti3349_A	W	5,739	ug/L	57.51	1.002	137,300
Tl1908_A		2.416	ug/L	1.251	51.78	-4.284
V_2924_A		385.4	ug/L	5.184	1.345	4,911
Zn2062_A		290.0	ug/L	0.1030	0.03553	858.3
Y_3600_R		13,613	Cts/S	123.65	0.90834	13,613
Y_2243_A		7,139.0	Cts/S	15.264	0.21380	7,139.0
Y_3600_A		203,950	Cts/S	1,427.9	0.70012	203,950

SG4789-018

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:59:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5161	ug/L	0.3707	71.83	-781.7
Al3961_R	W	97,260	ug/L	1,361	1.399	47,810
As1891_A		42.59	ug/L	2.088	4.903	7.813
Au2427_A		6.901	ug/L	1.036	15.01	94.29
B_2089_A		5.949	ug/L	0.1996	3.355	7.571
Ba4554_R		243.5	ug/L	4.419	1.815	7,403
Be3130_R		6.092	ug/L	0.1435	2.356	43.10
Ca3158_R		8,510	ug/L	122.6	1.441	6,541
Cd2265_A		1.575	ug/L	0.008308	0.5275	81.26
Co2286_A		44.46	ug/L	0.06808	0.1531	201.5
Cr2677_A		152.9	ug/L	3.415	2.234	1,981
Cu3273_A		95.36	ug/L	2.015	2.113	955.9
Fe2599_R	W	126,600	ug/L	2,128	1.681	154,200
K_7664_R		11,510	ug/L	126.4	1.098	5,133
Li6707_R		165.3	ug/L	0.3989	0.2413	1,227
Mg2025_A	W	30,040	ug/L	150.6	0.5013	4,733
Mn2576_R	W	2,650	ug/L	44.79	1.691	16,130
Mo2020_A		2.869	ug/L	0.3745	13.05	5.054

SG4789-018

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 5:59:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		743.5	ug/L	13.40	1.802	751.1
Ni2316_A		105.4	ug/L	1.363	1.293	174.2
Pb2203_A	W	1,336	ug/L	9.605	0.7192	1,167
Sb2068_A		3.300	ug/L	3.508	106.3	3.975
Se1960_A		-0.6326	ug/L	1.376	217.5	1.015
Si2516_R		3,850	ug/L	29.77	0.7732	1,156
Sn1899_A		29.48	ug/L	0.2926	0.9923	13.01
Sr4215_R		51.45	ug/L	0.7947	1.545	1,934
Ti3349_A	W	7,630	ug/L	186.1	2.440	179,300
Tl1908_A		0.3071	ug/L	0.6378	207.7	-5.088
V_2924_A		311.8	ug/L	7.144	2.291	3,941
Zn2062_A		324.0	ug/L	1.189	0.3668	946.5
Y_3600_R		13,743	Cts/S	25.362	0.18454	13,743
Y_2243_A		7,048.0	Cts/S	30.047	0.42631	7,048.0
Y_3600_A		200,350	Cts/S	2,477.1	1.2364	200,350

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:04:08PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		483.5	ug/L	0.7886	0.1631	8,038
Al3961_R		12,000	ug/L	79.34	0.6612	5,703
As1891_A		490.3	ug/L	0.1150	0.02346	133.3
Au2427_A		484.3	ug/L	1.273	0.2628	1,419
B_2089_A		491.7	ug/L	0.5417	0.1102	417.9
Ba4554_R		484.2	ug/L	9.983	2.062	14,230
Be3130_R		485.9	ug/L	6.766	1.392	30,450
Ca3158_R		12,120	ug/L	325.0	2.682	9,004
Cd2265_A		501.8	ug/L	0.4847	0.09659	5,757
Co2286_A		505.7	ug/L	0.3414	0.06751	1,549
Cr2677_A		494.0	ug/L	2.253	0.4560	6,335
Cu3273_A		493.1	ug/L	2.711	0.5499	6,032
Fe2599_R		12,150	ug/L	207.8	1.711	14,300
K_7664_R		11,870	ug/L	147.7	1.245	5,109
Li6707_R		479.5	ug/L	7.176	1.497	3,325
Mg2025_A		12,600	ug/L	12.28	0.09748	1,970
Mn2576_R		484.8	ug/L	8.147	1.681	2,849
Mo2020_A		506.3	ug/L	1.228	0.2426	865.1
Na5895_R		12,070	ug/L	276.3	2.289	13,610
Ni2316_A		503.5	ug/L	0.5137	0.1020	871.2
Pb2203_A		503.9	ug/L	1.290	0.2560	435.0
Sb2068_A		493.3	ug/L	3.132	0.6349	150.6
Se1960_A		489.2	ug/L	0.3095	0.06326	79.96
Si2516_R		12,130	ug/L	332.7	2.743	3,500
Sn1899_A		502.1	ug/L	1.375	0.2739	212.2
Sr4215_R		482.9	ug/L	7.858	1.627	17,780
Ti3349_A		490.8	ug/L	1.902	0.3875	11,460
Tl1908_A		504.7	ug/L	0.1126	0.02231	213.0
V_2924_A		487.5	ug/L	0.9573	0.1964	6,061
Zn2062_A		497.4	ug/L	0.6452	0.1297	1,428
Y_3600_R		13,276	Cts/S	107.19	0.80738	13,276
Y_2243_A		6,935.7	Cts/S	3.9936	0.057580	6,935.7
Y_3600_A		199,320	Cts/S	1,253.6	0.62898	199,320

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:08:29PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3972	ug/L	0.3757	94.59	-11.73
Al3961_R		1.790	ug/L	15.90	888.3	-4.424
As1891_A		0.1141	ug/L	1.074	941.3	-1.046
Au2427_A		0.2757	ug/L	1.439	521.7	1.372
B_2089_A		0.3782	ug/L	0.4367	115.5	2.935
Ba4554_R		1.034	ug/L	0.1846	17.86	18.42
Be3130_R		0.06510	ug/L	0.04598	70.64	-15.66
Ca3158_R		3.089	ug/L	12.08	391.2	-13.72
Cd2265_A		-0.003621	ug/L	0.01951	538.8	-0.9246
Co2286_A		0.04733	ug/L	0.05583	118.0	5.299
Cr2677_A		0.1212	ug/L	0.2407	198.6	7.119
Cu3273_A		-0.5529	ug/L	0.3458	62.55	31.66
Fe2599_R		6.978	ug/L	1.256	18.00	16.17
K_7664_R		-97.09	ug/L	38.26	39.41	-32.73
Li6707_R		1.081	ug/L	0.9282	85.84	65.44
Mg2025_A		-1.364	ug/L	4.129	302.8	-0.8332
Mn2576_R		-0.09237	ug/L	0.4405	476.9	-2.118
Mo2020_A		1.449	ug/L	0.3424	23.62	2.671
Na5895_R		22.67	ug/L	19.56	86.26	-93.13
Ni2316_A		0.2091	ug/L	0.2988	142.9	-0.06587
Pb2203_A		-0.6504	ug/L	0.4824	74.17	0.08524
Sb2068_A		0.5250	ug/L	2.140	407.5	1.417
Se1960_A		-1.855	ug/L	1.899	102.4	0.3275
Si2516_R		-1.954	ug/L	2.635	134.8	10.31
Sn1899_A		0.4222	ug/L	0.4383	103.8	0.5574
Sr4215_R		-0.09455	ug/L	0.3786	400.4	-32.15
Ti3349_A		0.9528	ug/L	0.3481	36.53	1.335
Tl1908_A		1.508	ug/L	1.349	89.46	0.9191
V_2924_A		-0.3723	ug/L	0.04545	12.21	-8.091
Zn2062_A		0.01554	ug/L	0.1646	1,059	1.613
Y_3600_R		13,099	Cts/S	2.0520	0.015666	13,099
Y_2243_A		7,075.0	Cts/S	59.901	0.84666	7,075.0
Y_3600_A		205,180	Cts/S	170.96	0.083325	205,180

SG4789-019

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:13:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.235	ug/L	0.4111	18.39	-463.2
Al3961_R	W	32,430	ug/L	360.3	1.111	15,770
As1891_A		72.49	ug/L	1.641	2.264	17.70
Au2427_A		1.634	ug/L	1.441	88.14	53.56
B_2089_A		8.870	ug/L	0.4349	4.904	10.33
Ba4554_R		147.8	ug/L	1.718	1.162	4,442
Be3130_R		2.054	ug/L	0.01318	0.6416	-48.90
Ca3158_R		8,928	ug/L	125.0	1.400	6,792
Cd2265_A		0.8835	ug/L	0.09236	10.45	47.83
Co2286_A		14.37	ug/L	0.4372	3.042	80.39
Cr2677_A		60.51	ug/L	1.993	3.294	829.4
Cu3273_A		49.96	ug/L	0.3952	0.7910	551.7
Fe2599_R	W	76,260	ug/L	983.7	1.290	91,920
K_7664_R		3,607	ug/L	83.30	2.310	1,597
Li6707_R		45.46	ug/L	0.2410	0.5301	377.6
Mg2025_A		6,928	ug/L	111.7	1.612	1,112
Mn2576_R		811.9	ug/L	13.30	1.638	4,894
Mo2020_A		8.039	ug/L	0.1203	1.497	14.30

SG4789-019

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:13:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,026	ug/L	34.35	3.347	1,073
Ni2316_A		39.03	ug/L	0.07975	0.2043	62.82
Pb2203_A	W	7,077	ug/L	109.9	1.553	6,338
Sb2068_A		14.12	ug/L	0.5233	3.706	6.423
Se1960_A		-0.5542	ug/L	5.263	949.7	0.7460
Si2516_R		3,098	ug/L	3.476	0.1122	922.7
Sn1899_A		32.80	ug/L	0.02423	0.07388	14.70
Sr4215_R		65.60	ug/L	0.7682	1.171	2,448
Ti3349_A	W	3,756	ug/L	97.92	2.607	92,920
Tl1908_A		1.089	ug/L	0.1730	15.88	-1.750
V_2924_A		201.5	ug/L	5.030	2.497	2,701
Zn2062_A		139.1	ug/L	2.178	1.566	414.5
Y_3600_R		13,600	Cts/S	114.41	0.84121	13,600
Y_2243_A		7,177.2	Cts/S	67.647	0.94253	7,177.2
Y_3600_A		210,990	Cts/S	3,893.5	1.8454	210,990

LCSOGG11ICS2

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:17:28PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.79	ug/L	2.609	5.347	805.8
Al3961_R		1,970	ug/L	30.75	1.560	918.3
As1891_A		95.26	ug/L	0.5210	0.5469	25.63
Au2427_A		-0.2879	ug/L	1.459	506.7	-1.624
B_2089_A		486.6	ug/L	3.846	0.7904	414.6
Ba4554_R		2,007	ug/L	41.26	2.056	57,890
Be3130_R		50.69	ug/L	1.010	1.993	3,089
Ca3158_R		2,611	ug/L	69.58	2.665	1,890
Cd2265_A		250.0	ug/L	2.261	0.9044	2,918
Co2286_A		505.8	ug/L	4.952	0.9792	1,577
Cr2677_A		197.1	ug/L	11.66	5.916	2,571
Cu3273_A		247.7	ug/L	15.38	6.207	3,090
Fe2599_R		1,015	ug/L	24.70	2.432	1,180
K_7664_R		9,739	ug/L	87.31	0.8965	4,114
Li6707_R		491.4	ug/L	10.97	2.232	3,340
Mg2025_A		4,979	ug/L	30.97	0.6221	802.3
Mn2576_R		499.0	ug/L	12.04	2.414	2,875
Mo2020_A		296.6	ug/L	1.701	0.5736	516.0
Na5895_R		7,434	ug/L	137.6	1.851	8,174
Ni2316_A		503.0	ug/L	5.026	0.9991	886.8
Pb2203_A		101.4	ug/L	0.3250	0.3206	89.54
Sb2068_A		101.1	ug/L	1.122	1.110	31.21
Se1960_A		98.88	ug/L	1.437	1.454	17.01
Si2516_R	F	3,923	ug/L	64.43	1.643	1,118
Sn1899_A		532.0	ug/L	5.615	1.055	228.9
Sr4215_R		498.7	ug/L	10.74	2.153	18,000
Ti3349_A		486.9	ug/L	28.26	5.804	11,550
Tl1908_A		103.1	ug/L	1.606	1.558	44.26
V_2924_A		480.3	ug/L	27.28	5.680	6,104
Zn2062_A		494.2	ug/L	4.367	0.8837	1,446
Y_3600_R		13,019	Cts/S	78.059	0.59958	13,019
Y_2243_A		7,063.9	Cts/S	73.172	1.0359	7,063.9
Y_3600_A		202,730	Cts/S	8,471.3	4.1786	202,730

PBSGG11ICS2

Method Name: K6010-2011 Method Revision: 827

PBSGG11ICS2

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:21:51PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.002218	ug/L	0.4160	18,750	-19.11
Al3961_R		11.51	ug/L	29.64	257.5	-0.1045
As1891_A		-0.8835	ug/L	1.092	123.6	-1.341
Au2427_A		0.2327	ug/L	0.7050	303.0	1.274
B_2089_A		1.351	ug/L	0.09065	6.711	3.776
Ba4554_R		0.5450	ug/L	0.2367	43.43	4.317
Be3130_R		-0.03320	ug/L	0.01286	38.74	-22.67
Ca3158_R		46.88	ug/L	0.1547	0.3300	19.26
Cd2265_A		0.03145	ug/L	0.05761	183.2	-0.5202
Co2286_A		-0.1390	ug/L	0.04944	35.57	4.780
Cr2677_A		0.3272	ug/L	0.1504	45.96	10.09
Cu3273_A		-0.3702	ug/L	0.04061	10.97	34.81
Fe2599_R		6.982	ug/L	5.174	74.10	16.79
K_7664_R		-61.28	ug/L	46.31	75.57	-17.99
Li6707_R		-0.7667	ug/L	1.162	151.5	55.23
Mg2025_A		15.50	ug/L	2.769	17.86	1.845
Mn2576_R		1.048	ug/L	0.4242	40.49	4.735
Mo2020_A		1.009	ug/L	0.1089	10.79	1.931
Na5895_R		49.80	ug/L	6.600	13.25	-65.58
Ni2316_A		0.05260	ug/L	0.1340	254.7	-0.3451
Pb2203_A		0.2072	ug/L	0.7640	368.8	0.8542
Sb2068_A		0.1667	ug/L	1.193	715.8	1.265
Se1960_A		-1.837	ug/L	0.2630	14.32	0.3361
Si2516_R		13.41	ug/L	8.062	60.11	15.28
Sn1899_A		20.63	ug/L	0.2762	1.339	9.370
Sr4215_R		0.1749	ug/L	0.2308	132.0	-23.48
Ti3349_A		0.7388	ug/L	0.09742	13.19	-3.922
Tl1908_A		0.4169	ug/L	0.2676	64.18	0.4514
V_2924_A		0.1587	ug/L	0.1440	90.76	-1.221
Zn2062_A		0.5609	ug/L	0.05955	10.62	3.249
Y_3600_R		13,678	Cts/S	436.02	3.1877	13,678
Y_2243_A		7,165.0	Cts/S	1.1404	0.015916	7,165.0
Y_3600_A		210,320	Cts/S	12.286	0.0058415	210,320

SG4836-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:26:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.289	ug/L	0.05681	2.482	-302.5
Al3961_R	W	96,830	ug/L	1,308	1.350	46,360
As1891_A		14.10	ug/L	2.916	20.68	1.450
Au2427_A		1.123	ug/L	0.9329	83.04	37.61
B_2089_A		22.57	ug/L	0.1745	0.7735	21.46
Ba4554_R		313.2	ug/L	5.371	1.715	9,279
Be3130_R		1.462	ug/L	0.1284	8.785	16.51
Ca3158_R		13,890	ug/L	285.6	2.057	10,410
Cd2265_A		8.011	ug/L	0.002289	0.02857	118.4
Co2286_A		10.95	ug/L	0.1908	1.742	50.64
Cr2677_A		133.9	ug/L	1.166	0.8706	1,742
Cu3273_A		281.2	ug/L	0.8423	0.2995	3,467
Fe2599_R	W	54,810	ug/L	664.2	1.212	65,030
K_7664_R		3,615	ug/L	70.56	1.952	1,576
Li6707_R		52.92	ug/L	0.6436	1.216	422.9
Mg2025_A		4,652	ug/L	43.63	0.9379	734.6
Mn2576_R		720.8	ug/L	9.846	1.366	4,276
Mo2020_A		5.930	ug/L	0.01137	0.1918	10.45

SG4836-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:26:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		423.5	ug/L	3.300	0.7792	364.6
Ni2316_A		66.54	ug/L	0.02356	0.03541	112.3
Pb2203_A	W	1,015	ug/L	9.034	0.8898	886.5
Sb2068_A		17.05	ug/L	0.1735	1.018	7.508
Se1960_A		-3.941	ug/L	3.249	82.44	0.1512
Si2516_R		3,026	ug/L	5.876	0.1942	887.2
Sn1899_A		89.88	ug/L	0.08359	0.09300	39.03
Sr4215_R		60.99	ug/L	0.7241	1.187	2,238
Ti3349_A	W	1,373	ug/L	7.620	0.5549	32,440
Tl1908_A		1.797	ug/L	0.6050	33.67	0.07882
V_2924_A		148.4	ug/L	0.7993	0.5387	1,877
Zn2062_A	W	4,756	ug/L	36.98	0.7777	13,920
Y_3600_R		13,386	Cts/S	138.25	1.0329	13,386
Y_2243_A		7,070.8	Cts/S	44.359	0.62736	7,070.8
Y_3600_A		201,520	Cts/S	1,391.2	0.69034	201,520

SG4836-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:30:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.01713	ug/L	0.2747	1,603	-63.83
Al3961_R	W	38,760	ug/L	989.7	2.554	18,350
As1891_A		5.536	ug/L	0.6805	12.29	0.2462
Au2427_A		-0.5181	ug/L	0.5983	115.5	2.859
B_2089_A		16.81	ug/L	0.2574	1.531	16.76
Ba4554_R		88.03	ug/L	2.643	3.003	2,571
Be3130_R		0.5854	ug/L	0.05645	9.643	-37.02
Ca3158_R		3,666	ug/L	75.40	2.057	2,705
Cd2265_A		0.1614	ug/L	0.06334	39.24	5.219
Co2286_A		1.037	ug/L	0.09888	9.534	18.03
Cr2677_A		36.34	ug/L	0.3507	0.9651	483.4
Cu3273_A		6.759	ug/L	0.7813	11.56	84.47
Fe2599_R		6,340	ug/L	165.3	2.608	7,447
K_7664_R		1,039	ug/L	32.89	3.167	453.8
Li6707_R		20.83	ug/L	0.8658	4.157	200.3
Mg2025_A		1,196	ug/L	0.5094	0.04260	190.8
Mn2576_R		131.0	ug/L	1.905	1.454	767.2
Mo2020_A		1.732	ug/L	0.01962	1.133	3.197
Na5895_R		146.0	ug/L	1.514	1.037	45.76
Ni2316_A		8.054	ug/L	0.2743	3.406	13.40
Pb2203_A		40.43	ug/L	0.01231	0.03045	32.42
Sb2068_A		-0.2574	ug/L	0.4208	163.5	1.523
Se1960_A		-2.708	ug/L	1.345	49.66	0.2187
Si2516_R		3,376	ug/L	51.74	1.533	979.3
Sn1899_A		23.25	ug/L	0.5903	2.539	10.50
Sr4215_R		33.81	ug/L	0.9834	2.909	1,214
Ti3349_A	W	1,277	ug/L	11.70	0.9163	30,600
Tl1908_A		0.7831	ug/L	0.8380	107.0	0.01979
V_2924_A		39.99	ug/L	0.1319	0.3297	520.7
Zn2062_A		144.7	ug/L	0.3855	0.2665	430.2
Y_3600_R		13,240	Cts/S	14.167	0.10700	13,240
Y_2243_A		7,157.8	Cts/S	36.633	0.51179	7,157.8
Y_3600_A		204,450	Cts/S	264.51	0.12937	204,450

SG4836-003

Method Name: K6010-2011 Method Revision: 827

SG4836-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:35:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.217	ug/L	0.2885	13.01	-297.2
Al3961_R	W	90,410	ug/L	951.0	1.052	43,860
As1891_A		11.89	ug/L	0.2175	1.829	0.8635
Au2427_A		1.640	ug/L	0.2531	15.43	37.99
B_2089_A		13.75	ug/L	0.3070	2.233	14.10
Ba4554_R		238.4	ug/L	2.131	0.8939	7,154
Be3130_R		1.130	ug/L	0.1433	12.68	-1.195
Ca3158_R		3,338	ug/L	9.088	0.2723	2,522
Cd2265_A		5.018	ug/L	0.004197	0.08364	82.88
Co2286_A		11.18	ug/L	0.02444	0.2186	50.63
Cr2677_A		110.8	ug/L	0.3815	0.3445	1,440
Cu3273_A		253.7	ug/L	1.435	0.5657	3,123
Fe2599_R	W	53,870	ug/L	636.3	1.181	64,770
K_7664_R		2,005	ug/L	5.335	0.2662	889.2
Li6707_R		44.36	ug/L	1.363	3.073	369.0
Mg2025_A		2,460	ug/L	6.307	0.2563	388.5
Mn2576_R		848.4	ug/L	8.484	1.0000	5,099
Mo2020_A		4.340	ug/L	0.07060	1.627	7.689
Na5895_R		178.9	ug/L	1.365	0.7628	85.14
Ni2316_A		47.95	ug/L	0.5410	1.128	79.54
Pb2203_A		599.3	ug/L	2.438	0.4068	520.0
Sb2068_A		16.11	ug/L	1.474	9.150	6.802
Se1960_A		-2.381	ug/L	3.905	164.0	0.4236
Si2516_R		2,821	ug/L	59.03	2.093	838.6
Sn1899_A		197.6	ug/L	0.3222	0.1630	85.37
Sr4215_R		32.29	ug/L	0.4842	1.500	1,187
Ti3349_A	W	1,278	ug/L	5.675	0.4442	30,130
Tl1908_A		1.395	ug/L	0.4063	29.13	-0.1478
V_2924_A		114.9	ug/L	0.7348	0.6395	1,443
Zn2062_A	W	3,458	ug/L	13.55	0.3918	10,120
Y_3600_R		13,564	Cts/S	27.035	0.19932	13,564
Y_2243_A		7,069.9	Cts/S	23.897	0.33801	7,069.9
Y_3600_A		201,140	Cts/S	21.815	0.010846	201,140

SG4836-004

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:39:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3727	ug/L	0.1137	30.50	-48.99
Al3961_R	W	41,220	ug/L	1,189	2.885	19,840
As1891_A		2.601	ug/L	0.4535	17.44	-0.5586
Au2427_A		-1.767	ug/L	0.4374	24.75	-1.574
B_2089_A		12.68	ug/L	0.4712	3.716	13.31
Ba4554_R		48.55	ug/L	1.014	2.089	1,436
Be3130_R		0.5690	ug/L	0.009577	1.683	-34.09
Ca3158_R		2,892	ug/L	69.72	2.411	2,166
Cd2265_A		-0.08749	ug/L	0.01972	22.54	1.514
Co2286_A		1.536	ug/L	0.01357	0.8833	18.80
Cr2677_A		44.28	ug/L	2.091	4.721	593.0
Cu3273_A		4.140	ug/L	1.060	25.59	56.16
Fe2599_R		4,887	ug/L	118.8	2.431	5,839
K_7664_R		828.5	ug/L	24.28	2.930	370.1
Li6707_R		17.95	ug/L	1.323	7.372	183.7
Mg2025_A		924.7	ug/L	10.27	1.111	147.6
Mn2576_R		57.39	ug/L	1.690	2.945	341.0
Mo2020_A		1.748	ug/L	0.2385	13.65	3.230

SG4836-004

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:39:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		105.9	ug/L	4.805	4.536	0.3891
Ni2316_A		8.801	ug/L	0.07184	0.8162	14.88
Pb2203_A		29.87	ug/L	0.02882	0.09648	22.67
Sb2068_A		0.9712	ug/L	0.05167	5.320	1.951
Se1960_A		-1.448	ug/L	0.2294	15.85	0.4199
Si2516_R		4,233	ug/L	72.06	1.702	1,246
Sn1899_A		22.01	ug/L	0.1509	0.6856	9.975
Sr4215_R		29.27	ug/L	0.2461	0.8410	1,065
Ti3349_A	W	1,172	ug/L	52.01	4.439	28,340
Tl1908_A		0.1989	ug/L	0.2096	105.3	-0.1189
V_2924_A		42.36	ug/L	1.733	4.092	557.2
Zn2062_A		14.26	ug/L	0.04126	0.2893	43.75
Y_3600_R		13,465	Cts/S	393.40	2.9216	13,465
Y_2243_A		7,165.7	Cts/S	16.360	0.22831	7,165.7
Y_3600_A		206,470	Cts/S	6,638.3	3.2152	206,470

SG4836-005

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:44:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		13.68	ug/L	0.3053	2.233	-1,684
Al3961_R	W	93,500	ug/L	909.8	0.9731	43,510
As1891_A		38.13	ug/L	0.9697	2.543	1.941
Au2427_A		16.25	ug/L	0.5926	3.647	232.1
B_2089_A		47.93	ug/L	1.236	2.579	41.65
Ba4554_R	W	1,020	ug/L	9.742	0.9550	29,400
Be3130_R		1.629	ug/L	0.06556	4.023	12.16
Ca3158_R		21,470	ug/L	79.09	0.3683	15,650
Cd2265_A		27.40	ug/L	0.2065	0.7539	457.1
Co2286_A		41.64	ug/L	0.2025	0.4863	152.4
Cr2677_A		366.0	ug/L	0.9089	0.2483	4,623
Cu3273_A	W	3,066	ug/L	1.893	0.06173	36,610
Fe2599_R	F	338,300	ug/L	542.7	0.1604	390,100
K_7664_R		2,831	ug/L	35.34	1.248	1,201
Li6707_R		58.72	ug/L	0.6023	1.026	449.8
Mg2025_A		4,715	ug/L	23.55	0.4995	725.3
Mn2576_R	W	8,541	ug/L	68.81	0.8056	49,230
Mo2020_A		18.90	ug/L	0.3310	1.751	32.09
Na5895_R		512.3	ug/L	5.750	1.123	453.3
Ni2316_A		172.3	ug/L	0.2409	0.1398	266.6
Pb2203_A	W	10,530	ug/L	23.59	0.2240	9,022
Sb2068_A		294.1	ug/L	2.395	0.8144	87.99
Se1960_A		-0.3112	ug/L	1.351	434.1	2.002
Si2516_R		3,220	ug/L	18.84	0.5852	908.4
Sn1899_A	W	1,655	ug/L	3.291	0.1988	691.8
Sr4215_R		89.41	ug/L	0.9317	1.042	3,203
Ti3349_A	W	1,791	ug/L	1.892	0.1056	41,050
Tl1908_A		5.104	ug/L	0.04533	0.8881	-4.889
V_2924_A		293.1	ug/L	0.2591	0.08841	3,382
Zn2062_A	W	11,800	ug/L	36.14	0.3062	33,550
Y_3600_R		13,011	Cts/S	58.455	0.44929	13,011
Y_2243_A		6,867.2	Cts/S	17.937	0.26120	6,867.2
Y_3600_A		195,460	Cts/S	388.70	0.19887	195,460

SG4836-006

Method Name: K6010-2011 Method Revision: 827

SG4836-006

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:48:47PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4127	ug/L	0.7305	177.0	-32.72
Al3961_R		18,770	ug/L	630.9	3.362	8,911
As1891_A		3.078	ug/L	2.317	75.27	-0.3112
Au2427_A		-0.3551	ug/L	0.7829	220.5	1.049
B_2089_A		9.041	ug/L	0.04118	0.4555	10.18
Ba4554_R		23.54	ug/L	0.2926	1.243	681.6
Be3130_R		0.2236	ug/L	0.07314	32.71	-42.09
Ca3158_R		1,434	ug/L	17.97	1.253	1,052
Cd2265_A		-0.05955	ug/L	0.02113	35.48	0.4514
Co2286_A		0.6971	ug/L	0.01980	2.840	13.64
Cr2677_A		24.83	ug/L	0.1595	0.6422	339.4
Cu3273_A		274.2	ug/L	1.200	0.4375	3,516
Fe2599_R		2,535	ug/L	67.61	2.667	2,993
K_7664_R		579.4	ug/L	12.87	2.221	258.0
Li6707_R		9.373	ug/L	3.056	32.61	122.6
Mg2025_A		419.4	ug/L	10.42	2.484	65.98
Mn2576_R		46.63	ug/L	0.9593	2.057	273.0
Mo2020_A		2.565	ug/L	0.1452	5.661	4.629
Na5895_R		126.5	ug/L	3.624	2.865	23.84
Ni2316_A		4.847	ug/L	0.6482	13.37	7.926
Pb2203_A		23.84	ug/L	1.131	4.746	19.64
Sb2068_A		2.522	ug/L	1.222	48.44	2.192
Se1960_A		-0.2545	ug/L	1.280	502.7	0.6049
Si2516_R		3,835	ug/L	116.3	3.033	1,115
Sn1899_A		22.88	ug/L	1.115	4.875	10.25
Sr4215_R		19.18	ug/L	0.6963	3.631	678.3
Ti3349_A		856.7	ug/L	6.674	0.7790	20,990
Tl1908_A		1.018	ug/L	1.880	184.6	0.3053
V_2924_A		24.23	ug/L	0.9179	3.789	322.6
Zn2062_A		11.72	ug/L	0.03877	0.3307	35.93
Y_3600_R		13,289	Cts/S	449.19	3.3800	13,289
Y_2243_A		7,095.5	Cts/S	87.644	1.2352	7,095.5
Y_3600_A		209,020	Cts/S	109.22	0.052253	209,020

SG4836-007

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:53:17PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		6.502	ug/L	0.6635	10.20	-617.9
Al3961_R	W	72,000	ug/L	223.8	0.3108	34,010
As1891_A		16.15	ug/L	1.625	10.06	0.5986
Au2427_A		12.87	ug/L	0.6106	4.743	94.18
B_2089_A		23.59	ug/L	1.881	7.973	22.37
Ba4554_R		322.3	ug/L	1.381	0.4285	9,422
Be3130_R		1.198	ug/L	0.03298	2.752	8.885
Ca3158_R		5,862	ug/L	49.38	0.8423	4,325
Cd2265_A		9.033	ug/L	0.1478	1.637	160.2
Co2286_A		14.49	ug/L	0.4934	3.405	62.15
Cr2677_A		154.6	ug/L	2.028	1.312	2,018
Cu3273_A	W	1,476	ug/L	17.18	1.164	18,170
Fe2599_R	W	122,700	ug/L	354.7	0.2891	143,600
K_7664_R		2,254	ug/L	68.06	3.020	972.5
Li6707_R		41.61	ug/L	1.010	2.428	340.7
Mg2025_A		2,545	ug/L	16.23	0.6374	402.6
Mn2576_R	W	6,548	ug/L	22.45	0.3429	38,310
Mo2020_A		7.864	ug/L	0.004919	0.06255	13.82

SG4836-007

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:53:17PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		306.6	ug/L	11.20	3.655	227.4
Ni2316_A		72.66	ug/L	0.1141	0.1571	117.3
Pb2203_A	W	1,586	ug/L	16.59	1.046	1,395
Sb2068_A		39.39	ug/L	0.001769	0.004492	14.02
Se1960_A		-0.5816	ug/L	1.651	283.8	1.518
Si2516_R		3,014	ug/L	23.59	0.7827	869.9
Sn1899_A		324.4	ug/L	2.644	0.8149	139.9
Sr4215_R		39.12	ug/L	0.4028	1.030	1,406
Ti3349_A	W	1,181	ug/L	12.52	1.060	27,870
Tl1908_A		2.548	ug/L	0.2624	10.30	-4.051
V_2924_A		182.9	ug/L	2.428	1.328	2,132
Zn2062_A	W	4,414	ug/L	46.35	1.050	12,930
Y_3600_R		13,209	Cts/S	58.678	0.44423	13,209
Y_2243_A		7,073.6	Cts/S	54.916	0.77635	7,073.6
Y_3600_A		201,340	Cts/S	1,106.0	0.54932	201,340

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 6:57:44PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		482.8	ug/L	1.009	0.2091	7,994
Al3961_R		12,290	ug/L	119.9	0.9754	5,738
As1891_A		490.1	ug/L	1.828	0.3729	132.6
Au2427_A		498.0	ug/L	2.180	0.4377	1,453
B_2089_A		495.7	ug/L	2.682	0.5410	419.5
Ba4554_R		498.0	ug/L	3.900	0.7830	14,380
Be3130_R		497.8	ug/L	3.807	0.7648	30,640
Ca3158_R		12,680	ug/L	114.5	0.9031	9,253
Cd2265_A		508.2	ug/L	1.308	0.2574	5,805
Co2286_A		509.9	ug/L	0.9297	0.1823	1,555
Cr2677_A		501.8	ug/L	2.303	0.4589	6,411
Cu3273_A		500.3	ug/L	0.8203	0.1640	6,096
Fe2599_R		12,480	ug/L	124.5	0.9974	14,430
K_7664_R		12,260	ug/L	199.6	1.628	5,183
Li6707_R		489.2	ug/L	0.5403	0.1104	3,331
Mg2025_A		12,760	ug/L	47.54	0.3725	1,986
Mn2576_R		503.9	ug/L	5.402	1.072	2,909
Mo2020_A		511.3	ug/L	2.315	0.4527	869.8
Na5895_R		12,360	ug/L	78.51	0.6352	13,690
Ni2316_A		504.3	ug/L	2.516	0.4989	868.7
Pb2203_A		509.5	ug/L	1.281	0.2514	438.0
Sb2068_A		495.2	ug/L	1.718	0.3470	150.5
Se1960_A		494.1	ug/L	5.114	1.035	80.41
Si2516_R		12,610	ug/L	189.6	1.503	3,573
Sn1899_A		508.9	ug/L	1.347	0.2646	214.1
Sr4215_R		491.6	ug/L	5.381	1.095	17,780
Ti3349_A		489.4	ug/L	0.2744	0.05606	11,390
Tl1908_A		508.5	ug/L	0.7641	0.1503	213.7
V_2924_A		492.4	ug/L	0.6340	0.1287	6,098
Zn2062_A		500.9	ug/L	1.088	0.2172	1,432
Y_3600_R		13,040	Cts/S	178.50	1.3689	13,040
Y_2243_A		6,906.1	Cts/S	5.7835	0.083744	6,906.1
Y_3600_A		198,550	Cts/S	875.52	0.44094	198,550

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:02:04PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5140	ug/L	0.1189	23.12	-9.662
Al3961_R		-17.76	ug/L	1.828	10.29	-13.48
As1891_A		0.9630	ug/L	1.503	156.1	-0.8011
Au2427_A		0.2711	ug/L	2.316	854.3	1.371
B_2089_A		0.8183	ug/L	0.4328	52.89	3.276
Ba4554_R		0.5600	ug/L	0.06397	11.42	4.651
Be3130_R		0.1781	ug/L	0.07272	40.83	-8.563
Ca3158_R		-2.406	ug/L	3.263	135.6	-17.62
Cd2265_A		0.09119	ug/L	0.02675	29.34	0.1819
Co2286_A		-0.08305	ug/L	0.1949	234.7	4.855
Cr2677_A		0.2199	ug/L	0.1373	62.41	8.401
Cu3273_A		-0.4709	ug/L	0.2968	63.03	32.61
Fe2599_R		4.594	ug/L	4.045	88.05	13.32
K_7664_R		-52.47	ug/L	50.56	96.37	-13.62
Li6707_R		-1.391	ug/L	2.954	212.3	48.54
Mg2025_A		3.875	ug/L	1.059	27.33	-0.01249
Mn2576_R		0.2366	ug/L	0.3752	158.6	-0.2167
Mo2020_A		1.418	ug/L	0.3316	23.39	2.600
Na5895_R		15.85	ug/L	1.293	8.154	-100.1
Ni2316_A		0.009937	ug/L	0.2207	2,221	-0.4116
Pb2203_A		0.4016	ug/L	0.07456	18.57	1.011
Sb2068_A		0.7119	ug/L	0.5954	83.63	1.465
Se1960_A		-0.5777	ug/L	0.8871	153.6	0.5361
Si2516_R		-10.37	ug/L	0.8845	8.526	7.864
Sn1899_A		0.8253	ug/L	0.5126	62.12	0.7261
Sr4215_R		-0.1447	ug/L	0.08514	58.84	-33.74
Ti3349_A		0.5129	ug/L	0.1959	38.19	-9.240
Tl1908_A		1.372	ug/L	0.08589	6.258	0.8516
V_2924_A		0.04120	ug/L	0.1769	429.4	-2.721
Zn2062_A		0.1013	ug/L	0.1235	122.0	1.849
Y_3600_R		13,004	Cts/S	97.725	0.75148	13,004
Y_2243_A		7,023.3	Cts/S	14.526	0.20682	7,023.3
Y_3600_A		204,570	Cts/S	732.75	0.35818	204,570

SG4836-008

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:06:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3205	ug/L	1.101	343.5	-37.30
Al3961_R	W	38,120	ug/L	189.3	0.4965	18,280
As1891_A		3.444	ug/L	0.9459	27.47	-0.2700
Au2427_A		0.03958	ug/L	0.9530	2,408	2.660
B_2089_A		9.038	ug/L	0.4050	4.481	10.28
Ba4554_R		31.67	ug/L	0.3632	1.147	929.2
Be3130_R		0.4802	ug/L	0.02116	4.406	-33.01
Ca3158_R		2,980	ug/L	21.01	0.7050	2,224
Cd2265_A		-0.06030	ug/L	0.01887	31.29	0.8180
Co2286_A		1.066	ug/L	0.02928	2.748	16.08
Cr2677_A		43.88	ug/L	0.4347	0.9906	581.8
Cu3273_A		5.128	ug/L	0.4642	9.052	73.10
Fe2599_R		2,988	ug/L	12.10	0.4050	3,558
K_7664_R		727.9	ug/L	1.302	0.1789	324.7
Li6707_R		10.49	ug/L	1.546	14.74	131.6
Mg2025_A		739.6	ug/L	0.9159	0.1238	117.8
Mn2576_R		39.09	ug/L	1.068	2.731	231.0
Mo2020_A		3.086	ug/L	0.02442	0.7912	5.588

SG4836-008

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:06:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		112.7	ug/L	13.56	12.03	8.030
Ni2316_A		4.478	ug/L	0.1597	3.566	7.304
Pb2203_A		27.52	ug/L	1.166	4.235	20.86
Sb2068_A		0.3670	ug/L	0.8981	244.7	1.732
Se1960_A		-0.3713	ug/L	1.451	390.9	0.5949
Si2516_R		4,395	ug/L	0.2005	0.004562	1,288
Sn1899_A		21.59	ug/L	0.1390	0.6440	9.779
Sr4215_R		20.45	ug/L	0.2401	1.174	732.0
Ti3349_A	W	1,014	ug/L	6.614	0.6521	24,280
Tl1908_A		1.449	ug/L	0.4871	33.61	0.5119
V_2924_A		29.15	ug/L	0.2580	0.8853	379.5
Zn2062_A		13.55	ug/L	0.02498	0.1844	41.57
Y_3600_R		13,407	Cts/S	185.05	1.3802	13,407
Y_2243_A		7,156.5	Cts/S	13.599	0.19003	7,156.5
Y_3600_A		204,270	Cts/S	335.98	0.16448	204,270

SG4836-008L

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:11:05PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1939	ug/L	1.373	708.2	-22.88
Al3961_R		38,420	ug/L	301.0	0.7835	3,636
As1891_A		-2.325	ug/L	4.348	187.0	-1.257
Au2427_A		-1.832	ug/L	3.669	200.3	-0.1249
B_2089_A		9.086	ug/L	1.480	16.29	4.156
Ba4554_R		32.99	ug/L	0.05167	0.1566	182.0
Be3130_R		0.3613	ug/L	0.03246	8.985	-23.68
Ca3158_R		3,084	ug/L	20.08	0.6511	442.0
Cd2265_A		-0.4122	ug/L	0.01498	3.635	-1.394
Co2286_A		0.3609	ug/L	2.089	579.0	6.910
Cr2677_A		43.84	ug/L	1.004	2.290	121.8
Cu3273_A		3.807	ug/L	5.706	149.9	42.71
Fe2599_R		3,006	ug/L	54.76	1.821	714.1
K_7664_R		85.26	ug/L	200.9	235.6	15.92
Li6707_R		12.32	ug/L	2.531	20.54	75.60
Mg2025_A		730.4	ug/L	46.35	6.345	22.81
Mn2576_R		41.47	ug/L	3.312	7.988	47.15
Mo2020_A		2.326	ug/L	0.1250	5.373	0.9724
Na5895_R		133.3	ug/L	20.26	15.20	-89.68
Ni2316_A		5.218	ug/L	1.306	25.03	1.374
Pb2203_A		23.24	ug/L	1.225	5.273	3.946
Sb2068_A		2.833	ug/L	1.218	42.99	1.523
Se1960_A		-14.79	ug/L	0.9473	6.405	0.1512
Si2516_R		4,389	ug/L	50.40	1.148	262.9
Sn1899_A		22.24	ug/L	4.853	21.82	2.326
Sr4215_R		20.13	ug/L	0.1649	0.8189	119.1
Ti3349_A		987.1	ug/L	4.520	0.4580	4,756
Tl1908_A		5.092	ug/L	5.856	115.0	0.6435
V_2924_A		28.23	ug/L	2.056	7.285	71.70
Zn2062_A		13.72	ug/L	0.4199	3.061	9.710
Y_3600_R		13,248	Cts/S	94.021	0.70970	13,248
Y_2243_A		7,177.4	Cts/S	82.703	1.1523	7,177.4
Y_3600_A		206,300	Cts/S	363.36	0.17613	206,300

SG4836-008A

Method Name: K6010-2011 Method Revision: 827

SG4836-008A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:15:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		444.5	ug/L	72.24	16.25	7,655
Al3961_R	W	39,740	ug/L	462.1	1.163	18,980
As1891_A		297.3	ug/L	24.01	8.074	82.97
Au2427_A		0.9542	ug/L	0.9672	101.4	6.981
B_2089_A		329.2	ug/L	27.04	8.213	288.5
Ba4554_R		642.3	ug/L	31.69	4.933	19,000
Be3130_R		603.4	ug/L	33.66	5.579	38,000
Ca3158_R		9,736	ug/L	325.1	3.340	7,272
Cd2265_A		290.3	ug/L	24.35	8.390	3,443
Co2286_A		292.8	ug/L	24.11	8.233	936.8
Cr2677_A		457.0	ug/L	68.43	14.97	6,070
Cu3273_A		446.0	ug/L	70.99	15.92	5,625
Fe2599_R		8,963	ug/L	224.9	2.510	10,610
K_7664_R		13,740	ug/L	476.8	3.469	5,951
Li6707_R		620.4	ug/L	26.85	4.328	4,310
Mg2025_A		3,689	ug/L	442.6	12.00	601.1
Mn2576_R		647.8	ug/L	36.87	5.692	3,830
Mo2020_A		293.3	ug/L	25.74	8.778	517.8
Na5895_R		7,226	ug/L	252.5	3.493	8,147
Ni2316_A		291.4	ug/L	23.51	8.065	520.7
Pb2203_A		331.5	ug/L	26.29	7.932	292.2
Sb2068_A		284.0	ug/L	23.49	8.272	91.77
Se1960_A		312.7	ug/L	32.02	10.24	53.10
Si2516_R		4,552	ug/L	11.56	0.2540	1,329
Sn1899_A		22.05	ug/L	0.3176	1.440	9.989
Sr4215_R		613.0	ug/L	30.45	4.966	22,710
Ti3349_A	W	1,370	ug/L	108.7	7.936	33,180
Tl1908_A		351.4	ug/L	34.59	9.845	152.6
V_2924_A		450.4	ug/L	70.03	15.55	5,819
Zn2062_A		300.2	ug/L	23.74	7.909	890.8
Y_3600_R		13,353	Cts/S	5.5865	0.041836	13,353
Y_2243_A		7,164.6	Cts/S	65.169	0.90959	7,164.6
Y_3600_A		206,740	Cts/S	4,677.3	2.2624	206,740

SG4836-008P

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:19:59PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.13	ug/L	0.5619	1.121	788.1
Al3961_R	W	41,310	ug/L	326.6	0.7907	19,560
As1891_A		87.24	ug/L	1.066	1.222	23.06
Au2427_A		1.878	ug/L	0.5236	27.89	7.231
B_2089_A		506.1	ug/L	6.304	1.246	427.9
Ba4554_R	W	2,044	ug/L	27.65	1.353	59,940
Be3130_R		51.22	ug/L	0.5863	1.145	3,119
Ca3158_R		5,132	ug/L	73.03	1.423	3,793
Cd2265_A		254.7	ug/L	3.348	1.314	2,957
Co2286_A		514.9	ug/L	7.813	1.517	1,605
Cr2677_A		242.4	ug/L	0.2144	0.08843	3,128
Cu3273_A		260.6	ug/L	0.4180	0.1604	3,176
Fe2599_R		5,029	ug/L	50.47	1.003	5,908
K_7664_R		11,480	ug/L	165.7	1.443	4,932
Li6707_R		499.0	ug/L	11.59	2.323	3,448
Mg2025_A		6,031	ug/L	74.94	1.243	962.5
Mn2576_R		581.3	ug/L	8.746	1.505	3,407
Mo2020_A		295.5	ug/L	4.414	1.494	510.7

SG4836-008P

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:19:59PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,462	ug/L	70.56	0.9456	8,344
Ni2316_A		508.4	ug/L	6.784	1.334	890.0
Pb2203_A		136.4	ug/L	2.007	1.472	115.2
Sb2068_A		85.77	ug/L	0.8962	1.045	26.70
Se1960_A		87.44	ug/L	0.3497	0.3999	15.04
Si2516_R		4,435	ug/L	22.97	0.5179	1,284
Sn1899_A		538.0	ug/L	7.247	1.347	230.0
Sr4215_R		513.8	ug/L	6.342	1.234	18,860
Ti3349_A	W	1,809	ug/L	3.324	0.1838	42,490
Tl1908_A		101.8	ug/L	1.424	1.399	42.86
V_2924_A		527.7	ug/L	0.001079	0.0002045	6,648
Zn2062_A		511.7	ug/L	6.869	1.342	1,487
Y_3600_R		13,238	Cts/S	3.1155	0.023535	13,238
Y_2243_A		7,017.4	Cts/S	49.919	0.71135	7,017.4
Y_3600_A		200,350	Cts/S	414.40	0.20684	200,350

SG4836-008S

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:24:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.62	ug/L	0.2474	0.4985	782.2
Al3961_R	W	42,910	ug/L	405.2	0.9443	20,390
As1891_A		85.09	ug/L	1.733	2.037	22.59
Au2427_A		0.09262	ug/L	0.3141	339.2	1.960
B_2089_A		501.8	ug/L	4.384	0.8736	426.6
Ba4554_R	W	2,040	ug/L	26.25	1.287	60,030
Be3130_R		50.98	ug/L	0.5833	1.144	3,122
Ca3158_R		5,352	ug/L	91.50	1.710	3,969
Cd2265_A		252.8	ug/L	3.136	1.240	2,951
Co2286_A		508.1	ug/L	6.363	1.252	1,591
Cr2677_A		244.9	ug/L	0.4267	0.1743	3,162
Cu3273_A		258.8	ug/L	0.1832	0.07080	3,163
Fe2599_R		4,897	ug/L	60.21	1.230	5,772
K_7664_R		11,470	ug/L	147.6	1.287	4,942
Li6707_R		501.1	ug/L	6.669	1.331	3,474
Mg2025_A		5,976	ug/L	90.05	1.507	958.7
Mn2576_R		566.3	ug/L	6.425	1.135	3,330
Mo2020_A		291.9	ug/L	2.192	0.7509	507.3
Na5895_R		7,490	ug/L	71.58	0.9558	8,403
Ni2316_A		501.7	ug/L	3.331	0.6641	883.1
Pb2203_A		134.6	ug/L	3.132	2.327	114.0
Sb2068_A		83.02	ug/L	1.889	2.276	26.03
Se1960_A		86.85	ug/L	3.193	3.676	15.02
Si2516_R		4,226	ug/L	43.07	1.019	1,228
Sn1899_A		533.8	ug/L	7.683	1.439	229.4
Sr4215_R		513.2	ug/L	8.515	1.659	18,900
Ti3349_A	W	1,612	ug/L	5.094	0.3159	37,910
Tl1908_A		99.47	ug/L	0.4852	0.4878	42.20
V_2924_A		525.1	ug/L	0.2817	0.05365	6,619
Zn2062_A		508.2	ug/L	5.569	1.096	1,485
Y_3600_R		13,282	Cts/S	22.923	0.17259	13,282
Y_2243_A		7,055.9	Cts/S	77.673	1.1008	7,055.9
Y_3600_A		200,520	Cts/S	700.34	0.34927	200,520

SG4836-009

Method Name: K6010-2011 Method Revision: 827

SG4836-009

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:28:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.743	ug/L	0.1735	3.659	-486.8
Al3961_R	W	50,690	ug/L	765.0	1.509	24,190
As1891_A		9.274	ug/L	1.861	20.07	-0.6498
Au2427_A		0.5029	ug/L	0.07469	14.85	59.74
B_2089_A		16.39	ug/L	0.01615	0.09852	16.39
Ba4554_R		906.5	ug/L	8.200	0.9045	26,800
Be3130_R		0.8120	ug/L	0.04128	5.084	-19.98
Ca3158_R		4,540	ug/L	37.01	0.8152	3,380
Cd2265_A		5.008	ug/L	0.06467	1.291	100.7
Co2286_A		10.19	ug/L	0.1374	1.349	48.44
Cr2677_A		111.0	ug/L	0.4410	0.3972	1,457
Cu3273_A	W	2,861	ug/L	4.817	0.1684	35,490
Fe2599_R	W	93,870	ug/L	1,302	1.387	111,000
K_7664_R		1,374	ug/L	21.28	1.549	602.6
Li6707_R		26.65	ug/L	0.5963	2.237	241.8
Mg2025_A		1,944	ug/L	30.96	1.593	308.1
Mn2576_R	W	1,187	ug/L	11.26	0.9490	7,017
Mo2020_A		6.048	ug/L	0.2338	3.866	10.71
Na5895_R		207.5	ug/L	14.46	6.970	116.3
Ni2316_A		33.52	ug/L	1.143	3.410	50.77
Pb2203_A		990.8	ug/L	16.79	1.694	872.9
Sb2068_A		76.97	ug/L	0.4033	0.5240	25.76
Se1960_A		-0.6058	ug/L	0.2603	42.97	0.8010
Si2516_R		3,521	ug/L	58.28	1.655	1,026
Sn1899_A		178.7	ug/L	3.112	1.742	77.42
Sr4215_R		37.47	ug/L	0.4535	1.210	1,360
Ti3349_A	W	1,228	ug/L	2.882	0.2347	29,200
Tl1908_A		2.268	ug/L	0.5026	22.16	-0.3660
V_2924_A		78.94	ug/L	0.6368	0.8067	985.3
Zn2062_A	W	1,644	ug/L	31.97	1.945	4,826
Y_3600_R		13,346	Cts/S	129.68	0.97170	13,346
Y_2243_A		7,089.6	Cts/S	80.625	1.1372	7,089.6
Y_3600_A		202,880	Cts/S	262.52	0.12940	202,880

SG4836-010

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:33:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.8534	ug/L	0.4728	55.40	-33.51
Al3961_R	W	26,580	ug/L	143.7	0.5406	12,880
As1891_A		5.177	ug/L	0.1740	3.361	0.2349
Au2427_A		-0.9047	ug/L	0.5102	56.39	0.07457
B_2089_A		6.529	ug/L	0.2281	3.494	8.167
Ba4554_R		37.19	ug/L	0.5099	1.371	1,105
Be3130_R		0.8816	ug/L	0.08199	9.300	-16.28
Ca3158_R		2,997	ug/L	44.32	1.479	2,262
Cd2265_A		-0.1241	ug/L	0.04700	37.87	0.5347
Co2286_A		0.8471	ug/L	0.02585	3.052	16.96
Cr2677_A		30.38	ug/L	0.09977	0.3285	413.6
Cu3273_A		6.398	ug/L	0.2673	4.179	82.35
Fe2599_R		3,561	ug/L	43.45	1.220	4,286
K_7664_R		988.0	ug/L	35.25	3.568	442.5
Li6707_R		12.33	ug/L	1.217	9.875	146.0
Mg2025_A		893.6	ug/L	3.285	0.3676	143.1
Mn2576_R		59.57	ug/L	1.291	2.168	356.4
Mo2020_A		1.456	ug/L	0.07638	5.246	2.723

SG4836-010

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:33:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		141.8	ug/L	2.420	1.706	42.00
Ni2316_A		4.284	ug/L	0.1553	3.625	6.937
Pb2203_A		31.46	ug/L	1.169	3.716	25.90
Sb2068_A		-0.4918	ug/L	1.148	233.4	1.353
Se1960_A		-3.856	ug/L	1.453	37.69	0.01247
Si2516_R		3,022	ug/L	11.79	0.3900	898.8
Sn1899_A		21.22	ug/L	0.5532	2.607	9.663
Sr4215_R		31.31	ug/L	0.05052	0.1614	1,149
Ti3349_A	W	1,213	ug/L	3.404	0.2807	29,690
Tl1908_A		0.2011	ug/L	0.3708	184.4	-0.1920
V_2924_A		32.92	ug/L	0.5850	1.777	440.3
Zn2062_A		14.08	ug/L	0.03435	0.2440	43.39
Y_3600_R		13,556	Cts/S	67.547	0.49829	13,556
Y_2243_A		7,189.7	Cts/S	38.364	0.53359	7,189.7
Y_3600_A		208,880	Cts/S	1,142.7	0.54708	208,880

SG4836-011

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:37:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		25.62	ug/L	2.955	11.53	-726.0
Al3961_R	W	88,320	ug/L	2,700	3.057	41,780
As1891_A		28.03	ug/L	1.227	4.378	2.161
Au2427_A		11.14	ug/L	2.817	25.30	137.4
B_2089_A		49.00	ug/L	0.4233	0.8639	42.88
Ba4554_R	W	1,092	ug/L	25.34	2.320	31,990
Be3130_R		1.292	ug/L	0.05040	3.900	3.589
Ca3158_R	W	37,860	ug/L	872.3	2.304	28,060
Cd2265_A		26.58	ug/L	0.3264	1.228	393.3
Co2286_A		26.40	ug/L	0.2219	0.8407	102.3
Cr2677_A		340.0	ug/L	0.09105	0.02678	4,337
Cu3273_A	W	2,863	ug/L	4.853	0.1695	34,570
Fe2599_R	W	200,300	ug/L	5,863	2.927	234,700
K_7664_R		2,664	ug/L	48.44	1.818	1,150
Li6707_R		50.71	ug/L	0.9367	1.847	402.9
Mg2025_A		4,908	ug/L	33.11	0.6746	763.0
Mn2576_R	W	6,731	ug/L	178.6	2.653	39,430
Mo2020_A		13.21	ug/L	0.09955	0.7535	22.72
Na5895_R		566.5	ug/L	49.38	8.717	521.8
Ni2316_A		116.6	ug/L	0.6981	0.5985	185.1
Pb2203_A	W	4,812	ug/L	15.91	0.3306	4,172
Sb2068_A		191.0	ug/L	0.4391	0.2298	60.51
Se1960_A		-0.9478	ug/L	0.8377	88.38	1.538
Si2516_R		2,878	ug/L	0.5479	0.01904	830.0
Sn1899_A		424.7	ug/L	0.4699	0.1106	180.1
Sr4215_R		116.0	ug/L	2.580	2.224	4,233
Ti3349_A	W	1,559	ug/L	0.9228	0.05918	36,120
Tl1908_A		4.596	ug/L	1.072	23.33	-3.647
V_2924_A		389.5	ug/L	0.1654	0.04245	4,671
Zn2062_A	W	14,100	ug/L	50.05	0.3549	40,610
Y_3600_R		13,229	Cts/S	263.54	1.9922	13,229
Y_2243_A		6,955.9	Cts/S	26.072	0.37482	6,955.9
Y_3600_A		197,590	Cts/S	89.879	0.045488	197,590

SG4836-012

Method Name: K6010-2011 Method Revision: 827

SG4836-012

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:42:07PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2410	ug/L	0.4150	172.2	-54.74
Al3961_R	W	46,730	ug/L	1,068	2.285	22,660
As1891_A		4.985	ug/L	1.307	26.21	0.1075
Au2427_A		-0.3429	ug/L	0.5240	152.8	2.559
B_2089_A		28.27	ug/L	0.2329	0.8238	26.32
Ba4554_R		34.21	ug/L	0.4665	1.363	1,016
Be3130_R		0.5877	ug/L	0.09261	15.76	-12.89
Ca3158_R		4,373	ug/L	71.73	1.640	3,309
Cd2265_A		-0.02850	ug/L	0.1150	403.6	1.607
Co2286_A		1.043	ug/L	0.09830	9.420	13.80
Cr2677_A		35.88	ug/L	0.5393	1.503	478.9
Cu3273_A		10.37	ug/L	0.2719	2.622	150.7
Fe2599_R		4,650	ug/L	94.68	2.036	5,597
K_7664_R		808.4	ug/L	17.75	2.196	363.9
Li6707_R		9.921	ug/L	2.395	24.14	129.2
Mg2025_A		866.1	ug/L	7.447	0.8599	137.8
Mn2576_R		59.73	ug/L	0.3108	0.5203	357.8
Mo2020_A		1.219	ug/L	0.2783	22.84	2.288
Na5895_R		107.7	ug/L	16.14	14.98	2.270
Ni2316_A		5.044	ug/L	0.3428	6.796	8.155
Pb2203_A		22.34	ug/L	0.5348	2.393	15.21
Sb2068_A		1.479	ug/L	0.09684	6.549	2.112
Se1960_A		2.587	ug/L	0.6869	26.55	1.094
Si2516_R		3,684	ug/L	56.60	1.536	1,094
Sn1899_A		20.77	ug/L	0.1666	0.8020	9.408
Sr4215_R		39.97	ug/L	1.447	3.621	1,476
Ti3349_A		709.6	ug/L	2.523	0.3556	17,060
Tl1908_A		0.6514	ug/L	0.3954	60.70	0.3243
V_2924_A		37.38	ug/L	0.2114	0.5656	485.5
Zn2062_A		9.760	ug/L	0.2195	2.249	30.33
Y_3600_R		13,564	Cts/S	189.71	1.3986	13,564
Y_2243_A		7,146.3	Cts/S	1.4960	0.020935	7,146.3
Y_3600_A		205,160	Cts/S	253.45	0.12353	205,160

SG4836-013

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:46:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		23.28	ug/L	0.8774	3.769	-1,483
Al3961_R	W	110,100	ug/L	1,167	1.060	50,600
As1891_A		44.62	ug/L	0.5820	1.304	3.455
Au2427_A		21.09	ug/L	2.200	10.43	217.9
B_2089_A	W	2,343	ug/L	14.82	0.6322	1,814
Ba4554_R	W	1,589	ug/L	8.570	0.5393	45,240
Be3130_R		2.876	ug/L	0.08414	2.926	66.71
Ca3158_R	W	374,500	ug/L	835.7	0.2231	269,800
Cd2265_A		57.57	ug/L	0.6923	1.203	769.9
Co2286_A		40.20	ug/L	0.5485	1.364	147.5
Cr2677_A		574.8	ug/L	2.307	0.4014	6,940
Cu3273_A	W	3,973	ug/L	7.775	0.1957	45,370
Fe2599_R	F	341,800	ug/L	1,471	0.4302	389,200
K_7664_R		4,913	ug/L	12.40	0.2525	2,052
Li6707_R		70.81	ug/L	1.909	2.696	523.9
Mg2025_A	W	28,650	ug/L	200.6	0.7004	4,221
Mn2576_R	W	14,080	ug/L	61.31	0.4355	80,120
Mo2020_A		20.69	ug/L	0.1578	0.7625	33.59

SG4836-013

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:46:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	39,140	ug/L	72.28	0.1847	42,970
Ni2316_A		185.8	ug/L	0.3692	0.1987	278.0
Pb2203_A	W	9,033	ug/L	61.29	0.6785	7,428
Sb2068_A		285.2	ug/L	0.6552	0.2297	83.33
Se1960_A		-1.228	ug/L	2.200	179.1	2.426
Si2516_R		3,266	ug/L	5.946	0.1821	910.1
Sn1899_A	W	1,358	ug/L	10.19	0.7501	545.0
Sr4215_R		814.8	ug/L	5.578	0.6846	29,050
Ti3349_A	W	2,582	ug/L	11.57	0.4480	56,630
Tl1908_A		6.841	ug/L	0.3652	5.339	-8.367
V_2924_A		803.1	ug/L	3.191	0.3974	9,109
Zn2062_A	F	20,060	ug/L	128.0	0.6380	54,760
Y_3600_R		12,849	Cts/S	9.8995	0.077047	12,849
Y_2243_A		6,593.9	Cts/S	19.028	0.28857	6,593.9
Y_3600_A		186,990	Cts/S	462.84	0.24752	186,990

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:51:12PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		483.8	ug/L	8.767	1.812	7,993
Al3961_R		12,680	ug/L	626.7	4.941	5,823
As1891_A		488.7	ug/L	0.2472	0.05059	132.1
Au2427_A		495.4	ug/L	1.225	0.2473	1,445
B_2089_A		501.4	ug/L	1.994	0.3977	423.7
Ba4554_R		512.7	ug/L	23.23	4.531	14,560
Be3130_R		514.3	ug/L	25.20	4.901	31,130
Ca3158_R		13,110	ug/L	687.5	5.245	9,407
Cd2265_A		508.3	ug/L	3.444	0.6776	5,801
Co2286_A		509.7	ug/L	3.430	0.6729	1,553
Cr2677_A		501.3	ug/L	13.63	2.720	6,391
Cu3273_A		501.5	ug/L	12.76	2.545	6,100
Fe2599_R		12,910	ug/L	678.3	5.256	14,670
K_7664_R		12,590	ug/L	543.3	4.315	5,237
Li6707_R		503.5	ug/L	20.84	4.138	3,370
Mg2025_A		12,790	ug/L	87.44	0.6838	1,988
Mn2576_R		520.3	ug/L	24.77	4.761	2,954
Mo2020_A		510.8	ug/L	1.059	0.2073	868.3
Na5895_R		12,670	ug/L	552.4	4.361	13,800
Ni2316_A		502.5	ug/L	2.377	0.4730	864.8
Pb2203_A		513.1	ug/L	2.930	0.5710	440.6
Sb2068_A		495.7	ug/L	3.125	0.6305	150.5
Se1960_A		491.8	ug/L	2.544	0.5173	79.97
Si2516_R		12,970	ug/L	675.3	5.208	3,613
Sn1899_A		509.1	ug/L	3.907	0.7675	214.0
Sr4215_R		507.6	ug/L	21.89	4.312	18,050
Ti3349_A		490.7	ug/L	11.56	2.356	11,390
Tl1908_A		506.6	ug/L	3.790	0.7481	212.7
V_2924_A		492.5	ug/L	10.97	2.228	6,086
Zn2062_A		499.7	ug/L	2.538	0.5079	1,427
Y_3600_R		12,834	Cts/S	449.03	3.4987	12,834
Y_2243_A		6,900.0	Cts/S	41.528	0.60185	6,900.0
Y_3600_A		198,210	Cts/S	4,001.7	2.0189	198,210

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 7:55:33PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.04788	ug/L	0.2785	581.8	-19.28
Al3961_R		0.9066	ug/L	6.484	715.2	-4.794
As1891_A		1.942	ug/L	0.8627	44.43	-0.5248
Au2427_A		1.411	ug/L	0.8879	62.94	4.683
B_2089_A		2.905	ug/L	0.4709	16.21	4.948
Ba4554_R		0.3429	ug/L	0.2260	65.92	-1.613
Be3130_R		0.1305	ug/L	0.06883	52.76	-11.49
Ca3158_R		4.946	ug/L	1.281	25.91	-12.25
Cd2265_A		0.09715	ug/L	0.09942	102.3	0.2489
Co2286_A		0.3439	ug/L	0.08322	24.20	6.114
Cr2677_A		0.01324	ug/L	0.1409	1,064	5.659
Cu3273_A		-0.01106	ug/L	0.03416	309.0	38.19
Fe2599_R		5.446	ug/L	0.8998	16.52	14.27
K_7664_R		-59.86	ug/L	13.40	22.39	-16.79
Li6707_R		0.4675	ug/L	0.8729	186.7	60.78
Mg2025_A		-0.8399	ug/L	0.9230	109.9	-0.7310
Mn2576_R		0.9287	ug/L	0.1914	20.61	3.771
Mo2020_A		1.530	ug/L	0.3731	24.39	2.766
Na5895_R		4.766	ug/L	2.865	60.10	-112.2
Ni2316_A		0.5358	ug/L	0.2022	37.74	0.5048
Pb2203_A		-1.310	ug/L	0.9315	71.12	-0.4868
Sb2068_A		-0.2779	ug/L	1.003	360.8	1.151
Se1960_A		-1.737	ug/L	1.435	82.61	0.3424
Si2516_R		4.037	ug/L	2.174	53.85	11.91
Sn1899_A		0.2769	ug/L	0.6184	223.3	0.4873
Sr4215_R		-0.3427	ug/L	0.02557	7.461	-40.82
Ti3349_A		0.6021	ug/L	0.1544	25.65	-7.065
Tl1908_A		1.568	ug/L	0.09988	6.370	0.9259
V_2924_A		0.1445	ug/L	0.4840	335.1	-1.395
Zn2062_A		0.1174	ug/L	0.06571	55.97	1.878
Y_3600_R		12,984	Cts/S	7.2621	0.055932	12,984
Y_2243_A		6,955.5	Cts/S	0.45613	0.0065578	6,955.5
Y_3600_A		203,710	Cts/S	462.11	0.22684	203,710

SG4836-014

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:00:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4885	ug/L	1.241	253.9	-102.9
Al3961_R	W	25,560	ug/L	758.1	2.966	11,960
As1891_A		4.171	ug/L	0.9122	21.87	-0.3012
Au2427_A		-0.6441	ug/L	1.096	170.1	7.755
B_2089_A		18.62	ug/L	0.1786	0.9592	18.34
Ba4554_R		58.15	ug/L	1.775	3.053	1,675
Be3130_R		0.4770	ug/L	0.05113	10.72	-26.17
Ca3158_R		4,463	ug/L	161.3	3.614	3,258
Cd2265_A		0.3463	ug/L	0.05026	14.51	10.83
Co2286_A		1.534	ug/L	0.1550	10.11	16.78
Cr2677_A		38.48	ug/L	1.076	2.796	510.8
Cu3273_A		82.13	ug/L	1.278	1.556	1,036
Fe2599_R		15,020	ug/L	537.0	3.575	17,430
K_7664_R		741.2	ug/L	32.69	4.411	322.5
Li6707_R		6.228	ug/L	1.644	26.39	99.84
Mg2025_A		795.6	ug/L	22.58	2.838	126.7
Mn2576_R		257.0	ug/L	8.413	3.273	1,489
Mo2020_A		4.136	ug/L	0.2776	6.712	7.430

SG4836-014

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:00:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		147.9	ug/L	8.794	5.945	47.29
Ni2316_A		15.04	ug/L	0.1397	0.9285	25.11
Pb2203_A		86.06	ug/L	0.8560	0.9947	74.80
Sb2068_A		3.608	ug/L	0.2341	6.489	2.682
Se1960_A		0.5080	ug/L	0.05610	11.04	0.7810
Si2516_R		3,334	ug/L	28.60	0.8579	956.0
Sn1899_A		30.82	ug/L	0.8598	2.790	13.78
Sr4215_R		37.55	ug/L	1.110	2.957	1,336
Ti3349_A		863.4	ug/L	21.78	2.523	20,640
Tl1908_A		0.3166	ug/L	0.2372	74.92	-0.1354
V_2924_A		22.72	ug/L	0.7744	3.408	288.6
Zn2062_A		124.5	ug/L	2.489	2.000	369.9
Y_3600_R		13,091	Cts/S	306.39	2.3405	13,091
Y_2243_A		7,151.1	Cts/S	118.82	1.6616	7,151.1
Y_3600_A		204,020	Cts/S	3,533.7	1.7321	204,020

SG4836-015

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:04:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.66	ug/L	0.7726	7.248	-339.5
Al3961_R	W	86,860	ug/L	1,781	2.050	42,140
As1891_A		13.96	ug/L	1.798	12.88	0.7685
Au2427_A		3.699	ug/L	2.271	61.39	57.76
B_2089_A		19.16	ug/L	0.01608	0.08392	18.62
Ba4554_R		181.7	ug/L	4.524	2.490	5,448
Be3130_R		1.234	ug/L	0.09005	7.298	10.31
Ca3158_R		3,970	ug/L	103.7	2.612	3,002
Cd2265_A		4.571	ug/L	0.05281	1.155	91.41
Co2286_A		25.00	ug/L	0.06841	0.2736	93.73
Cr2677_A		199.9	ug/L	6.036	3.020	2,648
Cu3273_A	W	2,413	ug/L	74.84	3.101	30,280
Fe2599_R	W	85,270	ug/L	2,088	2.448	102,500
K_7664_R		2,521	ug/L	96.04	3.810	1,116
Li6707_R		43.72	ug/L	1.931	4.417	364.6
Mg2025_A		2,961	ug/L	4.747	0.1603	468.1
Mn2576_R	W	2,627	ug/L	66.62	2.536	15,780
Mo2020_A		5.603	ug/L	0.05941	1.060	9.889
Na5895_R		251.9	ug/L	17.58	6.977	169.9
Ni2316_A		69.74	ug/L	0.5560	0.7973	115.3
Pb2203_A	W	6,291	ug/L	8.387	0.1333	5,542
Sb2068_A		102.9	ug/L	0.5862	0.5696	34.24
Se1960_A		-0.4053	ug/L	1.475	363.9	1.008
Si2516_R		3,140	ug/L	77.39	2.465	931.2
Sn1899_A		145.6	ug/L	1.750	1.202	62.99
Sr4215_R		32.90	ug/L	0.7842	2.384	1,210
Ti3349_A	W	1,191	ug/L	38.08	3.197	28,660
Tl1908_A		1.147	ug/L	0.02717	2.369	-1.723
V_2924_A		155.4	ug/L	4.221	2.716	1,937
Zn2062_A	W	2,454	ug/L	4.014	0.1636	7,182
Y_3600_R		13,565	Cts/S	163.22	1.2032	13,565
Y_2243_A		7,068.5	Cts/S	14.800	0.20939	7,068.5
Y_3600_A		205,300	Cts/S	4,365.7	2.1265	205,300

SG4836-016

Method Name: K6010-2011 Method Revision: 827

SG4836-016

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:09:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.255	ug/L	0.2245	17.88	-124.6
Al3961_R	W	52,820	ug/L	174.2	0.3298	25,240
As1891_A		6.974	ug/L	1.351	19.38	0.2974
Au2427_A		-0.9247	ug/L	0.1817	19.66	11.30
B_2089_A		5.437	ug/L	0.4389	8.072	7.337
Ba4554_R		85.31	ug/L	0.7183	0.8421	2,514
Be3130_R		0.7089	ug/L	0.08902	12.56	-14.72
Ca3158_R		673.1	ug/L	0.3766	0.05595	487.9
Cd2265_A		0.06982	ug/L	0.01370	19.62	10.04
Co2286_A		2.627	ug/L	0.2766	10.53	20.61
Cr2677_A		67.14	ug/L	0.07009	0.1044	894.0
Cu3273_A		10.78	ug/L	0.5292	4.910	148.0
Fe2599_R		20,730	ug/L	167.0	0.8056	24,550
K_7664_R		751.0	ug/L	9.899	1.318	333.6
Li6707_R		26.77	ug/L	1.824	6.813	242.8
Mg2025_A		1,073	ug/L	28.32	2.638	168.4
Mn2576_R		86.17	ug/L	1.071	1.243	510.0
Mo2020_A		9.201	ug/L	0.08914	0.9688	16.08
Na5895_R		107.7	ug/L	18.55	17.22	2.499
Ni2316_A		15.62	ug/L	0.3448	2.208	25.22
Pb2203_A		42.03	ug/L	1.419	3.377	31.86
Sb2068_A		1.762	ug/L	0.6255	35.49	2.390
Se1960_A		-3.899	ug/L	1.994	51.15	0.03501
Si2516_R		2,235	ug/L	0.5269	0.02357	657.7
Sn1899_A		24.81	ug/L	1.213	4.887	10.99
Sr4215_R		14.51	ug/L	0.2368	1.632	509.3
Ti3349_A		944.7	ug/L	6.952	0.7359	22,780
Tl1908_A		0.04642	ug/L	0.5993	1,291	-0.07537
V_2924_A		58.35	ug/L	0.7788	1.335	759.9
Zn2062_A		17.89	ug/L	0.5913	3.305	53.43
Y_3600_R		13,361	Cts/S	136.62	1.0226	13,361
Y_2243_A		7,035.0	Cts/S	116.78	1.6600	7,035.0
Y_3600_A		205,710	Cts/S	1,180.4	0.57384	205,710

SG4836-017

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:13:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		7.313	ug/L	0.2146	2.935	-372.8
Al3961_R	W	109,000	ug/L	1,342	1.231	51,890
As1891_A		12.43	ug/L	0.7250	5.833	0.3636
Au2427_A		2.542	ug/L	0.8442	33.21	55.15
B_2089_A		23.37	ug/L	0.002649	0.01133	22.07
Ba4554_R	W	2,235	ug/L	28.36	1.269	65,900
Be3130_R		1.409	ug/L	0.01760	1.249	-8.993
Ca3158_R		6,797	ug/L	114.4	1.682	5,056
Cd2265_A		11.88	ug/L	0.03999	0.3367	175.4
Co2286_A		15.87	ug/L	0.1423	0.8966	70.11
Cr2677_A		276.0	ug/L	0.8119	0.2942	3,555
Cu3273_A	W	1,077	ug/L	4.065	0.3774	13,140
Fe2599_R	W	81,900	ug/L	1,245	1.521	96,600
K_7664_R		2,971	ug/L	1.866	0.06280	1,289
Li6707_R		48.80	ug/L	1.878	3.848	392.3
Mg2025_A		4,117	ug/L	3.077	0.07474	647.7
Mn2576_R	W	1,827	ug/L	32.87	1.799	10,770
Mo2020_A		6.830	ug/L	0.09620	1.408	11.99

SG4836-017

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:13:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		272.4	ug/L	1.356	0.4980	190.1
Ni2316_A		76.37	ug/L	0.1341	0.1756	126.8
Pb2203_A	W	2,504	ug/L	6.235	0.2490	2,190
Sb2068_A		354.4	ug/L	3.735	1.054	111.7
Se1960_A		-0.2433	ug/L	2.738	1,125	0.9296
Si2516_R		2,962	ug/L	48.97	1.653	862.8
Sn1899_A		159.5	ug/L	0.1263	0.07918	68.68
Sr4215_R		62.75	ug/L	0.02505	0.03992	2,290
Ti3349_A	W	1,896	ug/L	21.08	1.112	44,430
Tl1908_A		2.396	ug/L	0.1687	7.041	-0.7693
V_2924_A		168.9	ug/L	1.746	1.034	2,085
Zn2062_A	W	5,782	ug/L	13.46	0.2328	16,860
Y_3600_R		13,309	Cts/S	26.253	0.19726	13,309
Y_2243_A		7,042.0	Cts/S	2.9018	0.041208	7,042.0
Y_3600_A		199,850	Cts/S	1,675.1	0.83817	199,850

SG4836-018

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:17:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.287	ug/L	0.3018	13.20	-228.6
Al3961_R	W	44,110	ug/L	119.2	0.2703	20,310
As1891_A		4.486	ug/L	2.275	50.72	-0.8274
Au2427_A		-1.354	ug/L	0.9406	69.46	23.06
B_2089_A		14.23	ug/L	0.5414	3.805	14.42
Ba4554_R		80.20	ug/L	0.2815	0.3511	2,277
Be3130_R		0.5773	ug/L	0.05519	9.560	-22.55
Ca3158_R		3,097	ug/L	20.37	0.6578	2,220
Cd2265_A		4.829	ug/L	0.01538	0.3186	74.68
Co2286_A		6.566	ug/L	0.05206	0.7928	33.50
Cr2677_A		54.16	ug/L	1.282	2.368	721.9
Cu3273_A		68.03	ug/L	1.382	2.032	863.7
Fe2599_R	W	41,640	ug/L	181.7	0.4363	47,510
K_7664_R		1,598	ug/L	22.52	1.409	674.6
Li6707_R		26.60	ug/L	1.244	4.679	232.9
Mg2025_A		1,691	ug/L	9.925	0.5869	265.9
Mn2576_R		269.0	ug/L	1.566	0.5823	1,535
Mo2020_A		3.447	ug/L	0.01309	0.3797	6.119
Na5895_R		149.4	ug/L	3.681	2.465	48.22
Ni2316_A		26.72	ug/L	0.2214	0.8286	42.99
Pb2203_A		584.8	ug/L	4.302	0.7356	510.7
Sb2068_A		4.041	ug/L	2.099	51.94	2.761
Se1960_A		0.08747	ug/L	2.026	2,316	0.7336
Si2516_R		2,939	ug/L	19.51	0.6638	829.3
Sn1899_A		123.6	ug/L	0.5966	0.4825	53.36
Sr4215_R		23.68	ug/L	0.6107	2.579	818.7
Ti3349_A		953.6	ug/L	23.65	2.480	22,960
Tl1908_A		0.2408	ug/L	0.08204	34.07	-0.1930
V_2924_A		59.74	ug/L	1.866	3.124	774.2
Zn2062_A	W	2,563	ug/L	18.74	0.7313	7,477
Y_3600_R		12,875	Cts/S	64.598	0.50172	12,875
Y_2243_A		7,045.5	Cts/S	28.358	0.40249	7,045.5
Y_3600_A		205,410	Cts/S	2,376.1	1.1568	205,410

SG4836-019

Method Name: K6010-2011 Method Revision: 827

SG4836-019

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:22:25PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.537	ug/L	3.792	149.5	-661.1
Al3961_R	W	42,690	ug/L	4,070	9.534	21,660
As1891_A		15.90	ug/L	2.674	16.82	0.7000
Au2427_A		4.230	ug/L	2.987	70.62	84.26
B_2089_A		12.56	ug/L	0.1430	1.138	13.11
Ba4554_R		181.8	ug/L	17.13	9.423	5,703
Be3130_R		0.6962	ug/L	0.07485	10.75	-11.58
Ca3158_R		4,424	ug/L	425.1	9.608	3,501
Cd2265_A		7.845	ug/L	0.4566	5.820	142.0
Co2286_A		12.57	ug/L	0.1799	1.432	53.05
Cr2677_A		97.53	ug/L	1.833	1.879	1,287
Cu3273_A	W	1,074	ug/L	19.19	1.787	13,380
Fe2599_R	W	117,500	ug/L	10,970	9.330	147,800
K_7664_R		1,281	ug/L	100.5	7.842	598.1
Li6707_R		19.69	ug/L	3.646	18.52	206.1
Mg2025_A		1,894	ug/L	4.456	0.2353	296.1
Mn2576_R	W	1,460	ug/L	132.0	9.043	9,182
Mo2020_A		8.690	ug/L	0.3043	3.502	15.09
Na5895_R		280.7	ug/L	10.55	3.759	213.0
Ni2316_A		55.16	ug/L	0.2873	0.5208	85.81
Pb2203_A	W	1,485	ug/L	4.312	0.2903	1,294
Sb2068_A		33.03	ug/L	0.4630	1.402	11.47
Se1960_A		-2.595	ug/L	3.060	117.9	0.5237
Si2516_R		2,522	ug/L	279.6	11.08	783.0
Sn1899_A		350.4	ug/L	0.2929	0.08359	149.4
Sr4215_R		27.25	ug/L	1.997	7.331	1,043
Ti3349_A		853.5	ug/L	16.60	1.944	20,370
Tl1908_A		1.495	ug/L	0.1666	11.15	-0.6552
V_2924_A		95.58	ug/L	1.256	1.314	1,194
Zn2062_A	W	3,289	ug/L	3.108	0.09449	9,519
Y_3600_R		14,232	Cts/S	931.35	6.5439	14,232
Y_2243_A		6,990.5	Cts/S	12.902	0.18457	6,990.5
Y_3600_A		203,650	Cts/S	3,250.1	1.5959	203,650

SG4836-020

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:26:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		5.622	ug/L	0.7450	13.25	-419.8
Al3961_R	W	54,760	ug/L	434.0	0.7924	25,800
As1891_A	F	-149.1	ug/L	121.1	81.26	-37.45
Au2427_A		1.189	ug/L	1.263	106.2	51.55
B_2089_A		-36.41	ug/L	33.57	92.20	-21.60
Ba4554_R		158.7	ug/L	1.446	0.9109	4,621
Be3130_R		0.6080	ug/L	0.06019	9.899	-15.38
Ca3158_R		3,356	ug/L	33.12	0.9870	2,462
Cd2265_A		8.726	ug/L	4.132	47.35	118.9
Co2286_A		17.71	ug/L	6.065	34.24	58.05
Cr2677_A		175.5	ug/L	0.3736	0.2128	2,194
Cu3273_A		232.7	ug/L	1.158	0.4976	2,768
Fe2599_R	W	88,720	ug/L	872.4	0.9834	103,600
K_7664_R		1,082	ug/L	4.349	0.4021	469.8
Li6707_R		25.90	ug/L	1.918	7.404	233.5
Mg2025_A		1,104	ug/L	101.8	9.218	148.7
Mn2576_R		531.8	ug/L	2.492	0.4686	3,107
Mo2020_A		51.89	ug/L	22.40	43.17	76.18

SG4836-020

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:26:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		199.5	ug/L	6.401	3.209	105.9
Ni2316_A		120.4	ug/L	1.806	1.500	173.4
Pb2203_A	W	2,663	ug/L	88.12	3.310	1,991
Sb2068_A	F	-69.06	ug/L	71.66	103.8	-15.68
Se1960_A		507.2	ug/L	392.2	77.33	70.78
Si2516_R		2,427	ug/L	24.07	0.9921	700.9
Sn1899_A		70.23	ug/L	9.077	12.92	26.00
Sr4215_R		24.23	ug/L	0.1402	0.5786	857.4
Ti3349_A		848.2	ug/L	9.972	1.176	19,260
Tl1908_A		36.15	ug/L	26.22	72.54	12.61
V_2924_A		113.1	ug/L	1.073	0.9489	1,368
Zn2062_A	W	1,820	ug/L	19.69	1.082	4,521
Y_3600_R		13,171	Cts/S	5.4145	0.041109	13,171
Y_2243_A		5,997.6	Cts/S	216.19	3.6047	5,997.6
Y_3600_A		193,740	Cts/S	3,453.4	1.7825	193,740

LCSWGG11ICW2

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:31:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.10	ug/L	1.872	3.737	821.2
Al3961_R		1,925	ug/L	5.302	0.2754	928.7
As1891_A		99.04	ug/L	0.3543	0.3578	26.39
Au2427_A		0.3089	ug/L	1.310	424.2	0.1630
B_2089_A		517.7	ug/L	2.002	0.3868	436.0
Ba4554_R		1,975	ug/L	39.18	1.983	58,940
Be3130_R		49.78	ug/L	0.7693	1.545	3,137
Ca3158_R		2,586	ug/L	45.89	1.775	1,936
Cd2265_A		260.7	ug/L	0.4571	0.1754	3,008
Co2286_A		530.0	ug/L	0.9266	0.1748	1,634
Cr2677_A		208.2	ug/L	3.652	1.754	2,694
Cu3273_A		261.4	ug/L	5.376	2.056	3,233
Fe2599_R		996.7	ug/L	18.90	1.897	1,198
K_7664_R		9,731	ug/L	176.3	1.812	4,253
Li6707_R		482.2	ug/L	7.807	1.619	3,392
Mg2025_A		5,345	ug/L	2.721	0.05091	851.1
Mn2576_R		499.4	ug/L	7.922	1.586	2,977
Mo2020_A		315.3	ug/L	0.8262	0.2620	542.3
Na5895_R		7,318	ug/L	150.2	2.052	8,322
Ni2316_A		520.8	ug/L	2.121	0.4074	907.6
Pb2203_A		107.4	ug/L	0.6448	0.6003	93.74
Sb2068_A		103.7	ug/L	1.037	0.9997	31.62
Se1960_A		96.45	ug/L	0.2902	0.3009	16.42
Si2516_R		4,863	ug/L	135.0	2.775	1,431
Sn1899_A		544.0	ug/L	1.344	0.2472	231.4
Sr4215_R		488.9	ug/L	9.595	1.963	18,260
Ti3349_A		506.5	ug/L	10.38	2.049	11,920
Tl1908_A		107.5	ug/L	0.3536	0.3288	45.65
V_2924_A		503.3	ug/L	10.66	2.119	6,344
Zn2062_A		518.9	ug/L	1.228	0.2367	1,501
Y_3600_R		13,469	Cts/S	181.83	1.3500	13,469
Y_2243_A		6,982.9	Cts/S	24.843	0.35577	6,982.9
Y_3600_A		200,870	Cts/S	3,034.8	1.5108	200,870

PBWGG11ICW2

Method Name: K6010-2011 Method Revision: 827

PBWGG11ICW2

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:35:41PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1642	ug/L	0.2628	160.0	-21.64
Al3961_R		15.30	ug/L	13.59	88.79	1.899
As1891_A		-0.4036	ug/L	0.6349	157.3	-1.197
Au2427_A		0.3433	ug/L	0.2359	68.71	1.598
B_2089_A		0.7822	ug/L	0.8123	103.8	3.281
Ba4554_R		1.349	ug/L	0.2521	18.69	27.99
Be3130_R		0.02338	ug/L	0.01067	45.65	-18.50
Ca3158_R		11.00	ug/L	5.310	48.26	-8.060
Cd2265_A		-0.007168	ug/L	0.05211	726.9	-0.9734
Co2286_A		-0.06295	ug/L	0.1925	305.8	4.985
Cr2677_A		0.1546	ug/L	0.1984	128.4	7.641
Cu3273_A		0.1867	ug/L	0.5820	311.8	41.35
Fe2599_R		4.838	ug/L	0.8952	18.50	13.90
K_7664_R		14.47	ug/L	25.96	179.5	14.88
Li6707_R		-0.1130	ug/L	2.137	1,891	58.27
Mg2025_A		6.724	ug/L	1.344	19.99	0.4374
Mn2576_R		0.3770	ug/L	0.3281	87.02	0.6233
Mo2020_A		1.052	ug/L	0.2760	26.23	1.995
Na5895_R		32.40	ug/L	8.901	27.48	-83.60
Ni2316_A		0.1171	ug/L	0.08254	70.50	-0.2280
Pb2203_A		-0.006663	ug/L	0.8090	12,140	0.6590
Sb2068_A		-0.6144	ug/L	1.199	195.1	1.074
Se1960_A		-2.760	ug/L	2.169	78.57	0.1799
Si2516_R		18.38	ug/L	3.303	17.97	16.34
Sn1899_A		0.5792	ug/L	0.07094	12.25	0.6299
Sr4215_R		-0.1127	ug/L	0.5669	502.8	-33.45
Ti3349_A		0.4502	ug/L	0.1259	27.97	-10.89
Tl1908_A		1.101	ug/L	1.040	94.43	0.7451
V_2924_A		0.2933	ug/L	0.07883	26.88	0.5871
Zn2062_A	F	23.45	ug/L	0.1471	0.6270	70.71
Y_3600_R		13,312	Cts/S	126.09	0.94724	13,312
Y_2243_A		7,120.6	Cts/S	13.931	0.19565	7,120.6
Y_3600_A		207,230	Cts/S	705.17	0.34028	207,230

PBT1117A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:40:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1399	ug/L	0.6786	484.9	-14.85
Al3961_R		-8.846	ug/L	14.73	166.5	-9.301
As1891_A		-1.670	ug/L	1.121	67.16	-1.451
Au2427_A		-0.6933	ug/L	0.07867	11.35	-1.412
B_2089_A		1.398	ug/L	0.5741	41.07	3.522
Ba4554_R		1.600	ug/L	0.06944	4.340	34.47
Be3130_R		-0.02449	ug/L	0.1123	458.4	-20.96
Ca3158_R		6.783	ug/L	11.36	167.5	-10.93
Cd2265_A		-0.04933	ug/L	0.1098	222.6	-1.380
Co2286_A		0.03253	ug/L	0.01709	52.55	4.935
Cr2677_A		0.2697	ug/L	0.1156	42.87	8.335
Cu3273_A		1.331	ug/L	0.4707	35.36	50.83
Fe2599_R		-0.1013	ug/L	0.4351	429.4	7.866
K_7664_R		29.78	ug/L	61.07	205.1	20.74
Li6707_R		0.7785	ug/L	0.3857	49.54	62.71
Mg2025_A		3.575	ug/L	4.218	118.0	-0.06038
Mn2576_R		0.5874	ug/L	0.1509	25.68	1.808
Mo2020_A		0.2291	ug/L	0.1365	59.58	0.5137

PBT1117A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:40:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	256,000	ug/L	4,254	1.662	284,100
Ni2316_A		1.307	ug/L	0.1558	11.92	1.762
Pb2203_A		0.07044	ug/L	0.6384	906.3	0.6806
Sb2068_A		-2.564	ug/L	1.301	50.76	0.4383
Se1960_A		-1.748	ug/L	2.759	157.8	0.3274
Si2516_R		16.56	ug/L	7.047	42.54	15.40
Sn1899_A		-0.1277	ug/L	0.01400	10.97	0.3024
Sr4215_R		0.002322	ug/L	0.1577	6,790	-28.30
Ti3349_A		-0.01751	ug/L	0.2699	1,541	-20.26
Tl1908_A		1.279	ug/L	0.1092	8.543	0.7687
V_2924_A		-0.1252	ug/L	0.2435	194.5	-4.403
Zn2062_A		4.308	ug/L	0.1310	3.040	13.34
Y_3600_R		12,958	Cts/S	111.96	0.86408	12,958
Y_2243_A		6,652.9	Cts/S	46.657	0.70131	6,652.9
Y_3600_A		188,450	Cts/S	958.02	0.50836	188,450

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:44:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		479.2	ug/L	0.9292	0.1939	7,894
Al3961_R		12,360	ug/L	127.1	1.028	5,739
As1891_A		488.4	ug/L	2.507	0.5133	132.1
Au2427_A		495.8	ug/L	3.933	0.7933	1,446
B_2089_A		493.9	ug/L	1.047	0.2119	417.8
Ba4554_R		498.9	ug/L	1.898	0.3805	14,320
Be3130_R		501.5	ug/L	6.217	1.240	30,700
Ca3158_R		12,830	ug/L	32.74	0.2551	9,312
Cd2265_A		509.5	ug/L	1.891	0.3711	5,817
Co2286_A		507.6	ug/L	1.280	0.2521	1,547
Cr2677_A		502.4	ug/L	1.290	0.2569	6,387
Cu3273_A		501.2	ug/L	0.1902	0.03794	6,078
Fe2599_R		12,590	ug/L	170.8	1.356	14,480
K_7664_R		12,080	ug/L	71.59	0.5927	5,080
Li6707_R		487.3	ug/L	2.525	0.5182	3,300
Mg2025_A		12,840	ug/L	59.09	0.4604	1,996
Mn2576_R		506.9	ug/L	4.305	0.8494	2,910
Mo2020_A		514.2	ug/L	0.5071	0.09863	874.1
Na5895_R		12,100	ug/L	18.14	0.1498	13,330
Ni2316_A		499.1	ug/L	0.09610	0.01926	859.2
Pb2203_A		514.3	ug/L	2.272	0.4418	441.8
Sb2068_A		491.5	ug/L	1.269	0.2582	149.3
Se1960_A		486.8	ug/L	3.339	0.6860	79.18
Si2516_R		12,690	ug/L	152.5	1.202	3,576
Sn1899_A		510.0	ug/L	1.888	0.3702	214.5
Sr4215_R		491.5	ug/L	5.799	1.180	17,670
Ti3349_A		486.1	ug/L	2.507	0.5158	11,250
Tl1908_A		508.3	ug/L	2.866	0.5638	213.4
V_2924_A		490.4	ug/L	3.038	0.6196	6,042
Zn2062_A		500.0	ug/L	1.166	0.2332	1,429
Y_3600_R		12,966	Cts/S	48.324	0.37270	12,966
Y_2243_A		6,901.8	Cts/S	21.239	0.30773	6,901.8
Y_3600_A		197,600	Cts/S	1,638.8	0.82933	197,600

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:49:13PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5138	ug/L	0.3174	61.77	-9.496
Al3961_R		-7.510	ug/L	20.90	278.2	-8.558
As1891_A		0.1493	ug/L	1.200	803.5	-1.022
Au2427_A		0.02420	ug/L	0.2189	904.6	0.6364
B_2089_A		0.9893	ug/L	0.1671	16.89	3.404
Ba4554_R		0.6696	ug/L	0.1587	23.70	7.688
Be3130_R		0.07459	ug/L	0.01508	20.22	-14.70
Ca3158_R		10.68	ug/L	7.769	72.73	-7.970
Cd2265_A		0.03858	ug/L	0.08033	208.2	-0.4314
Co2286_A		0.1991	ug/L	0.01354	6.800	5.709
Cr2677_A		-0.2815	ug/L	0.3844	136.6	1.769
Cu3273_A		0.2885	ug/L	0.7203	249.6	41.35
Fe2599_R		4.275	ug/L	2.682	62.73	12.74
K_7664_R		-39.68	ug/L	6.703	16.89	-8.178
Li6707_R		1.313	ug/L	0.6193	47.17	65.45
Mg2025_A		-0.3358	ug/L	2.312	688.4	-0.6603
Mn2576_R		-0.08484	ug/L	0.09917	116.9	-2.028
Mo2020_A		1.360	ug/L	0.2335	17.17	2.493
Na5895_R		5.901	ug/L	11.35	192.4	-109.3
Ni2316_A		0.06910	ug/L	0.09384	135.8	-0.3066
Pb2203_A		-0.2247	ug/L	0.8349	371.6	0.4627
Sb2068_A		-0.4214	ug/L	1.039	246.6	1.114
Se1960_A		-2.325	ug/L	2.727	117.3	0.2462
Si2516_R		16.51	ug/L	10.02	60.69	15.20
Sn1899_A		0.6344	ug/L	0.1229	19.37	0.6424
Sr4215_R		0.02424	ug/L	0.07411	305.7	-27.19
Ti3349_A		0.7782	ug/L	0.1404	18.04	-2.820
Tl1908_A		0.5095	ug/L	0.2064	40.51	0.4808
V_2924_A		0.4048	ug/L	0.07085	17.50	2.004
Zn2062_A		0.2076	ug/L	0.04583	22.08	2.151
Y_3600_R		12,795	Cts/S	56.227	0.43946	12,795
Y_2243_A		6,999.6	Cts/S	68.232	0.97480	6,999.6
Y_3600_A		201,010	Cts/S	326.89	0.16263	201,010

SG4770-001T

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:53:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6309	ug/L	0.1604	25.43	-6.971
Al3961_R		163.1	ug/L	14.46	8.868	69.78
As1891_A	W	1,002	ug/L	4.068	0.4061	259.6
Au2427_A		2.033	ug/L	0.7727	38.01	3.123
B_2089_A		15.32	ug/L	0.08831	0.5764	14.24
Ba4554_R		65.27	ug/L	0.7928	1.215	1,847
Be3130_R		0.03226	ug/L	0.07352	227.9	-17.26
Ca3158_R	W	168,700	ug/L	91.14	0.05403	121,500
Cd2265_A		659.6	ug/L	2.982	0.4520	7,176
Co2286_A		1.891	ug/L	0.3303	17.47	10.20
Cr2677_A		100.3	ug/L	0.4132	0.4121	1,203
Cu3273_A		4.958	ug/L	0.2247	4.532	91.31
Fe2599_R		9.858	ug/L	1.032	10.47	19.13
K_7664_R		2,095	ug/L	23.84	1.138	879.8
Li6707_R		5.961	ug/L	2.318	38.89	96.31
Mg2025_A		6,985	ug/L	36.52	0.5228	1,027
Mn2576_R		819.2	ug/L	7.550	0.9216	4,658
Mo2020_A		0.6706	ug/L	0.4630	69.05	1.241

SG4770-001T

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:53:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	249,500	ug/L	34.42	0.01379	274,500
Ni2316_A		3.535	ug/L	0.03898	1.103	5.404
Pb2203_A		152.2	ug/L	1.382	0.9080	125.6
Sb2068_A		1.755	ug/L	0.9980	56.86	1.967
Se1960_A		375.1	ug/L	3.391	0.9040	58.36
Si2516_R		723.0	ug/L	13.83	1.913	211.8
Sn1899_A		0.7881	ug/L	0.1332	16.90	0.6661
Sr4215_R		937.7	ug/L	9.699	1.034	33,430
Ti3349_A		0.2357	ug/L	0.07629	32.37	-14.15
Tl1908_A		4.092	ug/L	0.1482	3.621	1.332
V_2924_A		2.015	ug/L	0.1345	6.677	-8.952
Zn2062_A		250.2	ug/L	0.7943	0.3174	683.2
Y_3600_R		12,845	Cts/S	34.719	0.27029	12,845
Y_2243_A		6,583.8	Cts/S	15.172	0.23045	6,583.8
Y_3600_A		185,780	Cts/S	309.82	0.16677	185,780

SG4771-001T

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 8:58:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5979	ug/L	0.3617	60.50	-17.02
Al3961_R		100.3	ug/L	0.4815	0.4800	41.30
As1891_A		1.471	ug/L	1.288	87.58	-0.6673
Au2427_A		-0.4455	ug/L	1.273	285.7	-1.747
B_2089_A		11.18	ug/L	0.1730	1.548	11.19
Ba4554_R		56.20	ug/L	1.773	3.155	1,604
Be3130_R		0.08236	ug/L	0.01989	24.16	-14.36
Ca3158_R	W	34,670	ug/L	944.9	2.726	25,200
Cd2265_A		34.70	ug/L	0.01488	0.04287	383.6
Co2286_A		12.33	ug/L	0.04203	0.3410	41.14
Cr2677_A		1.246	ug/L	0.1656	13.29	20.84
Cu3273_A		24.11	ug/L	0.1769	0.7335	311.2
Fe2599_R		1,791	ug/L	64.83	3.620	2,067
K_7664_R		665.7	ug/L	34.14	5.128	288.0
Li6707_R		8.317	ug/L	0.3561	4.281	113.0
Mg2025_A		1,020	ug/L	2.304	0.2259	152.1
Mn2576_R		569.9	ug/L	15.74	2.762	3,273
Mo2020_A		-0.2855	ug/L	0.2234	78.25	-0.3309
Na5895_R	F	244,500	ug/L	5,637	2.306	271,600
Ni2316_A		44.10	ug/L	0.05073	0.1151	73.08
Pb2203_A	W	1,047	ug/L	2.272	0.2170	874.7
Sb2068_A		-1.954	ug/L	2.371	121.3	0.5880
Se1960_A		-2.864	ug/L	0.8813	30.77	0.2237
Si2516_R		606.5	ug/L	2.673	0.4407	181.2
Sn1899_A		0.6636	ug/L	0.7259	109.4	0.6261
Sr4215_R		243.4	ug/L	7.180	2.950	8,744
Ti3349_A		-0.2108	ug/L	0.3097	146.9	-24.36
Tl1908_A		0.4490	ug/L	0.6952	154.8	0.04979
V_2924_A		1.379	ug/L	0.09940	7.209	-3.329
Zn2062_A	W	1,572	ug/L	0.02850	0.001813	4,356
Y_3600_R		12,975	Cts/S	100.58	0.77516	12,975
Y_2243_A		6,691.1	Cts/S	2.7592	0.041237	6,691.1
Y_3600_A		187,250	Cts/S	197.26	0.10535	187,250

SG4773-002T

Method Name: K6010-2011 Method Revision: 827

SG4773-002T

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:02:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1235	ug/L	0.4317	349.4	-19.20
Al3961_R		28.56	ug/L	1.474	5.160	7.848
As1891_A		5.916	ug/L	0.6411	10.84	0.5311
Au2427_A		-0.8843	ug/L	1.233	139.4	-1.699
B_2089_A		15.09	ug/L	0.9170	6.077	14.29
Ba4554_R		31.41	ug/L	0.5206	1.657	872.1
Be3130_R		0.04601	ug/L	0.07250	157.5	-16.23
Ca3158_R		11,410	ug/L	364.7	3.197	8,099
Cd2265_A		-0.009884	ug/L	0.1023	1,035	-0.5833
Co2286_A		0.5971	ug/L	0.1281	21.45	6.665
Cr2677_A		0.6794	ug/L	0.1514	22.28	13.21
Cu3273_A		1.690	ug/L	0.8394	49.67	53.86
Fe2599_R		847.4	ug/L	26.14	3.085	960.7
K_7664_R		4,015	ug/L	177.1	4.411	1,657
Li6707_R		5.867	ug/L	0.4002	6.822	94.60
Mg2025_A		3,766	ug/L	143.8	3.817	563.2
Mn2576_R		58.61	ug/L	2.116	3.609	327.8
Mo2020_A		0.1032	ug/L	0.2512	243.3	0.3045
Na5895_R	F	238,000	ug/L	5,804	2.439	258,600
Ni2316_A		7.497	ug/L	0.1893	2.525	12.07
Pb2203_A		0.6395	ug/L	1.391	217.6	1.194
Sb2068_A		-1.928	ug/L	0.02395	1.242	0.6293
Se1960_A		1.286	ug/L	2.924	227.3	0.8047
Si2516_R		322.9	ug/L	4.493	1.391	99.26
Sn1899_A		0.6714	ug/L	0.9637	143.6	0.6248
Sr4215_R		60.21	ug/L	1.911	3.175	2,094
Ti3349_A		0.03089	ug/L	0.08149	263.8	-18.84
Tl1908_A		-0.3571	ug/L	0.3036	85.03	0.06487
V_2924_A		0.02076	ug/L	0.3218	1,550	-4.205
Zn2062_A		84.50	ug/L	3.461	4.095	235.9
Y_3600_R		12,692	Cts/S	261.81	2.0628	12,692
Y_2243_A		6,703.5	Cts/S	195.23	2.9124	6,703.5
Y_3600_A		185,430	Cts/S	5,968.1	3.2186	185,430

SG4773-004T

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:07:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5915	ug/L	0.09718	16.43	-8.011
Al3961_R		43.15	ug/L	24.55	56.90	14.96
As1891_A		1.933	ug/L	0.1911	9.882	-0.5099
Au2427_A		1.542	ug/L	1.486	96.37	0.9130
B_2089_A		19.55	ug/L	0.08080	0.4132	17.81
Ba4554_R		25.82	ug/L	0.2045	0.7922	739.0
Be3130_R		0.05446	ug/L	0.007048	12.94	-16.23
Ca3158_R		10,830	ug/L	190.6	1.760	7,953
Cd2265_A		0.1490	ug/L	0.01121	7.527	0.8245
Co2286_A		1.200	ug/L	0.2337	19.47	8.413
Cr2677_A		0.8943	ug/L	0.2102	23.50	17.62
Cu3273_A		19.82	ug/L	0.7161	3.612	268.2
Fe2599_R		44.94	ug/L	1.203	2.678	60.34
K_7664_R		4,177	ug/L	88.69	2.123	1,783
Li6707_R		5.062	ug/L	1.873	37.00	92.36
Mg2025_A		2,272	ug/L	21.00	0.9242	339.8
Mn2576_R	W	1,055	ug/L	18.92	1.793	6,130
Mo2020_A		0.1352	ug/L	0.2390	176.7	0.3619

SG4773-004T

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:07:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	223,600	ug/L	2,006	0.8973	251,200
Ni2316_A		6.720	ug/L	0.3042	4.527	10.83
Pb2203_A		0.8821	ug/L	0.9664	109.6	1.359
Sb2068_A		-0.5818	ug/L	1.142	196.3	1.018
Se1960_A		-1.537	ug/L	0.4561	29.68	0.4886
Si2516_R		362.2	ug/L	20.65	5.701	113.8
Sn1899_A		0.3597	ug/L	0.01874	5.211	0.5036
Sr4215_R		53.98	ug/L	1.077	1.995	1,939
Ti3349_A		-0.2167	ug/L	0.2396	110.6	-25.07
Tl1908_A		1.258	ug/L	0.8345	66.32	0.03319
V_2924_A		2.405	ug/L	0.5928	24.65	-5.873
Zn2062_A		292.5	ug/L	1.487	0.5082	813.6
Y_3600_R		13,122	Cts/S	18.380	0.14007	13,122
Y_2243_A		6,706.2	Cts/S	33.215	0.49529	6,706.2
Y_3600_A		191,580	Cts/S	906.88	0.47337	191,580

SG4782-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:11:57PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.005520	ug/L	0.8329	15,090	-22.12
Al3961_R		736.5	ug/L	41.94	5.694	341.8
As1891_A		3.134	ug/L	1.052	33.56	-0.2137
Au2427_A		0.9760	ug/L	0.3086	31.62	3.524
B_2089_A		7.892	ug/L	0.2613	3.311	8.914
Ba4554_R		23.53	ug/L	0.8357	3.551	675.4
Be3130_R		0.06369	ug/L	0.08204	128.8	-17.18
Ca3158_R	W	58,670	ug/L	2,169	3.697	43,330
Cd2265_A		0.3264	ug/L	0.06799	20.83	3.213
Co2286_A		1.788	ug/L	0.1880	10.52	10.72
Cr2677_A		1.421	ug/L	0.07725	5.438	23.53
Cu3273_A		2.027	ug/L	0.1488	7.338	60.67
Fe2599_R		733.2	ug/L	25.56	3.486	864.3
K_7664_R		3,521	ug/L	102.8	2.921	1,511
Li6707_R		30.25	ug/L	2.323	7.680	263.2
Mg2025_A		19,060	ug/L	11.30	0.05930	2,941
Mn2576_R		87.50	ug/L	2.398	2.740	509.0
Mo2020_A		0.2230	ug/L	0.01240	5.561	0.5232
Na5895_R		12,030	ug/L	347.5	2.889	13,460
Ni2316_A		3.321	ug/L	0.04211	1.268	5.241
Pb2203_A		0.7544	ug/L	0.6602	87.52	1.231
Sb2068_A		-1.113	ug/L	0.9396	84.41	0.9063
Se1960_A		-1.053	ug/L	1.943	184.5	0.4624
Si2516_R		13,080	ug/L	389.6	2.978	3,745
Sn1899_A		-0.2987	ug/L	0.9750	326.4	0.2425
Sr4215_R		234.6	ug/L	6.753	2.878	8,558
Ti3349_A		34.85	ug/L	0.4801	1.378	788.0
Tl1908_A		1.196	ug/L	0.2643	22.10	0.6873
V_2924_A		3.053	ug/L	0.4193	13.73	32.78
Zn2062_A		4.251	ug/L	0.06226	1.465	13.68
Y_3600_R		13,178	Cts/S	152.92	1.1604	13,178
Y_2243_A		6,910.3	Cts/S	7.1821	0.10393	6,910.3
Y_3600_A		197,830	Cts/S	1,006.6	0.50880	197,830

SG4782-001L

Method Name: K6010-2011 Method Revision: 827

SG4782-001L

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:16:29PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.8456	ug/L	3.065	362.5	-15.60
Al3961_R		656.0	ug/L	37.47	5.712	54.93
As1891_A	F	-814.1	ug/L	618.4	75.96	-38.44
Au2427_A		-4.993	ug/L	2.215	44.36	-1.973
B_2089_A		-194.8	ug/L	115.0	59.01	-23.80
Ba4554_R		25.48	ug/L	1.079	4.235	131.9
Be3130_R		-0.02194	ug/L	0.6889	3,140	-19.51
Ca3158_R		62,820	ug/L	379.8	0.6047	8,908
Cd2265_A		26.66	ug/L	20.09	75.36	50.76
Co2286_A		37.83	ug/L	29.89	79.02	23.73
Cr2677_A		3.221	ug/L	1.088	33.79	13.33
Cu3273_A		-0.4005	ug/L	4.280	1,069	35.52
Fe2599_R		767.2	ug/L	1.539	0.2006	180.1
K_7664_R		3,713	ug/L	410.4	11.05	312.8
Li6707_R		45.75	ug/L	11.47	25.07	115.7
Mg2025_A		16,530	ug/L	155.1	0.9385	437.3
Mn2576_R		96.52	ug/L	1.084	1.124	106.8
Mo2020_A		149.3	ug/L	129.5	86.77	42.96
Na5895_R		12,850	ug/L	114.5	0.8911	2,676
Ni2316_A		35.35	ug/L	34.78	98.41	9.928
Pb2203_A	F	-546.3	ug/L	443.2	81.12	-78.99
Sb2068_A	F	-434.1	ug/L	346.4	79.79	-21.04
Se1960_A		2,437	ug/L	1,792	73.51	67.06
Si2516_R		13,440	ug/L	132.9	0.9890	748.1
Sn1899_A		-49.42	ug/L	53.39	108.0	-3.171
Sr4215_R		243.7	ug/L	3.797	1.558	1,687
Ti3349_A		33.93	ug/L	1.456	4.292	134.5
Tl1908_A		214.3	ug/L	177.1	82.65	15.42
V_2924_A		4.112	ug/L	1.629	39.61	3.510
Zn2062_A		122.1	ug/L	92.06	75.39	60.33
Y_3600_R		12,669	Cts/S	44.782	0.35348	12,669
Y_2243_A		5,924.2	Cts/S	230.40	3.8891	5,924.2
Y_3600_A		194,300	Cts/S	3,760.3	1.9353	194,300

SG4782-001A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:20:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		323.0	ug/L	19.43	6.016	5,363
Al3961_R		6,097	ug/L	8.189	0.1343	2,884
As1891_A		507.8	ug/L	82.33	16.21	138.4
Au2427_A		0.2650	ug/L	1.628	614.3	3.444
B_2089_A		526.0	ug/L	111.2	21.15	446.7
Ba4554_R		352.4	ug/L	4.625	1.313	10,290
Be3130_R		351.3	ug/L	2.477	0.7051	21,880
Ca3158_R	W	63,530	ug/L	1,747	2.749	47,000
Cd2265_A		512.2	ug/L	76.86	15.01	5,880
Co2286_A		513.6	ug/L	66.90	13.03	1,574
Cr2677_A		402.0	ug/L	17.40	4.329	5,144
Cu3273_A		373.7	ug/L	18.76	5.019	4,569
Fe2599_R		5,815	ug/L	121.4	2.087	6,809
K_7664_R		9,761	ug/L	41.77	0.4280	4,181
Li6707_R		318.5	ug/L	5.678	1.782	2,216
Mg2025_A		23,750	ug/L	165.0	0.6946	3,699
Mn2576_R		435.1	ug/L	7.576	1.741	2,542
Mo2020_A		515.3	ug/L	69.58	13.50	881.5

SG4782-001A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:20:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		16,400	ug/L	427.3	2.606	18,430
Ni2316_A		503.5	ug/L	65.80	13.07	872.8
Pb2203_A		521.0	ug/L	90.54	17.38	451.0
Sb2068_A		505.5	ug/L	77.65	15.36	155.6
Se1960_A		494.6	ug/L	101.3	20.49	80.95
Si2516_R		13,080	ug/L	238.8	1.826	3,751
Sn1899_A		0.5407	ug/L	0.09780	18.09	0.5974
Sr4215_R		552.8	ug/L	9.021	1.632	20,240
Ti3349_A		409.4	ug/L	18.71	4.570	9,538
Tl1908_A		512.3	ug/L	103.7	20.24	216.7
V_2924_A		378.0	ug/L	19.24	5.090	4,671
Zn2062_A		509.6	ug/L	70.92	13.92	1,465
Y_3600_R		13,200	Cts/S	123.27	0.93388	13,200
Y_2243_A		6,939.8	Cts/S	69.380	0.99974	6,939.8
Y_3600_A		198,870	Cts/S	1,121.4	0.56387	198,870

SG4782-001P

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:25:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.15	ug/L	0.2125	0.4237	811.3
Al3961_R		2,714	ug/L	90.35	3.329	1,283
As1891_A		101.9	ug/L	0.04020	0.03943	26.92
Au2427_A		1.856	ug/L	1.153	62.12	4.794
B_2089_A		532.3	ug/L	7.483	1.406	443.7
Ba4554_R	W	1,992	ug/L	57.36	2.880	58,270
Be3130_R		50.76	ug/L	1.318	2.596	3,136
Ca3158_R	W	59,880	ug/L	1,737	2.900	44,320
Cd2265_A		256.9	ug/L	3.666	1.427	2,936
Co2286_A		519.7	ug/L	6.127	1.179	1,587
Cr2677_A		206.0	ug/L	0.7063	0.3428	2,644
Cu3273_A		258.9	ug/L	0.01660	0.006411	3,175
Fe2599_R		1,724	ug/L	55.51	3.220	2,026
K_7664_R		13,250	ug/L	260.3	1.964	5,676
Li6707_R		513.5	ug/L	16.18	3.151	3,538
Mg2025_A		23,770	ug/L	351.5	1.479	3,690
Mn2576_R		581.4	ug/L	17.87	3.073	3,398
Mo2020_A		317.8	ug/L	5.196	1.635	541.4
Na5895_R		19,150	ug/L	509.4	2.660	21,550
Ni2316_A		509.1	ug/L	5.199	1.021	878.8
Pb2203_A		104.8	ug/L	1.239	1.183	90.48
Sb2068_A		101.6	ug/L	3.638	3.579	30.70
Se1960_A		101.7	ug/L	3.036	2.986	17.12
Si2516_R		17,160	ug/L	456.3	2.660	4,919
Sn1899_A		541.3	ug/L	7.826	1.446	228.1
Sr4215_R		715.5	ug/L	19.40	2.711	26,220
Ti3349_A		533.6	ug/L	1.499	0.2810	12,450
Tl1908_A		105.8	ug/L	2.645	2.500	44.40
V_2924_A		503.8	ug/L	1.436	0.2850	6,296
Zn2062_A		515.2	ug/L	6.710	1.302	1,476
Y_3600_R		13,210	Cts/S	257.67	1.9506	13,210
Y_2243_A		6,916.2	Cts/S	57.380	0.82964	6,916.2
Y_3600_A		199,200	Cts/S	240.50	0.12073	199,200

SG4782-001S

Method Name: K6010-2011 Method Revision: 827

SG4782-001S

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:29:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.47	ug/L	4.004	7.633	819.9
Al3961_R		2,688	ug/L	284.3	10.58	1,291
As1891_A		103.8	ug/L	1.104	1.064	27.48
Au2427_A		1.047	ug/L	0.5095	48.68	2.471
B_2089_A		532.1	ug/L	6.590	1.238	444.5
Ba4554_R	W	1,942	ug/L	195.6	10.07	57,740
Be3130_R		49.74	ug/L	5.430	10.92	3,121
Ca3158_R	W	58,020	ug/L	5,756	9.921	43,640
Cd2265_A		257.6	ug/L	3.623	1.406	2,951
Co2286_A		518.6	ug/L	6.666	1.285	1,587
Cr2677_A		215.6	ug/L	17.90	8.305	2,668
Cu3273_A		270.9	ug/L	21.02	7.759	3,203
Fe2599_R		1,676	ug/L	179.9	10.73	2,001
K_7664_R		13,010	ug/L	1,282	9.857	5,663
Li6707_R		503.2	ug/L	49.29	9.795	3,525
Mg2025_A		23,600	ug/L	333.8	1.414	3,670
Mn2576_R		568.3	ug/L	62.50	11.00	3,374
Mo2020_A		319.1	ug/L	6.318	1.980	544.6
Na5895_R		18,560	ug/L	1,749	9.422	21,220
Ni2316_A		505.5	ug/L	5.871	1.161	874.3
Pb2203_A		104.0	ug/L	2.626	2.526	89.97
Sb2068_A		103.7	ug/L	1.469	1.417	31.40
Se1960_A		103.8	ug/L	2.180	2.100	17.50
Si2516_R		17,170	ug/L	1,695	9.868	5,004
Sn1899_A		543.2	ug/L	6.976	1.284	229.3
Sr4215_R		693.8	ug/L	71.41	10.29	25,830
Ti3349_A		563.5	ug/L	44.04	7.816	12,680
Tl1908_A		103.8	ug/L	3.453	3.328	43.61
V_2924_A		529.5	ug/L	41.82	7.898	6,386
Zn2062_A		515.8	ug/L	6.625	1.284	1,481
Y_3600_R		13,471	Cts/S	1,033.0	7.6683	13,471
Y_2243_A		6,930.5	Cts/S	66.953	0.96605	6,930.5
Y_3600_A		192,540	Cts/S	11,041	5.7343	192,540

SG4782-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:34:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6956	ug/L	0.2814	40.45	-26.78
Al3961_R		23.51	ug/L	6.474	27.54	5.651
As1891_A		-0.1442	ug/L	0.1399	96.99	-1.174
Au2427_A		0.7819	ug/L	1.435	183.5	4.660
B_2089_A		10.76	ug/L	0.5967	5.546	11.39
Ba4554_R		7.297	ug/L	0.2242	3.073	197.0
Be3130_R		0.004519	ug/L	0.1751	3,876	-18.99
Ca3158_R		11,160	ug/L	333.4	2.986	8,053
Cd2265_A		0.1211	ug/L	0.05259	43.43	2.062
Co2286_A		-0.06045	ug/L	0.3845	636.1	4.980
Cr2677_A		0.3946	ug/L	0.1195	30.27	10.83
Cu3273_A		-0.2281	ug/L	0.5888	258.1	34.97
Fe2599_R		3,540	ug/L	134.1	3.788	4,052
K_7664_R		2,698	ug/L	121.2	4.492	1,134
Li6707_R		11.42	ug/L	1.339	11.72	132.7
Mg2025_A		4,562	ug/L	7.083	0.1553	708.3
Mn2576_R		123.5	ug/L	5.149	4.168	703.8
Mo2020_A		2.601	ug/L	0.06684	2.570	4.602

SG4782-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:34:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	28,030	ug/L	926.3	3.305	30,840
Ni2316_A		0.3375	ug/L	0.1022	30.27	-0.1369
Pb2203_A		-0.8038	ug/L	1.753	218.1	0.01999
Sb2068_A		0.5148	ug/L	0.6466	125.6	1.414
Se1960_A		1.070	ug/L	6.135	573.5	0.8173
Si2516_R		11,220	ug/L	420.0	3.743	3,143
Sn1899_A		0.1619	ug/L	0.1226	75.70	0.4387
Sr4215_R		52.53	ug/L	1.969	3.748	1,852
Ti3349_A		1.112	ug/L	0.09741	8.760	5.097
Tl1908_A		1.412	ug/L	0.4154	29.41	0.7668
V_2924_A		0.1162	ug/L	0.2178	187.5	-5.525
Zn2062_A		1.814	ug/L	0.04483	2.472	6.761
Y_3600_R		12,895	Cts/S	288.96	2.2408	12,895
Y_2243_A		6,956.0	Cts/S	10.413	0.14970	6,956.0
Y_3600_A		202,180	Cts/S	514.13	0.25429	202,180

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:38:34PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	472.1	ug/L	1.270	0.2691	7,806
Al3961_R		11,940	ug/L	154.4	1.293	5,508
As1891_A		489.2	ug/L	2.439	0.4987	131.3
Au2427_A		498.1	ug/L	5.479	1.100	1,442
B_2089_A		501.0	ug/L	1.565	0.3124	420.6
Ba4554_R		487.0	ug/L	10.17	2.088	13,890
Be3130_R		485.4	ug/L	8.207	1.691	29,530
Ca3158_R		12,730	ug/L	366.4	2.877	9,184
Cd2265_A		516.4	ug/L	1.903	0.3685	5,851
Co2286_A		511.8	ug/L	2.249	0.4395	1,548
Cr2677_A		501.5	ug/L	1.302	0.2595	6,400
Cu3273_A		498.7	ug/L	1.963	0.3936	6,070
Fe2599_R		12,230	ug/L	229.7	1.878	13,980
K_7664_R		12,050	ug/L	399.2	3.313	5,036
Li6707_R		482.3	ug/L	10.57	2.190	3,246
Mg2025_A		13,060	ug/L	31.96	0.2447	2,017
Mn2576_R		500.0	ug/L	9.401	1.880	2,852
Mo2020_A		522.1	ug/L	3.145	0.6024	881.1
Na5895_R		11,960	ug/L	279.1	2.333	13,090
Ni2316_A		501.0	ug/L	1.370	0.2734	856.1
Pb2203_A		521.0	ug/L	2.677	0.5138	444.3
Sb2068_A		496.8	ug/L	1.350	0.2717	149.8
Se1960_A		495.7	ug/L	6.488	1.309	80.02
Si2516_R		12,560	ug/L	378.2	3.010	3,519
Sn1899_A		519.5	ug/L	0.8977	0.1728	216.8
Sr4215_R		478.3	ug/L	7.989	1.670	17,090
Ti3349_A		477.2	ug/L	2.261	0.4738	11,090
Tl1908_A		510.3	ug/L	2.275	0.4459	212.7
V_2924_A		482.0	ug/L	2.639	0.5475	5,958
Zn2062_A		504.3	ug/L	1.840	0.3648	1,430
Y_3600_R		12,890	Cts/S	274.92	2.1329	12,890
Y_2243_A		6,850.6	Cts/S	3.0711	0.044830	6,850.6
Y_3600_A		198,320	Cts/S	68.634	0.034608	198,320

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:42:55PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5003	ug/L	0.7845	156.8	-9.831
Al3961_R		-1.053	ug/L	27.35	2,597	-5.632
As1891_A		-1.296	ug/L	0.4937	38.10	-1.427
Au2427_A		-0.8894	ug/L	2.185	245.7	-2.071
B_2089_A		0.8640	ug/L	0.2312	26.76	3.332
Ba4554_R		0.6201	ug/L	0.2098	33.83	6.224
Be3130_R		0.06558	ug/L	0.09006	137.3	-15.21
Ca3158_R		9.995	ug/L	2.608	26.09	-8.410
Cd2265_A		0.03492	ug/L	0.01333	38.17	-0.4698
Co2286_A		0.1191	ug/L	0.06427	53.97	5.476
Cr2677_A		0.3140	ug/L	0.2369	75.45	9.625
Cu3273_A		-0.3609	ug/L	0.6016	166.7	33.86
Fe2599_R		6.746	ug/L	1.162	17.23	15.47
K_7664_R		-43.30	ug/L	62.02	143.2	-9.550
Li6707_R		2.730	ug/L	2.903	106.4	74.37
Mg2025_A		3.241	ug/L	1.305	40.27	-0.1021
Mn2576_R		0.4012	ug/L	0.4465	111.3	0.7153
Mo2020_A		2.090	ug/L	0.7147	34.19	3.758
Na5895_R		17.12	ug/L	4.271	24.95	-96.64
Ni2316_A		0.1250	ug/L	0.1820	145.6	-0.2094
Pb2203_A		-0.07035	ug/L	0.2429	345.3	0.5942
Sb2068_A		-0.6426	ug/L	0.2751	42.81	1.051
Se1960_A		0.7931	ug/L	2.773	349.6	0.7599
Si2516_R		16.66	ug/L	6.062	36.38	15.17
Sn1899_A		0.3379	ug/L	0.5997	177.5	0.5174
Sr4215_R		-0.09304	ug/L	0.09602	103.2	-31.21
Ti3349_A		0.6336	ug/L	0.2574	40.63	-6.338
Tl1908_A		0.6884	ug/L	0.1966	28.56	0.5590
V_2924_A		0.04752	ug/L	0.5446	1,146	-2.689
Zn2062_A		0.2199	ug/L	0.09323	42.40	2.192
Y_3600_R		12,743	Cts/S	93.637	0.73483	12,743
Y_2243_A		7,018.2	Cts/S	18.746	0.26711	7,018.2
Y_3600_A		204,090	Cts/S	1,821.9	0.89269	204,090

SG4782-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:47:28PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4524	ug/L	0.09639	21.30	-12.89
Al3961_R		262.4	ug/L	13.99	5.333	115.3
As1891_A		-0.7480	ug/L	1.679	224.5	-1.292
Au2427_A		0.3209	ug/L	0.0002961	0.09229	1.586
B_2089_A		6.908	ug/L	0.1361	1.970	8.502
Ba4554_R		3.871	ug/L	0.1731	4.472	98.63
Be3130_R		0.04207	ug/L	0.03215	76.42	-16.85
Ca3158_R		8,941	ug/L	130.7	1.462	6,414
Cd2265_A		0.2254	ug/L	0.01583	7.021	1.926
Co2286_A		0.03376	ug/L	0.1554	460.3	5.277
Cr2677_A		0.2336	ug/L	0.2762	118.2	8.559
Cu3273_A		1.137	ug/L	1.042	91.61	51.92
Fe2599_R		400.6	ug/L	3.543	0.8844	463.2
K_7664_R		1,485	ug/L	54.90	3.696	625.3
Li6707_R		7.590	ug/L	0.6116	8.059	106.9
Mg2025_A		1,637	ug/L	33.63	2.055	257.4
Mn2576_R		49.11	ug/L	0.3933	0.8009	277.4
Mo2020_A		6.896	ug/L	0.2334	3.385	12.13

SG4782-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:47:28PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		13,030	ug/L	168.7	1.294	14,210
Ni2316_A		0.5177	ug/L	0.1119	21.61	0.4591
Pb2203_A		0.6958	ug/L	0.5756	82.73	1.247
Sb2068_A		0.8956	ug/L	0.3508	39.17	1.531
Se1960_A		0.3252	ug/L	3.012	926.4	0.6974
Si2516_R		10,330	ug/L	144.0	1.394	2,880
Sn1899_A		0.8057	ug/L	0.6546	81.25	0.7198
Sr4215_R		30.17	ug/L	0.1943	0.6440	1,047
Ti3349_A		4.220	ug/L	0.3617	8.570	78.82
Tl1908_A		0.3904	ug/L	0.3242	83.05	0.3974
V_2924_A		0.9716	ug/L	0.3888	40.02	7.134
Zn2062_A		35.91	ug/L	0.8235	2.293	106.5
Y_3600_R		12,824	Cts/S	147.34	1.1489	12,824
Y_2243_A		7,058.3	Cts/S	88.239	1.2501	7,058.3
Y_3600_A		202,020	Cts/S	851.50	0.42148	202,020

SG4782-004

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:51:59PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.7814	ug/L	0.1069	13.68	-55.38
Al3961_R		154.1	ug/L	2.518	1.634	66.42
As1891_A		-2.406	ug/L	0.7091	29.47	-1.941
Au2427_A		-0.9631	ug/L	0.1431	14.86	2.847
B_2089_A		2.505	ug/L	0.1993	7.957	4.737
Ba4554_R		3.294	ug/L	0.1840	5.584	83.47
Be3130_R		-0.01855	ug/L	0.04671	251.8	-20.71
Ca3158_R		8,685	ug/L	186.9	2.152	6,312
Cd2265_A		0.1284	ug/L	0.05517	42.98	4.447
Co2286_A		0.06501	ug/L	0.1431	220.1	5.612
Cr2677_A		0.2094	ug/L	0.3906	186.5	8.678
Cu3273_A		0.3200	ug/L	0.4001	125.0	41.95
Fe2599_R		8,646	ug/L	223.1	2.580	9,964
K_7664_R		1,026	ug/L	8.371	0.8162	440.0
Li6707_R		2.350	ug/L	2.699	114.9	73.18
Mg2025_A		1,491	ug/L	11.39	0.7637	235.5
Mn2576_R		144.9	ug/L	3.820	2.636	832.7
Mo2020_A		2.454	ug/L	0.1086	4.425	4.429
Na5895_R		5,927	ug/L	115.7	1.952	6,481
Ni2316_A		0.5988	ug/L	0.2693	44.97	-0.1175
Pb2203_A		0.2462	ug/L	0.3181	129.2	1.037
Sb2068_A		0.7280	ug/L	1.630	224.0	1.537
Se1960_A		-1.655	ug/L	0.8901	53.79	0.3911
Si2516_R		9,544	ug/L	246.2	2.580	2,697
Sn1899_A		0.04740	ug/L	0.05417	114.3	0.3974
Sr4215_R		30.38	ug/L	0.2976	0.9797	1,068
Ti3349_A		1.538	ug/L	0.1038	6.754	15.40
Tl1908_A		-0.1408	ug/L	0.4334	307.7	0.08967
V_2924_A		0.7561	ug/L	0.3434	45.41	2.467
Zn2062_A		14.22	ug/L	0.04413	0.3104	43.26
Y_3600_R		12,998	Cts/S	311.97	2.4001	12,998
Y_2243_A		7,084.5	Cts/S	37.154	0.52445	7,084.5
Y_3600_A		204,820	Cts/S	1,164.9	0.56873	204,820

SG4782-005

Method Name: K6010-2011 Method Revision: 827

SG4782-005

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 9:56:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4770	ug/L	0.4000	83.85	-51.45
Al3961_R		134.5	ug/L	8.977	6.672	57.76
As1891_A		4.994	ug/L	1.413	28.30	0.1587
Au2427_A		0.5749	ug/L	0.5149	89.56	4.831
B_2089_A		13.23	ug/L	0.03763	0.2844	13.29
Ba4554_R		29.81	ug/L	0.6030	2.023	853.1
Be3130_R		0.02572	ug/L	0.03400	132.2	-18.12
Ca3158_R	W	71,160	ug/L	746.0	1.048	52,210
Cd2265_A		0.2682	ug/L	0.03944	14.71	5.339
Co2286_A		0.9277	ug/L	0.1370	14.77	8.050
Cr2677_A		0.9722	ug/L	0.1526	15.70	18.83
Cu3273_A		3.078	ug/L	0.2020	6.562	74.84
Fe2599_R		7,277	ug/L	176.2	2.421	8,449
K_7664_R		4,084	ug/L	112.7	2.761	1,739
Li6707_R		12.40	ug/L	0.6316	5.093	141.4
Mg2025_A		12,670	ug/L	205.7	1.623	1,954
Mn2576_R		534.7	ug/L	7.705	1.441	3,099
Mo2020_A		2.456	ug/L	0.005968	0.2430	4.320
Na5895_R		12,570	ug/L	146.9	1.169	13,980
Ni2316_A		2.723	ug/L	0.4110	15.09	3.656
Pb2203_A		0.9551	ug/L	0.1730	18.11	1.596
Sb2068_A		-0.4320	ug/L	0.2486	57.55	1.137
Se1960_A		0.2860	ug/L	0.6266	219.1	0.7397
Si2516_R		11,590	ug/L	184.0	1.588	3,296
Sn1899_A		1.526	ug/L	0.8198	53.71	1.010
Sr4215_R		234.5	ug/L	4.618	1.970	8,496
Ti3349_A		2.714	ug/L	0.06953	2.562	42.69
Tl1908_A		-0.8667	ug/L	0.2197	25.34	-0.4951
V_2924_A		1.319	ug/L	0.1406	10.66	-2.994
Zn2062_A		9.305	ug/L	0.1959	2.105	28.11
Y_3600_R		13,089	Cts/S	0.15982	0.0012210	13,089
Y_2243_A		6,901.8	Cts/S	64.698	0.93742	6,901.8
Y_3600_A		200,240	Cts/S	2,061.8	1.0296	200,240

SG4782-006

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:01:00PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1340	ug/L	0.4811	359.2	-20.61
Al3961_R		1.907	ug/L	14.76	773.9	-4.398
As1891_A		-2.394	ug/L	0.7723	32.27	-1.755
Au2427_A		-0.8702	ug/L	0.08126	9.338	-1.573
B_2089_A		6.276	ug/L	0.01525	0.2429	7.783
Ba4554_R		1.378	ug/L	0.6251	45.35	28.28
Be3130_R		-0.01569	ug/L	0.04230	269.6	-20.60
Ca3158_R		1,995	ug/L	31.01	1.555	1,446
Cd2265_A		0.02451	ug/L	0.02112	86.15	-0.2386
Co2286_A		-0.09163	ug/L	0.02906	31.71	4.862
Cr2677_A		0.1337	ug/L	0.2343	175.3	7.213
Cu3273_A		18.63	ug/L	0.4855	2.605	267.7
Fe2599_R		810.6	ug/L	14.08	1.737	947.0
K_7664_R		1,742	ug/L	63.14	3.625	745.6
Li6707_R		3.026	ug/L	2.394	79.10	78.27
Mg2025_A		706.1	ug/L	6.574	0.9309	110.4
Mn2576_R		23.22	ug/L	0.4748	2.045	132.9
Mo2020_A		1.332	ug/L	0.1593	11.96	2.457

SG4782-006

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:01:00PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		20,940	ug/L	291.0	1.390	23,340
Ni2316_A		-0.01213	ug/L	0.2441	2,013	-0.5215
Pb2203_A		0.5601	ug/L	0.4370	78.02	1.164
Sb2068_A		-0.2357	ug/L	0.9424	399.7	1.185
Se1960_A		0.9776	ug/L	2.292	234.5	0.7973
Si2516_R		11,590	ug/L	162.0	1.398	3,292
Sn1899_A		-0.07505	ug/L	0.4798	639.3	0.3424
Sr4215_R		8.227	ug/L	0.01694	0.2059	270.1
Ti3349_A		0.3399	ug/L	0.4110	120.9	-13.20
Tl1908_A		0.4303	ug/L	0.4955	115.1	0.4311
V_2924_A		0.05714	ug/L	0.7632	1,336	-3.143
Zn2062_A		10.58	ug/L	0.07517	0.7103	32.40
Y_3600_R		13,072	Cts/S	135.65	1.0377	13,072
Y_2243_A		7,040.0	Cts/S	9.8705	0.14021	7,040.0
Y_3600_A		201,690	Cts/S	187.92	0.093170	201,690

SG4782-007

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:05:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.7653	ug/L	0.6786	88.68	-42.83
Al3961_R		376.5	ug/L	17.93	4.763	166.4
As1891_A		29.98	ug/L	1.536	5.122	6.583
Au2427_A		4.894	ug/L	2.324	47.49	7.952
B_2089_A	W	2,124	ug/L	20.52	0.9663	1,624
Ba4554_R		84.16	ug/L	3.842	4.565	2,363
Be3130_R		0.05886	ug/L	0.04992	84.82	-16.21
Ca3158_R	W	158,500	ug/L	5,715	3.605	113,200
Cd2265_A		0.2086	ug/L	0.07766	37.24	4.350
Co2286_A		15.83	ug/L	0.3519	2.223	50.41
Cr2677_A		14.16	ug/L	0.1539	1.087	174.8
Cu3273_A		10.86	ug/L	0.5722	5.269	154.5
Fe2599_R		7,336	ug/L	235.8	3.214	8,287
K_7664_R	W	111,600	ug/L	4,132	3.704	46,010
Li6707_R		14.36	ug/L	2.253	15.70	150.1
Mg2025_A	W	40,260	ug/L	358.4	0.8902	5,861
Mn2576_R	W	2,853	ug/L	93.42	3.275	16,090
Mo2020_A		1.938	ug/L	0.08612	4.444	3.246
Na5895_R	F	279,300	ug/L	11,640	4.166	304,600
Ni2316_A		101.7	ug/L	1.838	1.806	164.5
Pb2203_A		0.1491	ug/L	0.1095	73.40	0.8381
Sb2068_A		1.539	ug/L	0.4124	26.80	1.654
Se1960_A		4.650	ug/L	0.8911	19.16	1.635
Si2516_R		8,706	ug/L	277.6	3.189	2,412
Sn1899_A		0.08761	ug/L	0.5546	633.0	0.3824
Sr4215_R		792.8	ug/L	25.51	3.218	28,020
Ti3349_A		19.96	ug/L	0.9737	4.878	407.9
Tl1908_A		2.249	ug/L	1.373	61.06	-0.7891
V_2924_A		10.87	ug/L	0.9712	8.934	39.93
Zn2062_A		18.48	ug/L	0.08596	0.4652	51.25
Y_3600_R		12,746	Cts/S	626.87	4.9182	12,746
Y_2243_A		6,517.6	Cts/S	49.136	0.75389	6,517.6
Y_3600_A		182,430	Cts/S	1,653.3	0.90626	182,430

SG4791-001

Method Name: K6010-2011 Method Revision: 827

SG4791-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:10:05PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2773	ug/L	0.006652	2.399	-34.93
Al3961_R		410.8	ug/L	19.00	4.624	167.6
As1891_A		12.60	ug/L	2.157	17.11	1.845
Au2427_A		-2.988	ug/L	0.6422	21.49	-7.143
B_2089_A		562.8	ug/L	0.6667	0.1185	372.1
Ba4554_R	W	2,366	ug/L	15.07	0.6367	61,400
Be3130_R		-0.1131	ug/L	0.04861	42.99	-24.33
Ca3158_R	F	1,716,000	ug/L	22,580	1.316	1,127,000
Cd2265_A		0.4250	ug/L	0.01170	2.753	5.190
Co2286_A		0.5128	ug/L	0.6182	120.6	5.563
Cr2677_A		2.908	ug/L	0.3522	12.11	34.45
Cu3273_A		35.40	ug/L	0.1059	0.2991	364.0
Fe2599_R		5,551	ug/L	47.78	0.8607	5,769
K_7664_R	F	647,700	ug/L	31,880	4.921	245,700
Li6707_R		193.3	ug/L	6.180	3.197	1,214
Mg2025_A		18,960	ug/L	79.59	0.4198	2,375
Mn2576_R	W	1,094	ug/L	7.340	0.6710	5,672
Mo2020_A		11.33	ug/L	0.4531	4.000	15.76
Na5895_R	F	594,400	ug/L	40,240	6.771	596,400
Ni2316_A		10.23	ug/L	0.5000	4.889	13.61
Pb2203_A	F	-5.419	ug/L	0.5451	10.06	-3.230
Sb2068_A		4.884	ug/L	0.6429	13.16	2.215
Se1960_A		15.49	ug/L	3.014	19.46	2.647
Si2516_R		5,507	ug/L	1.418	0.02576	1,406
Sn1899_A		2.545	ug/L	0.3010	11.83	1.166
Sr4215_R	W	11,510	ug/L	220.1	1.911	374,400
Ti3349_A		15.63	ug/L	0.4586	2.935	267.9
Tl1908_A		2.445	ug/L	0.5550	22.70	0.3981
V_2924_A		3.812	ug/L	0.4828	12.66	7.551
Zn2062_A		50.70	ug/L	0.1426	0.2813	118.9
Y_3600_R		11,711	Cts/S	37.556	0.32068	11,711
Y_2243_A		5,608.1	Cts/S	26.183	0.46688	5,608.1
Y_3600_A		154,980	Cts/S	167.83	0.10829	154,980

SG4808-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:14:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.7774	ug/L	0.3263	41.97	-5.682
Al3961_R		30.24	ug/L	26.69	88.28	12.18
As1891_A		-1.755	ug/L	1.951	111.2	-1.473
Au2427_A		-0.4679	ug/L	1.682	359.4	-0.7228
B_2089_A		21.03	ug/L	0.2318	1.102	25.23
Ba4554_R		5.207	ug/L	0.3182	6.112	136.0
Be3130_R		-0.01826	ug/L	0.03497	191.5	-20.22
Ca3158_R		23,390	ug/L	581.4	2.485	16,730
Cd2265_A		-0.005215	ug/L	0.08011	1,536	-0.8812
Co2286_A		-0.06087	ug/L	0.01657	27.22	4.906
Cr2677_A		1.494	ug/L	0.2217	14.84	24.80
Cu3273_A		415.0	ug/L	0.5264	0.1268	5,156
Fe2599_R		115.4	ug/L	4.989	4.323	138.4
K_7664_R		2,755	ug/L	32.38	1.176	1,147
Li6707_R		14.82	ug/L	0.9469	6.390	153.8
Mg2025_A		5,350	ug/L	74.29	1.389	836.6
Mn2576_R		1.765	ug/L	0.09970	5.648	8.446
Mo2020_A		173.6	ug/L	1.437	0.8280	299.3

SG4808-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:14:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		9,336	ug/L	216.8	2.322	10,100
Ni2316_A		0.6912	ug/L	0.01789	2.588	1.131
Pb2203_A		23.94	ug/L	0.2784	1.163	21.32
Sb2068_A		-0.8347	ug/L	0.9788	117.3	0.8569
Se1960_A		203.2	ug/L	4.732	2.329	33.85
Si2516_R		7,634	ug/L	133.4	1.748	2,122
Sn1899_A		20.37	ug/L	0.5578	2.739	9.045
Sr4215_R		97.72	ug/L	2.405	2.461	3,437
Ti3349_A		-0.08195	ug/L	0.02053	25.05	-21.24
Tl1908_A		0.3243	ug/L	1.669	514.6	0.3658
V_2924_A		0.6703	ug/L	0.3539	52.79	-13.37
Zn2062_A		164.8	ug/L	2.430	1.474	479.1
Y_3600_R		12,766	Cts/S	45.792	0.35870	12,766
Y_2243_A		6,999.1	Cts/S	76.925	1.0991	6,999.1
Y_3600_A		201,750	Cts/S	87.737	0.043489	201,750

SG4825-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:19:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5564	ug/L	0.4221	75.86	-14.79
Al3961_R		161.3	ug/L	8.044	4.987	68.43
As1891_A		3.354	ug/L	0.2821	8.411	-0.1562
Au2427_A		2.277	ug/L	1.513	66.42	1.649
B_2089_A		28.70	ug/L	0.3838	1.337	24.98
Ba4554_R		14.56	ug/L	0.1195	0.8206	399.7
Be3130_R		-0.04784	ug/L	0.02095	43.80	-22.00
Ca3158_R	W	170,600	ug/L	3,683	2.158	121,800
Cd2265_A		-0.03733	ug/L	0.001692	4.532	-0.7635
Co2286_A		6.154	ug/L	0.09923	1.612	22.97
Cr2677_A		1.266	ug/L	0.1895	14.97	22.82
Cu3273_A		4.013	ug/L	0.3117	7.766	82.23
Fe2599_R		1,220	ug/L	26.26	2.153	1,384
K_7664_R		5,213	ug/L	105.0	2.014	2,158
Li6707_R		24.67	ug/L	2.273	9.212	217.6
Mg2025_A	W	34,350	ug/L	252.3	0.7347	5,125
Mn2576_R	W	1,609	ug/L	37.69	2.343	9,070
Mo2020_A		2.861	ug/L	0.08798	3.075	4.846
Na5895_R		20,000	ug/L	524.0	2.621	21,700
Ni2316_A		31.74	ug/L	0.2052	0.6464	52.41
Pb2203_A		-1.541	ug/L	0.9998	64.86	-0.6543
Sb2068_A		-1.383	ug/L	0.9392	67.91	0.7790
Se1960_A		2.016	ug/L	2.837	140.7	1.107
Si2516_R		12,870	ug/L	302.4	2.349	3,561
Sn1899_A		1.378	ug/L	0.4427	32.11	0.9160
Sr4215_R		609.2	ug/L	13.04	2.141	21,520
Ti3349_A		2.738	ug/L	0.06424	2.347	41.06
Tl1908_A		2.388	ug/L	0.9152	38.33	0.1145
V_2924_A		4.520	ug/L	0.1120	2.478	2.731
Zn2062_A		108.2	ug/L	0.8305	0.7677	300.6
Y_3600_R		12,737	Cts/S	279.81	2.1969	12,737
Y_2243_A		6,679.0	Cts/S	40.340	0.60398	6,679.0
Y_3600_A		190,030	Cts/S	4,704.7	2.4757	190,030

SG4825-002

Method Name: K6010-2011 Method Revision: 827

SG4825-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:23:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.606	ug/L	0.07212	4.492	-9.881
Al3961_R		2,804	ug/L	34.21	1.220	1,252
As1891_A		2.708	ug/L	0.7766	28.68	-0.3811
Au2427_A		13.09	ug/L	1.065	8.135	15.25
B_2089_A		20.98	ug/L	0.5704	2.718	19.20
Ba4554_R		35.84	ug/L	0.4002	1.117	984.1
Be3130_R		0.07436	ug/L	0.01136	15.27	-20.16
Ca3158_R	W	169,000	ug/L	2,780	1.645	118,700
Cd2265_A		0.2203	ug/L	0.03854	17.50	3.133
Co2286_A		6.117	ug/L	0.04999	0.8172	24.38
Cr2677_A		6.653	ug/L	0.3331	5.006	97.11
Cu3273_A		7.368	ug/L	0.6577	8.926	119.0
Fe2599_R		3,196	ug/L	40.96	1.282	3,557
K_7664_R		3,611	ug/L	16.25	0.4501	1,473
Li6707_R		12.50	ug/L	1.354	10.83	136.0
Mg2025_A	W	34,650	ug/L	140.9	0.4065	5,267
Mn2576_R	W	6,471	ug/L	87.55	1.353	35,910
Mo2020_A		-0.1667	ug/L	0.3504	210.2	-0.1411
Na5895_R		19,120	ug/L	355.0	1.856	20,420
Ni2316_A		10.91	ug/L	0.7141	6.544	17.85
Pb2203_A		0.6869	ug/L	0.9808	142.8	0.9797
Sb2068_A		-0.3385	ug/L	1.131	334.1	1.160
Se1960_A		0.7629	ug/L	1.756	230.2	1.526
Si2516_R		15,470	ug/L	181.1	1.171	4,210
Sn1899_A		-0.05288	ug/L	0.5920	1,119	0.3399
Sr4215_R		951.3	ug/L	13.67	1.437	33,080
Ti3349_A		152.6	ug/L	0.2094	0.1372	3,448
Tl1908_A		1.315	ug/L	1.511	114.9	-3.818
V_2924_A		18.82	ug/L	0.2423	1.287	30.13
Zn2062_A		34.12	ug/L	0.3339	0.9786	97.60
Y_3600_R		12,532	Cts/S	125.79	1.0037	12,532
Y_2243_A		6,805.4	Cts/S	24.531	0.36047	6,805.4
Y_3600_A		193,740	Cts/S	870.20	0.44916	193,740

SG4825-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:28:17PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.987	ug/L	0.06032	3.035	3.061
Al3961_R		1,636	ug/L	80.26	4.906	735.6
As1891_A		4.290	ug/L	1.637	38.16	0.06501
Au2427_A		11.11	ug/L	2.065	18.59	8.560
B_2089_A		21.38	ug/L	1.612	7.539	19.24
Ba4554_R		31.49	ug/L	0.8642	2.744	872.1
Be3130_R		0.06782	ug/L	0.2426	357.8	-17.51
Ca3158_R	W	170,000	ug/L	5,530	3.253	120,600
Cd2265_A		0.1535	ug/L	0.02128	13.86	1.796
Co2286_A		5.908	ug/L	0.1024	1.733	22.87
Cr2677_A		4.298	ug/L	0.1670	3.886	67.53
Cu3273_A		5.765	ug/L	0.2148	3.726	102.1
Fe2599_R		2,066	ug/L	77.43	3.747	2,326
K_7664_R		3,422	ug/L	96.52	2.821	1,411
Li6707_R		9.876	ug/L	3.122	31.61	120.2
Mg2025_A	W	35,760	ug/L	802.5	2.244	5,361
Mn2576_R	W	6,496	ug/L	232.7	3.582	36,410
Mo2020_A		-0.3112	ug/L	0.4039	129.8	-0.3854

SG4825-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:28:17PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		19,450	ug/L	590.6	3.036	20,980
Ni2316_A		9.663	ug/L	0.4045	4.186	15.60
Pb2203_A		0.3646	ug/L	2.646	725.6	0.7758
Sb2068_A		-2.770	ug/L	0.2325	8.393	0.4135
Se1960_A		-1.628	ug/L	0.05279	3.242	1.132
Si2516_R		10,980	ug/L	437.0	3.980	3,021
Sn1899_A		-0.2726	ug/L	0.6676	244.9	0.2487
Sr4215_R		959.4	ug/L	36.74	3.829	33,700
Ti3349_A		75.37	ug/L	0.02446	0.03245	1,687
Tl1908_A		2.163	ug/L	0.7443	34.42	-3.404
V_2924_A		16.52	ug/L	0.7549	4.569	0.5047
Zn2062_A		30.27	ug/L	0.8050	2.659	85.57
Y_3600_R		12,662	Cts/S	219.04	1.7299	12,662
Y_2243_A		6,712.3	Cts/S	132.87	1.9795	6,712.3
Y_3600_A		193,050	Cts/S	523.40	0.27112	193,050

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:32:44PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	470.0	ug/L	1.240	0.2638	7,787
Al3961_R		12,150	ug/L	260.6	2.145	5,484
As1891_A		492.7	ug/L	6.965	1.414	131.9
Au2427_A		499.1	ug/L	4.837	0.9691	1,440
B_2089_A		500.8	ug/L	2.936	0.5863	419.1
Ba4554_R		496.7	ug/L	8.448	1.701	13,860
Be3130_R		491.0	ug/L	6.761	1.377	29,220
Ca3158_R		12,920	ug/L	192.7	1.492	9,115
Cd2265_A		517.4	ug/L	4.642	0.8971	5,844
Co2286_A		512.5	ug/L	4.309	0.8407	1,545
Cr2677_A		497.6	ug/L	2.628	0.5280	6,362
Cu3273_A		495.5	ug/L	0.4887	0.09865	6,043
Fe2599_R		12,230	ug/L	212.4	1.737	13,670
K_7664_R		12,320	ug/L	143.4	1.164	5,037
Li6707_R		491.7	ug/L	10.62	2.160	3,236
Mg2025_A		13,090	ug/L	129.7	0.9908	2,014
Mn2576_R		500.2	ug/L	6.497	1.299	2,792
Mo2020_A		521.6	ug/L	6.617	1.268	877.4
Na5895_R		11,990	ug/L	181.1	1.510	12,840
Ni2316_A		501.4	ug/L	4.178	0.8334	854.0
Pb2203_A		522.2	ug/L	4.530	0.8675	443.9
Sb2068_A		498.4	ug/L	4.643	0.9315	149.7
Se1960_A		495.8	ug/L	8.874	1.790	79.78
Si2516_R		12,630	ug/L	207.6	1.643	3,461
Sn1899_A		520.4	ug/L	5.850	1.124	216.5
Sr4215_R		485.3	ug/L	8.594	1.771	16,970
Ti3349_A		475.3	ug/L	0.6724	0.1415	11,070
Tl1908_A		510.5	ug/L	4.244	0.8313	212.1
V_2924_A		479.8	ug/L	0.3575	0.07451	5,943
Zn2062_A		505.0	ug/L	4.016	0.7953	1,427
Y_3600_R		12,608	Cts/S	214.97	1.7051	12,608
Y_2243_A		6,828.8	Cts/S	38.143	0.55856	6,828.8
Y_3600_A		198,710	Cts/S	386.20	0.19436	198,710

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:37:04PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2144	ug/L	0.05666	26.43	-22.16
Al3961_R		-6.048	ug/L	15.13	250.1	-7.694
As1891_A		0.1673	ug/L	1.379	824.3	-1.020
Au2427_A		-0.01425	ug/L	0.5978	4,195	0.5249
B_2089_A		1.438	ug/L	0.2180	15.16	3.784
Ba4554_R		0.5734	ug/L	0.3488	60.82	4.795
Be3130_R		0.1406	ug/L	0.04470	31.81	-10.43
Ca3158_R		-0.5872	ug/L	4.239	721.9	-15.65
Cd2265_A		0.03977	ug/L	0.02886	72.56	-0.4138
Co2286_A		0.09632	ug/L	0.1648	171.1	5.396
Cr2677_A		0.2852	ug/L	0.3895	136.6	9.215
Cu3273_A		-0.4535	ug/L	0.4258	93.90	32.71
Fe2599_R		7.651	ug/L	0.5130	6.705	16.17
K_7664_R		-36.24	ug/L	35.09	96.81	-6.658
Li6707_R		5.839	ug/L	2.015	34.52	92.97
Mg2025_A		0.3802	ug/L	2.197	577.8	-0.5540
Mn2576_R		0.2269	ug/L	0.3509	154.6	-0.2464
Mo2020_A		1.533	ug/L	0.1741	11.36	2.793
Na5895_R		-12.26	ug/L	16.30	133.0	-126.3
Ni2316_A		0.1696	ug/L	0.2896	170.7	-0.1311
Pb2203_A		0.6393	ug/L	0.6418	100.4	1.214
Sb2068_A		1.759	ug/L	0.1896	10.78	1.785
Se1960_A		-0.4536	ug/L	1.565	345.1	0.5549
Si2516_R		38.55	ug/L	2.400	6.225	20.80
Sn1899_A		0.1852	ug/L	1.218	657.7	0.4512
Sr4215_R		-0.1765	ug/L	0.06469	36.65	-33.52
Ti3349_A		0.03535	ug/L	0.4789	1,355	-20.61
Tl1908_A		1.397	ug/L	0.9136	65.40	0.8602
V_2924_A		0.02272	ug/L	0.009713	42.75	-2.973
Zn2062_A		0.1360	ug/L	0.01451	10.66	1.946
Y_3600_R		12,493	Cts/S	99.466	0.79614	12,493
Y_2243_A		7,010.3	Cts/S	24.343	0.34724	7,010.3
Y_3600_A		203,740	Cts/S	211.78	0.10394	203,740

SG4834-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:41:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3439	ug/L	0.07568	22.01	-12.67
Al3961_R		24,710	ug/L	196.0	0.7933	11,310
As1891_A		0.4999	ug/L	1.446	289.2	-0.9761
Au2427_A		-0.8682	ug/L	1.674	192.8	-2.210
B_2089_A		2.868	ug/L	0.7141	24.90	4.889
Ba4554_R		3.304	ug/L	0.07988	2.418	82.45
Be3130_R		-0.04780	ug/L	0.007179	15.02	-22.09
Ca3158_R		1,659	ug/L	15.04	0.9062	1,176
Cd2265_A		0.04394	ug/L	0.03887	88.47	-0.3567
Co2286_A		0.08904	ug/L	0.2684	301.5	5.336
Cr2677_A		3.145	ug/L	0.2618	8.325	46.66
Cu3273_A		72.69	ug/L	0.8556	1.177	944.9
Fe2599_R		31.54	ug/L	1.229	3.898	43.68
K_7664_R		526.7	ug/L	5.536	1.051	226.7
Li6707_R		4.792	ug/L	1.542	32.17	88.39
Mg2025_A		894.2	ug/L	16.85	1.884	138.3
Mn2576_R		73.75	ug/L	0.6054	0.8209	416.8
Mo2020_A		0.4850	ug/L	0.1206	24.88	0.9749

SG4834-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:41:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	35,470	ug/L	185.5	0.5230	38,800
Ni2316_A		2.362	ug/L	0.07443	3.152	3.668
Pb2203_A		-1.073	ug/L	0.5129	47.79	-3.137
Sb2068_A		1.242	ug/L	1.134	91.32	1.769
Se1960_A		1.906	ug/L	2.908	152.6	0.9509
Si2516_R		158.6	ug/L	8.328	5.251	54.62
Sn1899_A		0.7805	ug/L	1.936	248.0	0.7059
Sr4215_R		4.807	ug/L	0.08076	1.680	142.9
Ti3349_A		0.06280	ug/L	0.2085	332.1	-19.90
Tl1908_A		-2.208	ug/L	0.3841	17.40	-0.6359
V_2924_A		0.3049	ug/L	0.3036	99.57	-1.768
Zn2062_A		38.95	ug/L	0.7248	1.861	113.6
Y_3600_R		12,807	Cts/S	47.319	0.36947	12,807
Y_2243_A		6,953.4	Cts/S	97.760	1.4059	6,953.4
Y_3600_A		203,240	Cts/S	325.02	0.15992	203,240

SG4652-002R

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:46:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.055	ug/L	0.3051	28.93	-0.4875
Al3961_R		144.9	ug/L	4.490	3.100	60.21
As1891_A		-0.9645	ug/L	2.199	228.0	-1.351
Au2427_A		0.3988	ug/L	0.2168	54.35	1.711
B_2089_A		2.529	ug/L	0.1744	6.894	4.695
Ba4554_R		6.829	ug/L	0.1603	2.347	179.6
Be3130_R		0.1383	ug/L	0.005402	3.907	-10.68
Ca3158_R		798.0	ug/L	9.543	1.196	548.4
Cd2265_A		0.03451	ug/L	0.06316	183.1	-0.4706
Co2286_A		0.4494	ug/L	0.2049	45.59	6.565
Cr2677_A		0.4145	ug/L	0.2729	65.84	11.10
Cu3273_A		2.014	ug/L	0.2718	13.49	64.39
Fe2599_R		29.43	ug/L	0.1511	0.5135	40.63
K_7664_R		263.6	ug/L	6.551	2.485	115.7
Li6707_R		1.470	ug/L	2.684	182.5	65.51
Mg2025_A		760.2	ug/L	2.525	0.3322	119.9
Mn2576_R		16.65	ug/L	0.5849	3.513	91.39
Mo2020_A		0.2036	ug/L	0.1660	81.54	0.5046
Na5895_R		2,398	ug/L	9.843	0.4105	2,475
Ni2316_A		1.603	ug/L	0.2913	18.17	2.400
Pb2203_A		-0.8317	ug/L	1.496	179.9	-0.08700
Sb2068_A		-0.01292	ug/L	0.4839	3,746	1.257
Se1960_A		-1.213	ug/L	1.114	91.85	0.4387
Si2516_R		3,529	ug/L	27.25	0.7721	973.7
Sn1899_A		1.083	ug/L	0.8073	74.51	0.8450
Sr4215_R		8.520	ug/L	0.07480	0.8780	270.6
Ti3349_A		0.2638	ug/L	0.5673	215.0	-15.40
Tl1908_A		0.06635	ug/L	0.6761	1,019	0.2859
V_2924_A		-0.1129	ug/L	0.04844	42.92	-5.191
Zn2062_A		9.163	ug/L	0.08292	0.9050	28.49
Y_3600_R		12,601	Cts/S	54.348	0.43129	12,601
Y_2243_A		7,096.7	Cts/S	15.991	0.22533	7,096.7
Y_3600_A		206,760	Cts/S	505.60	0.24453	206,760

PBSGG12ICS1

Method Name: K6010-2011 Method Revision: 827

PBSGG12ICS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:50:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5416	ug/L	0.5877	108.5	-9.808
Al3961_R		5.054	ug/L	7.528	148.9	-2.925
As1891_A		-1.656	ug/L	0.4314	26.04	-1.546
Au2427_A		-0.7902	ug/L	0.8673	109.8	-1.785
B_2089_A		0.5525	ug/L	0.007411	1.342	3.058
Ba4554_R		1.426	ug/L	0.5464	38.31	27.55
Be3130_R		-0.01194	ug/L	0.1006	842.8	-19.62
Ca3158_R		93.64	ug/L	5.100	5.447	49.87
Cd2265_A		-0.01226	ug/L	0.004107	33.49	-1.022
Co2286_A		-0.1298	ug/L	0.05940	45.76	4.762
Cr2677_A		0.3640	ug/L	0.005980	1.643	10.72
Cu3273_A		0.5087	ug/L	0.7554	148.5	46.60
Fe2599_R		22.56	ug/L	0.4043	1.792	32.50
K_7664_R		10.60	ug/L	27.56	260.1	11.75
Li6707_R		-0.4024	ug/L	3.109	772.7	51.64
Mg2025_A		32.27	ug/L	1.077	3.337	4.484
Mn2576_R		0.8474	ug/L	0.07515	8.868	3.181
Mo2020_A		0.3968	ug/L	0.01403	3.536	0.8420
Na5895_R		37.49	ug/L	6.222	16.60	-72.22
Ni2316_A		0.7483	ug/L	0.05451	7.284	0.8880
Pb2203_A		-0.5326	ug/L	0.1201	22.56	0.1927
Sb2068_A		1.128	ug/L	1.099	97.47	1.548
Se1960_A		-1.773	ug/L	0.1232	6.950	0.3436
Si2516_R		30.71	ug/L	15.72	51.19	18.36
Sn1899_A		21.36	ug/L	0.2426	1.136	9.600
Sr4215_R		0.1864	ug/L	0.2098	112.6	-20.45
Ti3349_A		0.4131	ug/L	0.1095	26.50	-12.15
Tl1908_A		-0.1518	ug/L	0.04726	31.12	0.2017
V_2924_A		0.1103	ug/L	0.2344	212.6	-1.857
Zn2062_A		2.251	ug/L	0.06138	2.727	8.184
Y_3600_R		12,420	Cts/S	1,189.5	9.5777	12,420
Y_2243_A		7,097.7	Cts/S	20.312	0.28618	7,097.7
Y_3600_A		213,040	Cts/S	5,231.8	2.4558	213,040

LCSOGG12ICS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:55:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.55	ug/L	0.2004	0.4129	791.6
Al3961_R		1,879	ug/L	88.01	4.685	884.1
As1891_A		94.01	ug/L	2.351	2.501	24.90
Au2427_A		-0.2467	ug/L	0.4341	176.0	-1.412
B_2089_A		497.6	ug/L	2.812	0.5651	417.4
Ba4554_R		1,907	ug/L	67.30	3.528	55,540
Be3130_R		48.07	ug/L	1.905	3.964	2,956
Ca3158_R		2,567	ug/L	75.96	2.959	1,875
Cd2265_A		252.1	ug/L	1.339	0.5310	2,898
Co2286_A		521.2	ug/L	3.893	0.7468	1,600
Cr2677_A		205.1	ug/L	1.779	0.8674	2,641
Cu3273_A		258.6	ug/L	2.491	0.9636	3,183
Fe2599_R		973.4	ug/L	40.14	4.124	1,142
K_7664_R		9,407	ug/L	307.5	3.268	4,012
Li6707_R		461.6	ug/L	16.71	3.621	3,171
Mg2025_A		5,229	ug/L	47.50	0.9084	829.4
Mn2576_R		479.6	ug/L	18.53	3.864	2,790
Mo2020_A		302.4	ug/L	1.448	0.4789	518.1

LCSOGG12ICS1

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:55:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		6,897	ug/L	247.5	3.589	7,648
Ni2316_A		509.6	ug/L	3.100	0.6083	884.7
Pb2203_A		104.1	ug/L	0.08243	0.07916	90.54
Sb2068_A		97.94	ug/L	0.3668	0.3745	29.76
Se1960_A		96.89	ug/L	1.340	1.383	16.42
Si2516_R	F	2,958	ug/L	92.76	3.136	854.1
Sn1899_A		537.4	ug/L	3.215	0.5983	227.7
Sr4215_R		458.9	ug/L	16.01	3.488	16,720
Ti3349_A		476.1	ug/L	4.274	0.8977	11,150
Tl1908_A		102.5	ug/L	1.677	1.637	43.35
V_2924_A		487.6	ug/L	4.746	0.9733	6,117
Zn2062_A		509.6	ug/L	3.769	0.7395	1,468
Y_3600_R		13,150	Cts/S	437.79	3.3291	13,150
Y_2243_A		6,955.4	Cts/S	42.376	0.60925	6,955.4
Y_3600_A		199,890	Cts/S	1,384.4	0.69260	199,890

SG4836-021

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 10:59:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.024	ug/L	0.1148	5.673	-329.6
Al3961_R	W	110,200	ug/L	1,394	1.265	51,210
As1891_A		7.224	ug/L	0.4071	5.635	-0.6037
Au2427_A		0.01016	ug/L	0.2519	2,479	39.35
B_2089_A		22.33	ug/L	1.146	5.130	21.37
Ba4554_R		268.9	ug/L	1.291	0.4801	7,731
Be3130_R		1.976	ug/L	0.03067	1.552	49.91
Ca3158_R		6,144	ug/L	25.84	0.4207	4,460
Cd2265_A		12.23	ug/L	0.1743	1.425	170.3
Co2286_A		5.981	ug/L	0.09786	1.636	35.09
Cr2677_A		141.5	ug/L	0.6642	0.4694	1,827
Cu3273_A		59.71	ug/L	1.292	2.164	735.3
Fe2599_R	W	59,230	ug/L	622.8	1.052	68,210
K_7664_R		4,113	ug/L	39.89	0.9697	1,739
Li6707_R		80.96	ug/L	2.078	2.567	597.5
Mg2025_A		6,849	ug/L	53.45	0.7804	1,086
Mn2576_R		233.7	ug/L	0.9636	0.4123	1,348
Mo2020_A		6.651	ug/L	0.07024	1.056	11.75
Na5895_R		474.9	ug/L	19.45	4.095	411.1
Ni2316_A		27.43	ug/L	0.1961	0.7149	43.05
Pb2203_A		371.0	ug/L	0.8798	0.2372	317.7
Sb2068_A		3.669	ug/L	0.8876	24.19	3.596
Se1960_A		0.6788	ug/L	1.407	207.3	0.8612
Si2516_R		4,348	ug/L	29.90	0.6877	1,233
Sn1899_A		74.03	ug/L	0.3231	0.4365	32.34
Sr4215_R		98.60	ug/L	0.6925	0.7024	3,530
Ti3349_A	W	1,324	ug/L	0.8889	0.06714	31,050
Tl1908_A		1.372	ug/L	0.8555	62.35	0.3269
V_2924_A		158.9	ug/L	0.2013	0.1267	2,011
Zn2062_A	W	4,239	ug/L	19.89	0.4691	12,460
Y_3600_R		12,994	Cts/S	3.8753	0.029824	12,994
Y_2243_A		7,099.2	Cts/S	24.710	0.34807	7,099.2
Y_3600_A		200,030	Cts/S	363.30	0.18162	200,030

SG4836-021L

Method Name: K6010-2011 Method Revision: 827

SG4836-021L

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:04:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.776	ug/L	1.910	68.82	-77.11
Al3961_R		111,000	ug/L	4,361	3.927	10,260
As1891_A		3.138	ug/L	1.994	63.54	-1.221
Au2427_A		-1.385	ug/L	3.205	231.4	7.608
B_2089_A		22.39	ug/L	1.300	5.806	6.369
Ba4554_R		270.8	ug/L	6.822	2.519	1,539
Be3130_R		1.886	ug/L	0.4684	24.83	-7.206
Ca3158_R		6,185	ug/L	106.2	1.717	880.4
Cd2265_A		11.94	ug/L	0.1362	1.140	32.82
Co2286_A		6.690	ug/L	0.3711	5.547	11.71
Cr2677_A		150.4	ug/L	12.16	8.085	384.2
Cu3273_A		61.75	ug/L	3.313	5.364	178.1
Fe2599_R		60,040	ug/L	2,215	3.689	13,750
K_7664_R		3,934	ug/L	113.8	2.894	337.5
Li6707_R		85.25	ug/L	5.630	6.604	170.4
Mg2025_A		7,022	ug/L	54.75	0.7797	222.6
Mn2576_R		237.2	ug/L	5.901	2.487	270.8
Mo2020_A		7.202	ug/L	0.1548	2.150	2.667
Na5895_R		561.3	ug/L	38.99	6.946	7.414
Ni2316_A		28.49	ug/L	1.995	7.004	8.637
Pb2203_A		370.6	ug/L	3.781	1.020	64.09
Sb2068_A		5.342	ug/L	10.66	199.5	1.844
Se1960_A		-9.733	ug/L	12.17	125.0	0.3373
Si2516_R		4,373	ug/L	95.09	2.174	255.2
Sn1899_A		73.77	ug/L	0.3850	0.5219	6.761
Sr4215_R		98.16	ug/L	4.333	4.415	676.0
Ti3349_A		1,386	ug/L	109.5	7.899	6,345
Tl1908_A		-7.205	ug/L	2.697	37.44	-0.4688
V_2924_A		166.9	ug/L	16.43	9.846	411.0
Zn2062_A		4,301	ug/L	15.12	0.3515	2,534
Y_3600_R		12,923	Cts/S	272.96	2.1122	12,923
Y_2243_A		7,112.6	Cts/S	19.067	0.26808	7,112.6
Y_3600_A		196,180	Cts/S	9,944.3	5.0690	196,180

SG4836-021A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:08:41PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		478.9	ug/L	2.426	0.5066	7,714
Al3961_R	W	108,300	ug/L	157.6	0.1455	50,370
As1891_A		491.5	ug/L	1.902	0.3870	134.7
Au2427_A		-0.5493	ug/L	0.1303	23.71	35.21
B_2089_A		516.0	ug/L	4.162	0.8065	445.3
Ba4554_R		735.9	ug/L	5.653	0.7681	21,180
Be3130_R		480.8	ug/L	0.2596	0.05398	29,450
Ca3158_R		6,573	ug/L	107.8	1.639	4,774
Cd2265_A		509.4	ug/L	5.266	1.034	5,968
Co2286_A		502.6	ug/L	4.602	0.9155	1,577
Cr2677_A		636.5	ug/L	1.186	0.1863	8,190
Cu3273_A		565.2	ug/L	0.4713	0.08338	6,901
Fe2599_R	W	58,710	ug/L	15.92	0.02712	67,640
K_7664_R		8,836	ug/L	52.32	0.5921	3,727
Li6707_R		546.9	ug/L	2.514	0.4597	3,705
Mg2025_A		7,337	ug/L	68.68	0.9361	1,174
Mn2576_R		714.4	ug/L	4.728	0.6618	4,115
Mo2020_A		505.8	ug/L	2.987	0.5906	879.3

SG4836-021A

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:08:41PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		927.2	ug/L	25.04	2.701	914.8
Ni2316_A		510.8	ug/L	4.660	0.9122	895.3
Pb2203_A		878.5	ug/L	9.398	1.070	762.3
Sb2068_A		479.0	ug/L	2.736	0.5712	151.4
Se1960_A		491.0	ug/L	3.801	0.7741	81.77
Si2516_R		4,534	ug/L	14.42	0.3181	1,288
Sn1899_A		74.01	ug/L	1.244	1.681	32.15
Sr4215_R		553.9	ug/L	1.235	0.2229	19,970
Ti3349_A	W	1,786	ug/L	15.04	0.8421	41,900
Tl1908_A		499.7	ug/L	2.606	0.5214	214.0
V_2924_A		635.4	ug/L	3.723	0.5859	7,955
Zn2062_A	W	4,709	ug/L	44.79	0.9512	13,760
Y_3600_R		12,998	Cts/S	101.26	0.77904	12,998
Y_2243_A		7,058.2	Cts/S	42.314	0.59950	7,058.2
Y_3600_A		199,980	Cts/S	697.35	0.34871	199,980

SG4836-021S

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:13:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.15	ug/L	0.9517	1.936	491.8
Al3961_R	W	189,400	ug/L	12,310	6.502	88,670
As1891_A		87.09	ug/L	2.629	3.019	21.47
Au2427_A		0.2283	ug/L	1.283	561.9	33.26
B_2089_A		497.4	ug/L	3.724	0.7486	417.0
Ba4554_R	W	2,216	ug/L	135.4	6.110	64,260
Be3130_R		50.75	ug/L	3.170	6.246	3,050
Ca3158_R		8,393	ug/L	527.4	6.284	6,143
Cd2265_A		246.9	ug/L	2.229	0.9027	2,865
Co2286_A		498.1	ug/L	4.835	0.9708	1,543
Cr2677_A		391.7	ug/L	2.310	0.5896	4,970
Cu3273_A		299.6	ug/L	1.669	0.5571	3,605
Fe2599_R	W	52,480	ug/L	3,290	6.270	60,870
K_7664_R		18,420	ug/L	985.2	5.348	7,818
Li6707_R		572.6	ug/L	36.00	6.288	3,904
Mg2025_A		14,540	ug/L	157.2	1.081	2,277
Mn2576_R		701.6	ug/L	46.89	6.684	4,069
Mo2020_A		277.8	ug/L	2.231	0.8030	476.4
Na5895_R		7,477	ug/L	410.8	5.494	8,268
Ni2316_A		513.5	ug/L	5.868	1.143	887.9
Pb2203_A		370.5	ug/L	5.259	1.419	301.6
Sb2068_A		41.05	ug/L	0.6815	1.660	14.57
Se1960_A		89.56	ug/L	3.343	3.732	15.36
Si2516_R		5,110	ug/L	310.1	6.068	1,460
Sn1899_A		522.7	ug/L	6.824	1.305	221.7
Sr4215_R		567.0	ug/L	35.27	6.221	20,580
Ti3349_A	W	2,014	ug/L	16.07	0.7980	46,540
Tl1908_A		95.94	ug/L	0.3049	0.3178	40.27
V_2924_A		698.2	ug/L	5.945	0.8515	8,663
Zn2062_A	W	3,188	ug/L	33.79	1.060	9,188
Y_3600_R		13,108	Cts/S	627.38	4.7862	13,108
Y_2243_A		6,962.8	Cts/S	57.593	0.82715	6,962.8
Y_3600_A		197,060	Cts/S	568.57	0.28853	197,060

SG4836-021P

Method Name: K6010-2011 Method Revision: 827

SG4836-021P

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:17:29PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.72	ug/L	0.3222	0.6481	472.9
Al3961_R	W	204,300	ug/L	3,594	1.759	94,280
As1891_A		87.28	ug/L	0.8625	0.9882	21.77
Au2427_A		0.4855	ug/L	0.5494	113.2	37.37
B_2089_A		483.8	ug/L	20.03	4.140	412.5
Ba4554_R	W	2,285	ug/L	39.88	1.745	65,310
Be3130_R		51.74	ug/L	0.6748	1.304	3,062
Ca3158_R		8,655	ug/L	131.4	1.519	6,243
Cd2265_A		241.3	ug/L	10.74	4.451	2,849
Co2286_A		487.9	ug/L	21.87	4.483	1,538
Cr2677_A		399.7	ug/L	0.3812	0.09538	5,025
Cu3273_A		295.2	ug/L	1.607	0.5444	3,519
Fe2599_R	W	56,660	ug/L	958.2	1.691	64,770
K_7664_R		19,150	ug/L	252.1	1.316	8,006
Li6707_R		585.7	ug/L	11.03	1.883	3,934
Mg2025_A		14,640	ug/L	644.6	4.401	2,333
Mn2576_R		724.3	ug/L	14.26	1.969	4,141
Mo2020_A		269.1	ug/L	11.27	4.187	469.3
Na5895_R		8,104	ug/L	107.4	1.325	8,839
Ni2316_A		503.1	ug/L	22.06	4.384	884.2
Pb2203_A		338.1	ug/L	13.43	3.973	276.4
Sb2068_A		37.00	ug/L	3.664	9.902	13.77
Se1960_A		85.93	ug/L	5.892	6.857	15.02
Si2516_R		4,824	ug/L	86.84	1.800	1,358
Sn1899_A		503.1	ug/L	22.75	4.522	217.0
Sr4215_R		579.5	ug/L	10.77	1.858	20,730
Ti3349_A	W	2,114	ug/L	3.003	0.1420	48,420
Tl1908_A		95.17	ug/L	3.545	3.725	40.59
V_2924_A		708.1	ug/L	1.209	0.1707	8,709
Zn2062_A	W	3,290	ug/L	145.6	4.424	9,644
Y_3600_R		12,899	Cts/S	25.474	0.19749	12,899
Y_2243_A		7,085.0	Cts/S	234.06	3.3036	7,085.0
Y_3600_A		195,300	Cts/S	56.613	0.028989	195,300

SG4836-022

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:21:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.748	ug/L	0.6404	17.09	-290.4
Al3961_R	W	68,760	ug/L	2,073	3.014	32,120
As1891_A		7.528	ug/L	0.6815	9.053	-0.3762
Au2427_A		1.600	ug/L	0.2228	13.93	38.11
B_2089_A		17.63	ug/L	0.2718	1.542	17.56
Ba4554_R		232.9	ug/L	7.578	3.253	6,730
Be3130_R		0.9722	ug/L	0.05555	5.713	-9.078
Ca3158_R		4,463	ug/L	115.4	2.586	3,253
Cd2265_A		6.847	ug/L	0.007563	0.1105	106.6
Co2286_A		9.062	ug/L	0.2368	2.613	44.28
Cr2677_A		112.8	ug/L	0.2001	0.1774	1,473
Cu3273_A		555.2	ug/L	2.018	0.3635	6,857
Fe2599_R	W	57,070	ug/L	1,733	3.036	66,070
K_7664_R		2,330	ug/L	89.75	3.852	993.8
Li6707_R		39.78	ug/L	0.008721	0.02192	324.7
Mg2025_A		2,679	ug/L	7.887	0.2945	426.9
Mn2576_R	W	1,387	ug/L	42.96	3.098	8,024
Mo2020_A		6.899	ug/L	0.2962	4.293	12.25

SG4836-022

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:21:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		363.9	ug/L	18.72	5.144	288.9
Ni2316_A		45.28	ug/L	0.5414	1.196	75.26
Pb2203_A		942.2	ug/L	5.674	0.6022	832.9
Sb2068_A		23.41	ug/L	1.278	5.460	9.261
Se1960_A		-1.962	ug/L	0.7378	37.59	0.5650
Si2516_R		4,145	ug/L	79.81	1.925	1,182
Sn1899_A		124.2	ug/L	1.393	1.122	54.29
Sr4215_R		33.19	ug/L	1.063	3.202	1,175
Ti3349_A	W	1,242	ug/L	3.755	0.3024	29,400
Tl1908_A		0.2214	ug/L	0.7359	332.3	-1.156
V_2924_A		126.5	ug/L	0.4942	0.3907	1,580
Zn2062_A	W	3,037	ug/L	17.71	0.5832	8,973
Y_3600_R		13,065	Cts/S	171.27	1.3109	13,065
Y_2243_A		7,136.0	Cts/S	19.377	0.27154	7,136.0
Y_3600_A		201,960	Cts/S	92.041	0.045573	201,960

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:26:20PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	471.2	ug/L	1.498	0.3178	7,791
Al3961_R		12,100	ug/L	15.26	0.1261	5,443
As1891_A		480.6	ug/L	6.274	1.305	131.1
Au2427_A		493.5	ug/L	7.903	1.602	1,451
B_2089_A		491.4	ug/L	8.933	1.818	419.3
Ba4554_R		493.9	ug/L	4.013	0.8125	13,730
Be3130_R		490.3	ug/L	3.090	0.6303	29,060
Ca3158_R		12,900	ug/L	198.1	1.536	9,067
Cd2265_A		508.4	ug/L	9.926	1.952	5,853
Co2286_A		501.3	ug/L	10.88	2.170	1,540
Cr2677_A		504.6	ug/L	0.9157	0.1815	6,439
Cu3273_A		503.2	ug/L	1.306	0.2595	6,125
Fe2599_R		12,250	ug/L	147.5	1.204	13,640
K_7664_R		12,370	ug/L	19.92	0.1611	5,037
Li6707_R		491.9	ug/L	2.614	0.5314	3,225
Mg2025_A		12,880	ug/L	270.0	2.096	2,020
Mn2576_R		500.9	ug/L	8.226	1.642	2,785
Mo2020_A		513.5	ug/L	8.712	1.697	880.4
Na5895_R		12,160	ug/L	145.1	1.193	12,970
Ni2316_A		490.0	ug/L	9.205	1.879	850.7
Pb2203_A		512.5	ug/L	8.003	1.562	443.9
Sb2068_A		488.2	ug/L	10.62	2.175	149.5
Se1960_A		482.5	ug/L	7.059	1.463	79.16
Si2516_R		12,510	ug/L	189.2	1.512	3,416
Sn1899_A		510.8	ug/L	10.49	2.055	216.6
Sr4215_R		482.1	ug/L	5.648	1.172	16,790
Ti3349_A		477.0	ug/L	1.059	0.2221	11,080
Tl1908_A		502.2	ug/L	10.54	2.100	212.6
V_2924_A		480.8	ug/L	1.117	0.2323	5,944
Zn2062_A		494.1	ug/L	9.662	1.955	1,424
Y_3600_R		12,559	Cts/S	96.835	0.77107	12,559
Y_2243_A		6,960.9	Cts/S	110.27	1.5842	6,960.9
Y_3600_A		198,320	Cts/S	66.641	0.033603	198,320

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:30:41PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.108	ug/L	0.7911	71.39	0.5773
Al3961_R		2.129	ug/L	4.469	209.9	-4.124
As1891_A		1.225	ug/L	1.531	125.0	-0.7274
Au2427_A		-0.9939	ug/L	0.2762	27.79	-2.362
B_2089_A		1.622	ug/L	0.7054	43.49	3.937
Ba4554_R		0.6127	ug/L	0.6754	110.2	6.088
Be3130_R		0.1543	ug/L	0.1736	112.5	-9.821
Ca3158_R		10.48	ug/L	3.151	30.07	-8.030
Cd2265_A		0.04071	ug/L	0.03556	87.36	-0.4030
Co2286_A		0.05167	ug/L	0.3598	696.3	5.249
Cr2677_A		0.3770	ug/L	0.3316	87.96	10.42
Cu3273_A		-0.9489	ug/L	0.1584	16.69	26.53
Fe2599_R		5.667	ug/L	4.355	76.84	14.18
K_7664_R		-42.85	ug/L	63.17	147.4	-9.278
Li6707_R		0.7554	ug/L	0.3308	43.79	61.15
Mg2025_A		-1.470	ug/L	0.7124	48.46	-0.8416
Mn2576_R		0.1620	ug/L	0.1095	67.58	-0.6246
Mo2020_A		1.869	ug/L	0.2074	11.10	3.367
Na5895_R		5.192	ug/L	26.18	504.2	-108.9
Ni2316_A		-0.1094	ug/L	0.06525	59.63	-0.6180
Pb2203_A		-0.3208	ug/L	0.7629	237.8	0.3714
Sb2068_A		2.094	ug/L	1.252	59.80	1.886
Se1960_A		-3.591	ug/L	0.2504	6.974	0.04125
Si2516_R		4.727	ug/L	16.62	351.7	11.82
Sn1899_A		0.2858	ug/L	0.3846	134.6	0.4937
Sr4215_R		-0.1428	ug/L	0.3373	236.2	-32.83
Ti3349_A		0.4473	ug/L	0.01813	4.053	-10.76
Tl1908_A		1.151	ug/L	0.7541	65.53	0.7535
V_2924_A		0.2984	ug/L	0.3893	130.5	0.5491
Zn2062_A		0.3499	ug/L	0.07169	20.49	2.563
Y_3600_R		12,663	Cts/S	116.95	0.92355	12,663
Y_2243_A		6,999.5	Cts/S	40.728	0.58187	6,999.5
Y_3600_A		203,810	Cts/S	21.643	0.010619	203,810

SG4836-023

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:35:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		7.638	ug/L	6.623	86.71	-3,778
Al3961_R	W	59,860	ug/L	378.0	0.6314	26,650
As1891_A		37.99	ug/L	0.1403	0.3692	-5.717
Au2427_A		12.61	ug/L	0.7182	5.697	435.4
B_2089_A		90.73	ug/L	0.2186	0.2410	75.03
Ba4554_R	W	1,069	ug/L	5.320	0.4976	29,490
Be3130_R		0.9257	ug/L	0.02709	2.927	-8.840
Ca3158_R	W	102,400	ug/L	555.2	0.5421	71,490
Cd2265_A		59.41	ug/L	0.6605	1.112	956.9
Co2286_A		44.21	ug/L	0.2021	0.4572	163.4
Cr2677_A		399.0	ug/L	7.199	1.805	4,978
Cu3273_A	W	4,126	ug/L	73.45	1.780	48,560
Fe2599_R	F	708,200	ug/L	4,661	0.6581	781,400
K_7664_R		2,694	ug/L	55.28	2.052	1,094
Li6707_R		37.58	ug/L	0.2179	0.5798	295.4
Mg2025_A		7,258	ug/L	34.56	0.4761	1,094
Mn2576_R	W	12,250	ug/L	87.45	0.7140	67,580
Mo2020_A		36.49	ug/L	0.06074	0.1665	60.59

SG4836-023

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:35:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,134	ug/L	16.10	1.420	1,097
Ni2316_A	W	1,517	ug/L	12.09	0.7972	2,487
Pb2203_A	W	17,160	ug/L	139.5	0.8128	14,410
Sb2068_A		950.3	ug/L	3.658	0.3849	281.1
Se1960_A		5.392	ug/L	2.566	47.58	3.708
Si2516_R		5,457	ug/L	52.99	0.9710	1,462
Sn1899_A	W	1,380	ug/L	14.27	1.034	564.6
Sr4215_R		254.8	ug/L	2.127	0.8348	8,784
Ti3349_A	W	1,189	ug/L	20.43	1.717	26,860
Tl1908_A		4.703	ug/L	1.546	32.88	-7.834
V_2924_A		146.9	ug/L	1.868	1.272	1,456
Zn2062_A	W	18,140	ug/L	148.5	0.8183	50,500
Y_3600_R		12,451	Cts/S	37.379	0.30021	12,451
Y_2243_A		6,723.7	Cts/S	44.488	0.66166	6,723.7
Y_3600_A		192,650	Cts/S	2,223.9	1.1544	192,650

SG4836-024

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:39:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.8586	ug/L	0.2164	25.20	-57.47
Al3961_R	W	37,510	ug/L	627.3	1.673	17,440
As1891_A		1.854	ug/L	0.8944	48.25	-0.8286
Au2427_A		-0.7839	ug/L	0.8314	106.1	3.633
B_2089_A		13.50	ug/L	0.5771	4.274	13.89
Ba4554_R		43.37	ug/L	1.460	3.368	1,238
Be3130_R		0.5456	ug/L	0.09233	16.92	-19.13
Ca3158_R		2,119	ug/L	63.05	2.975	1,529
Cd2265_A		-0.04999	ug/L	0.1223	244.6	3.053
Co2286_A		3.343	ug/L	0.1835	5.489	21.68
Cr2677_A		41.57	ug/L	0.09223	0.2219	552.8
Cu3273_A		4.296	ug/L	0.3886	9.047	69.58
Fe2599_R		8,287	ug/L	152.7	1.843	9,555
K_7664_R		1,569	ug/L	61.16	3.899	668.6
Li6707_R		30.23	ug/L	3.310	10.95	259.6
Mg2025_A		1,755	ug/L	12.04	0.6863	278.0
Mn2576_R		54.36	ug/L	0.6667	1.227	312.1
Mo2020_A		2.184	ug/L	0.2965	13.58	3.963
Na5895_R		270.4	ug/L	8.919	3.299	183.6
Ni2316_A		12.43	ug/L	0.1702	1.369	20.87
Pb2203_A		21.27	ug/L	0.9223	4.335	15.32
Sb2068_A		2.090	ug/L	2.933	140.3	2.263
Se1960_A		-1.888	ug/L	3.375	178.7	0.3463
Si2516_R		4,064	ug/L	145.0	3.567	1,155
Sn1899_A		23.11	ug/L	0.4408	1.907	10.36
Sr4215_R		24.26	ug/L	0.4272	1.761	847.6
Ti3349_A		805.0	ug/L	5.711	0.7094	19,310
Tl1908_A		0.8107	ug/L	0.4839	59.69	0.3126
V_2924_A		34.08	ug/L	0.4473	1.313	442.6
Zn2062_A		31.62	ug/L	0.1483	0.4689	94.37
Y_3600_R		13,002	Cts/S	222.50	1.7113	13,002
Y_2243_A		7,099.2	Cts/S	3.8156	0.053748	7,099.2
Y_3600_A		204,720	Cts/S	602.35	0.29423	204,720

SG4836-025

Method Name: K6010-2011 Method Revision: 827

SG4836-025

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:44:17PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.709	ug/L	0.5330	31.18	-164.1
Al3961_R	W	51,290	ug/L	475.1	0.9262	23,390
As1891_A		5.198	ug/L	0.2197	4.227	-0.3687
Au2427_A		-1.190	ug/L	0.3489	29.32	15.60
B_2089_A		7.137	ug/L	0.05029	0.7046	9.191
Ba4554_R		116.9	ug/L	1.642	1.405	3,293
Be3130_R		0.6900	ug/L	0.09171	13.29	-14.70
Ca3158_R		2,586	ug/L	35.10	1.357	1,833
Cd2265_A		1.050	ug/L	0.03763	3.584	25.39
Co2286_A		4.016	ug/L	0.2125	5.290	25.33
Cr2677_A		134.3	ug/L	0.9132	0.6799	1,765
Cu3273_A		108.9	ug/L	0.8406	0.7723	1,367
Fe2599_R	W	29,140	ug/L	349.9	1.201	32,940
K_7664_R		1,017	ug/L	20.22	1.989	428.0
Li6707_R		26.94	ug/L	0.6268	2.327	233.0
Mg2025_A		1,304	ug/L	5.321	0.4082	207.0
Mn2576_R		239.6	ug/L	1.997	0.8332	1,354
Mo2020_A		20.42	ug/L	0.1210	0.5924	35.94
Na5895_R		205.3	ug/L	2.070	1.008	109.0
Ni2316_A		30.55	ug/L	0.07353	0.2407	51.32
Pb2203_A		185.1	ug/L	1.350	0.7297	159.5
Sb2068_A		7.696	ug/L	1.752	22.77	4.492
Se1960_A		-4.470	ug/L	2.111	47.22	-0.03246
Si2516_R		3,604	ug/L	36.29	1.007	1,006
Sn1899_A		36.75	ug/L	0.7790	2.120	16.28
Sr4215_R		23.74	ug/L	0.4733	1.993	813.1
Ti3349_A		934.7	ug/L	1.419	0.1518	22,310
Tl1908_A		-0.2988	ug/L	1.205	403.2	-0.3587
V_2924_A		61.31	ug/L	0.1803	0.2941	781.0
Zn2062_A		462.0	ug/L	3.381	0.7318	1,362
Y_3600_R		12,754	Cts/S	131.61	1.0320	12,754
Y_2243_A		7,114.0	Cts/S	34.236	0.48124	7,114.0
Y_3600_A		203,670	Cts/S	272.79	0.13394	203,670

SG4836-026

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:48:47PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.452	ug/L	0.3422	23.57	-124.3
Al3961_R	W	42,970	ug/L	617.6	1.437	19,810
As1891_A		5.912	ug/L	1.190	20.13	0.01120
Au2427_A		0.4196	ug/L	1.957	466.3	15.09
B_2089_A		36.95	ug/L	0.9644	2.610	33.66
Ba4554_R		161.4	ug/L	1.483	0.9190	4,601
Be3130_R		1.166	ug/L	0.05122	4.393	17.18
Ca3158_R		10,790	ug/L	94.20	0.8734	7,782
Cd2265_A		1.842	ug/L	0.08810	4.783	31.32
Co2286_A		3.342	ug/L	0.2363	7.070	22.51
Cr2677_A		52.76	ug/L	0.2428	0.4602	704.6
Cu3273_A		427.2	ug/L	0.7845	0.1836	5,392
Fe2599_R		21,370	ug/L	357.6	1.673	24,430
K_7664_R		1,358	ug/L	30.58	2.251	575.5
Li6707_R		16.32	ug/L	4.576	28.05	165.2
Mg2025_A		2,961	ug/L	14.97	0.5056	472.6
Mn2576_R		292.1	ug/L	2.215	0.7582	1,668
Mo2020_A		2.991	ug/L	0.3512	11.74	5.413

SG4836-026

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:48:47PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		361.9	ug/L	6.157	1.701	283.1
Ni2316_A		14.37	ug/L	0.1294	0.9008	23.34
Pb2203_A		382.0	ug/L	0.4764	0.1247	336.9
Sb2068_A		20.78	ug/L	0.09350	0.4500	8.122
Se1960_A		-1.178	ug/L	0.4514	38.32	0.5136
Si2516_R		3,680	ug/L	64.57	1.755	1,038
Sn1899_A		66.39	ug/L	1.085	1.635	29.25
Sr4215_R		131.8	ug/L	1.874	1.422	4,692
Ti3349_A		847.6	ug/L	8.042	0.9488	20,450
Tl1908_A		-0.9306	ug/L	1.039	111.7	-0.6667
V_2924_A		37.55	ug/L	0.1405	0.3741	483.3
Zn2062_A		498.8	ug/L	0.8604	0.1725	1,478
Y_3600_R		12,894	Cts/S	19.016	0.14748	12,894
Y_2243_A		7,149.7	Cts/S	4.7286	0.066137	7,149.7
Y_3600_A		205,870	Cts/S	659.17	0.32018	205,870

SG4836-027

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:53:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.7301	ug/L	0.02067	2.831	-61.36
Al3961_R	W	40,750	ug/L	159.8	0.3920	18,840
As1891_A		5.653	ug/L	2.419	42.79	0.2263
Au2427_A		0.09213	ug/L	0.5949	645.7	5.447
B_2089_A		36.37	ug/L	0.01525	0.04193	33.52
Ba4554_R		190.0	ug/L	2.163	1.138	5,431
Be3130_R		1.669	ug/L	0.009113	0.5460	52.88
Ca3158_R		14,610	ug/L	111.7	0.7646	10,570
Cd2265_A		0.4086	ug/L	0.01656	4.053	8.616
Co2286_A		0.8717	ug/L	0.2496	28.63	13.61
Cr2677_A		34.63	ug/L	0.1617	0.4669	467.0
Cu3273_A		23.62	ug/L	0.2221	0.9403	318.1
Fe2599_R		8,557	ug/L	88.69	1.037	9,811
K_7664_R		1,192	ug/L	15.17	1.273	507.3
Li6707_R		8.139	ug/L	1.352	16.61	111.4
Mg2025_A		3,661	ug/L	34.95	0.9546	590.0
Mn2576_R		323.8	ug/L	2.639	0.8151	1,853
Mo2020_A		3.878	ug/L	0.1794	4.628	7.046
Na5895_R		728.6	ug/L	18.35	2.519	690.0
Ni2316_A		5.760	ug/L	0.1562	2.712	9.190
Pb2203_A		77.86	ug/L	0.3515	0.4514	66.18
Sb2068_A		0.6210	ug/L	1.267	204.0	1.833
Se1960_A		-2.526	ug/L	3.878	153.5	0.2788
Si2516_R		3,611	ug/L	32.59	0.9024	1,022
Sn1899_A		23.72	ug/L	0.1416	0.5969	10.80
Sr4215_R		152.4	ug/L	0.5694	0.3736	5,444
Ti3349_A		722.6	ug/L	11.40	1.578	17,530
Tl1908_A		0.3809	ug/L	0.1260	33.08	-0.01815
V_2924_A		24.18	ug/L	0.1964	0.8123	308.3
Zn2062_A		91.27	ug/L	0.5748	0.6298	274.3
Y_3600_R		12,928	Cts/S	43.474	0.33629	12,928
Y_2243_A		7,219.8	Cts/S	36.713	0.50850	7,219.8
Y_3600_A		207,000	Cts/S	0.80078	0.00038685	207,000

SG4836-028

Method Name: K6010-2011 Method Revision: 827

SG4836-028

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/12/2013 11:57:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.403	ug/L	0.1676	11.95	-207.3
Al3961_R	W	69,430	ug/L	2,945	4.242	33,140
As1891_A		6.915	ug/L	0.9333	13.50	-0.07373
Au2427_A		0.7165	ug/L	0.07284	10.17	24.83
B_2089_A		13.15	ug/L	0.3421	2.601	13.65
Ba4554_R		193.3	ug/L	8.743	4.523	5,706
Be3130_R		1.146	ug/L	0.0009271	0.08092	-1.559
Ca3158_R		4,877	ug/L	226.1	4.636	3,633
Cd2265_A		2.965	ug/L	0.07647	2.579	51.00
Co2286_A		6.070	ug/L	0.5187	8.546	34.54
Cr2677_A		104.0	ug/L	0.06171	0.05936	1,366
Cu3273_A		424.4	ug/L	1.597	0.3762	5,278
Fe2599_R	W	35,310	ug/L	1,670	4.728	41,770
K_7664_R		2,047	ug/L	134.7	6.580	893.1
Li6707_R		39.82	ug/L	2.938	7.378	331.9
Mg2025_A		2,599	ug/L	8.387	0.3227	412.5
Mn2576_R		396.7	ug/L	17.65	4.449	2,346
Mo2020_A		3.436	ug/L	0.04241	1.234	6.155
Na5895_R		502.0	ug/L	13.00	2.590	453.3
Ni2316_A		25.36	ug/L	0.2333	0.9199	41.51
Pb2203_A		523.7	ug/L	1.824	0.3483	457.8
Sb2068_A		26.59	ug/L	1.747	6.568	10.32
Se1960_A		-1.476	ug/L	2.382	161.3	0.4937
Si2516_R		4,563	ug/L	66.92	1.466	1,330
Sn1899_A		57.38	ug/L	0.7248	1.263	25.19
Sr4215_R		39.28	ug/L	2.082	5.302	1,427
Ti3349_A	W	1,295	ug/L	2.313	0.1786	30,870
Tl1908_A		0.001910	ug/L	0.2789	14,600	-0.4895
V_2924_A		89.52	ug/L	0.3081	0.3442	1,146
Zn2062_A		837.9	ug/L	0.5349	0.06383	2,467
Y_3600_R		13,355	Cts/S	394.25	2.9521	13,355
Y_2243_A		7,108.3	Cts/S	12.195	0.17156	7,108.3
Y_3600_A		203,350	Cts/S	206.70	0.10165	203,350

SG4836-029

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:02:15AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.840	ug/L	0.2675	5.526	-316.4
Al3961_R	W	60,000	ug/L	674.2	1.124	27,920
As1891_A		9.022	ug/L	0.9570	10.61	-0.1037
Au2427_A		1.198	ug/L	0.03393	2.832	42.32
B_2089_A		14.95	ug/L	0.3969	2.655	15.22
Ba4554_R		294.2	ug/L	5.053	1.717	8,471
Be3130_R		0.9159	ug/L	0.02055	2.243	-8.559
Ca3158_R		5,036	ug/L	89.24	1.772	3,658
Cd2265_A		7.828	ug/L	0.04970	0.6349	121.2
Co2286_A		11.14	ug/L	0.03288	0.2951	50.07
Cr2677_A		150.1	ug/L	2.301	1.533	1,964
Cu3273_A	W	1,098	ug/L	18.03	1.643	13,600
Fe2599_R	W	64,770	ug/L	1,013	1.564	74,690
K_7664_R		1,556	ug/L	2.690	0.1729	664.2
Li6707_R		33.96	ug/L	2.598	7.651	284.5
Mg2025_A		2,643	ug/L	12.00	0.4540	420.1
Mn2576_R	W	1,284	ug/L	18.92	1.473	7,400
Mo2020_A		5.240	ug/L	0.1403	2.677	9.329

SG4836-029

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:02:15AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		371.7	ug/L	31.56	8.489	296.6
Ni2316_A		53.50	ug/L	0.3342	0.6248	88.97
Pb2203_A	W	1,539	ug/L	11.93	0.7754	1,362
Sb2068_A		100.7	ug/L	1.389	1.380	33.28
Se1960_A		-0.5933	ug/L	4.777	805.2	0.7847
Si2516_R		4,025	ug/L	172.1	4.275	1,143
Sn1899_A		161.1	ug/L	0.8888	0.5518	70.10
Sr4215_R		31.45	ug/L	0.2179	0.6929	1,108
Ti3349_A	W	1,132	ug/L	16.58	1.464	26,900
Tl1908_A		0.009786	ug/L	0.8645	8,834	-1.184
V_2924_A		99.20	ug/L	2.430	2.450	1,236
Zn2062_A	W	2,837	ug/L	19.47	0.6863	8,360
Y_3600_R		13,011	Cts/S	11.729	0.090148	13,011
Y_2243_A		7,116.4	Cts/S	26.122	0.36706	7,116.4
Y_3600_A		202,680	Cts/S	1,158.4	0.57151	202,680

SG4836-030

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:06:44AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.04966	ug/L	0.1117	224.9	-40.89
Al3961_R	W	180,400	ug/L	2,554	1.416	84,320
As1891_A		10.84	ug/L	0.6692	6.174	1.471
Au2427_A		-0.3359	ug/L	0.6785	202.0	2.099
B_2089_A		69.57	ug/L	0.1333	0.1916	60.76
Ba4554_R		32.08	ug/L	0.1145	0.3570	917.4
Be3130_R		1.272	ug/L	0.01829	1.437	31.46
Ca3158_R		14,910	ug/L	266.6	1.789	10,900
Cd2265_A		-0.2352	ug/L	0.001780	0.7569	-1.460
Co2286_A		0.9409	ug/L	0.3852	40.95	13.34
Cr2677_A		87.01	ug/L	0.4170	0.4792	1,135
Cu3273_A		20.69	ug/L	0.7382	3.568	294.8
Fe2599_R		3,247	ug/L	65.10	2.005	3,768
K_7664_R		964.5	ug/L	0.6669	0.06915	416.6
Li6707_R		15.40	ug/L	6.012	39.04	161.4
Mg2025_A		1,201	ug/L	14.38	1.197	190.4
Mn2576_R		50.87	ug/L	0.8871	1.744	294.1
Mo2020_A		6.234	ug/L	0.3245	5.205	11.05
Na5895_R		466.3	ug/L	2.543	0.5454	403.8
Ni2316_A		9.115	ug/L	0.09906	1.087	15.47
Pb2203_A		31.18	ug/L	0.6024	1.932	7.178
Sb2068_A		0.6771	ug/L	0.9309	137.5	2.845
Se1960_A		38.37	ug/L	4.107	10.70	7.053
Si2516_R		3,365	ug/L	20.86	0.6200	963.5
Sn1899_A		21.24	ug/L	1.894	8.919	9.566
Sr4215_R		75.35	ug/L	1.168	1.551	2,706
Ti3349_A		708.4	ug/L	5.773	0.8149	16,770
Tl1908_A		0.3374	ug/L	0.2757	81.70	0.6856
V_2924_A		103.5	ug/L	1.181	1.141	1,321
Zn2062_A		12.12	ug/L	0.05575	0.4601	36.95
Y_3600_R		13,069	Cts/S	75.231	0.57565	13,069
Y_2243_A		7,112.0	Cts/S	6.9491	0.097709	7,112.0
Y_3600_A		202,000	Cts/S	1,032.1	0.51093	202,000

SG4836-023

Method Name: K6010-2011 Method Revision: 827

SG4836-023

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:11:15AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		28.80	ug/L	12.46	43.27	-785.6
Al3961_R		57,000	ug/L	1,277	2.241	5,111
As1891_A		36.25	ug/L	8.122	22.40	-2.332
Au2427_A		4.641	ug/L	4.461	96.11	92.42
B_2089_A		86.73	ug/L	1.916	2.209	16.86
Ba4554_R		1,018	ug/L	16.05	1.576	5,652
Be3130_R		1.148	ug/L	0.1850	16.12	-13.96
Ca3158_R		99,190	ug/L	939.2	0.9469	13,940
Cd2265_A		57.03	ug/L	1.141	2.000	195.7
Co2286_A		43.53	ug/L	2.024	4.651	37.58
Cr2677_A		395.3	ug/L	2.431	0.6150	1,031
Cu3273_A		4,223	ug/L	42.41	1.004	10,370
Fe2599_R	W	758,100	ug/L	14,390	1.898	168,600
K_7664_R		2,114	ug/L	228.0	10.79	179.8
Li6707_R		31.97	ug/L	14.80	46.29	96.95
Mg2025_A		7,335	ug/L	42.42	0.5783	227.7
Mn2576_R	W	11,910	ug/L	175.3	1.471	13,250
Mo2020_A		36.31	ug/L	1.245	3.429	12.57
Na5895_R		1,059	ug/L	5.941	0.5613	114.0
Ni2316_A		1,545	ug/L	18.20	1.178	521.8
Pb2203_A	W	17,390	ug/L	188.3	1.083	3,014
Sb2068_A		936.7	ug/L	5.524	0.5897	58.23
Se1960_A		-15.13	ug/L	29.04	191.9	0.6048
Si2516_R		5,135	ug/L	142.4	2.773	285.1
Sn1899_A		1,389	ug/L	11.20	0.8062	117.7
Sr4215_R		241.0	ug/L	4.631	1.922	1,652
Ti3349_A		1,157	ug/L	22.45	1.941	5,417
Tl1908_A		4.876	ug/L	5.708	117.1	-1.356
V_2924_A		144.0	ug/L	0.04534	0.03150	295.9
Zn2062_A	W	18,970	ug/L	248.7	1.311	10,900
Y_3600_R		12,547	Cts/S	83.771	0.66764	12,547
Y_2243_A		6,940.4	Cts/S	57.080	0.82243	6,940.4
Y_3600_A		200,380	Cts/S	2,240.2	1.1180	200,380

SG4872-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:15:43AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.894	ug/L	0.7082	24.47	-464.3
Al3961_R	W	55,270	ug/L	493.8	0.8934	26,010
As1891_A		51.07	ug/L	0.9631	1.886	11.60
Au2427_A		-0.3051	ug/L	1.444	473.1	50.74
B_2089_A		8.512	ug/L	0.4150	4.875	10.01
Ba4554_R		162.9	ug/L	2.671	1.640	4,738
Be3130_R		2.510	ug/L	0.09837	3.919	-32.25
Ca3158_R		3,376	ug/L	23.23	0.6880	2,474
Cd2265_A		1.440	ug/L	0.08818	6.122	56.66
Co2286_A		15.16	ug/L	0.1339	0.8837	86.15
Cr2677_A		82.73	ug/L	1.111	1.343	1,110
Cu3273_A		61.30	ug/L	0.4828	0.7876	676.8
Fe2599_R	W	79,410	ug/L	862.4	1.086	92,610
K_7664_R		3,441	ug/L	61.18	1.778	1,475
Li6707_R		60.66	ug/L	3.421	5.641	468.0
Mg2025_A		9,141	ug/L	4.402	0.04815	1,479
Mn2576_R		701.5	ug/L	7.917	1.129	4,092
Mo2020_A		4.711	ug/L	0.1434	3.044	8.482

SG4872-001

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:15:43AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		823.9	ug/L	6.709	0.8144	809.7
Ni2316_A		59.83	ug/L	0.3220	0.5382	100.6
Pb2203_A	W	1,725	ug/L	1.867	0.1082	1,554
Sb2068_A		4.380	ug/L	0.8743	19.96	3.628
Se1960_A		1.451	ug/L	0.5602	38.62	1.080
Si2516_R		3,680	ug/L	15.57	0.4232	1,058
Sn1899_A		34.71	ug/L	0.4224	1.217	15.66
Sr4215_R		36.26	ug/L	0.08891	0.2452	1,296
Ti3349_A	W	4,090	ug/L	7.067	0.1728	99,380
Tl1908_A		1.515	ug/L	1.772	117.0	-1.591
V_2924_A		239.6	ug/L	0.9210	0.3843	3,159
Zn2062_A		170.6	ug/L	0.4838	0.2836	512.5
Y_3600_R		13,158	Cts/S	47.663	0.36223	13,158
Y_2243_A		7,236.8	Cts/S	9.6583	0.13346	7,236.8
Y_3600_A		207,160	Cts/S	549.65	0.26533	207,160

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:20:11AM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	470.3	ug/L	10.13	2.154	7,778
Al3961_R		12,520	ug/L	353.8	2.825	5,448
As1891_A		483.9	ug/L	1.062	0.2194	131.2
Au2427_A		496.3	ug/L	5.623	1.133	1,452
B_2089_A		494.4	ug/L	0.9521	0.1926	419.3
Ba4554_R		510.1	ug/L	15.25	2.990	13,720
Be3130_R		507.1	ug/L	15.45	3.046	29,080
Ca3158_R	W	13,300	ug/L	417.2	3.138	9,042
Cd2265_A		510.9	ug/L	1.149	0.2249	5,848
Co2286_A		505.0	ug/L	1.837	0.3637	1,543
Cr2677_A		502.1	ug/L	10.96	2.183	6,411
Cu3273_A		499.6	ug/L	7.660	1.533	6,085
Fe2599_R		12,710	ug/L	419.9	3.303	13,700
K_7664_R		12,690	ug/L	364.1	2.870	5,000
Li6707_R		502.4	ug/L	15.16	3.016	3,186
Mg2025_A		12,930	ug/L	29.14	0.2253	2,017
Mn2576_R		517.6	ug/L	16.25	3.139	2,784
Mo2020_A		514.9	ug/L	0.2189	0.04250	877.8
Na5895_R		12,610	ug/L	425.8	3.377	13,020
Ni2316_A		492.6	ug/L	2.380	0.4832	850.3
Pb2203_A		516.6	ug/L	0.4862	0.09411	444.9
Sb2068_A		489.2	ug/L	2.435	0.4977	149.0
Se1960_A		489.9	ug/L	4.149	0.8468	79.91
Si2516_R		12,920	ug/L	409.7	3.171	3,412
Sn1899_A		511.9	ug/L	1.194	0.2333	215.9
Sr4215_R		497.0	ug/L	15.17	3.053	16,750
Ti3349_A		477.8	ug/L	10.90	2.282	11,110
Tl1908_A		505.5	ug/L	0.2930	0.05795	212.8
V_2924_A		480.1	ug/L	12.18	2.537	5,938
Zn2062_A		496.5	ug/L	1.271	0.2560	1,422
Y_3600_R		12,154	Cts/S	263.08	2.1646	12,154
Y_2243_A		6,920.5	Cts/S	11.077	0.16007	6,920.5
Y_3600_A		198,460	Cts/S	2,725.3	1.3732	198,460

CCB

Method Name: K6010-2011 Method Revision: 827

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:24:33AM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.06369	ug/L	0.3381	530.9	-17.41
Al3961_R		2.902	ug/L	9.713	334.7	-3.854
As1891_A		-0.9588	ug/L	2.605	271.7	-1.331
Au2427_A		0.7556	ug/L	0.5350	70.81	2.784
B_2089_A		-0.1445	ug/L	0.8647	598.3	2.473
Ba4554_R		0.4632	ug/L	0.4611	99.56	1.929
Be3130_R		0.03874	ug/L	0.1308	337.8	-16.85
Ca3158_R		21.97	ug/L	6.076	27.66	0.1737
Cd2265_A		-0.05680	ug/L	0.03956	69.65	-1.530
Co2286_A		0.1063	ug/L	0.02028	19.07	5.425
Cr2677_A		0.1040	ug/L	0.3365	323.7	6.858
Cu3273_A		-0.3372	ug/L	0.2090	61.99	34.21
Fe2599_R		3.700	ug/L	0.9036	24.42	12.09
K_7664_R		-47.32	ug/L	13.92	29.42	-11.41
Li6707_R		0.2929	ug/L	0.5307	181.2	58.78
Mg2025_A		-1.767	ug/L	3.599	203.7	-0.8894
Mn2576_R		-0.05591	ug/L	0.1977	353.6	-1.874
Mo2020_A		1.318	ug/L	0.2826	21.44	2.419
Na5895_R		8.488	ug/L	8.124	95.71	-106.6
Ni2316_A		0.1064	ug/L	0.4630	435.0	-0.2431
Pb2203_A		-0.9750	ug/L	0.8696	89.19	-0.1983
Sb2068_A		1.985	ug/L	0.3090	15.57	1.852
Se1960_A		-1.344	ug/L	1.270	94.48	0.4086
Si2516_R		-3.460	ug/L	5.550	160.4	9.678
Sn1899_A		-0.1820	ug/L	0.1924	105.7	0.2949
Sr4215_R		-0.2552	ug/L	0.1964	76.95	-37.21
Ti3349_A		1.087	ug/L	0.06505	5.983	4.545
Tl1908_A		1.326	ug/L	0.5371	40.52	0.8286
V_2924_A		0.04301	ug/L	0.4783	1,112	-2.660
Zn2062_A		0.3187	ug/L	0.1228	38.53	2.472
Y_3600_R		12,810	Cts/S	201.47	1.5728	12,810
Y_2243_A		6,998.9	Cts/S	15.382	0.21978	6,998.9
Y_3600_A		204,260	Cts/S	340.21	0.16655	204,260

SG4872-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:29:06AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.929	ug/L	0.6823	35.38	-286.1
Al3961_R	W	30,870	ug/L	699.0	2.265	14,440
As1891_A		38.95	ug/L	0.07065	0.1814	8.977
Au2427_A		0.8189	ug/L	1.328	162.2	32.73
B_2089_A		13.92	ug/L	0.03908	0.2808	14.69
Ba4554_R		327.3	ug/L	3.766	1.151	9,480
Be3130_R		2.100	ug/L	0.07235	3.445	-18.07
Ca3158_R		4,060	ug/L	28.24	0.6956	2,963
Cd2265_A		2.294	ug/L	0.04017	1.751	51.48
Co2286_A		7.508	ug/L	0.09139	1.217	54.06
Cr2677_A		53.33	ug/L	0.09632	0.1806	724.7
Cu3273_A		57.46	ug/L	1.224	2.131	666.7
Fe2599_R	W	46,970	ug/L	938.5	1.998	54,490
K_7664_R		2,596	ug/L	14.63	0.5636	1,108
Li6707_R		16.17	ug/L	0.3040	1.880	166.7
Mg2025_A		3,578	ug/L	18.06	0.5048	582.5
Mn2576_R		597.7	ug/L	7.521	1.258	3,466
Mo2020_A		4.895	ug/L	0.02336	0.4773	8.889

SG4872-002

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:29:06AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		855.0	ug/L	8.010	0.9368	840.3
Ni2316_A		52.71	ug/L	0.6262	1.188	91.22
Pb2203_A		706.6	ug/L	8.568	1.213	640.6
Sb2068_A		2.637	ug/L	1.619	61.40	2.657
Se1960_A		2.097	ug/L	1.907	90.95	1.145
Si2516_R		5,907	ug/L	69.05	1.169	1,685
Sn1899_A		34.30	ug/L	1.056	3.079	15.58
Sr4215_R		39.11	ug/L	0.5978	1.528	1,393
Ti3349_A	W	3,121	ug/L	14.22	0.4558	76,540
Tl1908_A		0.6226	ug/L	0.5735	92.13	-1.463
V_2924_A		166.7	ug/L	0.3094	0.1856	2,216
Zn2062_A		103.7	ug/L	1.224	1.180	314.1
Y_3600_R		13,088	Cts/S	10.888	0.083196	13,088
Y_2243_A		7,284.8	Cts/S	61.798	0.84831	7,284.8
Y_3600_A		209,130	Cts/S	249.05	0.11909	209,130

SG4872-003

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:33:35AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.111	ug/L	0.9226	43.71	-376.3
Al3961_R	W	39,450	ug/L	562.2	1.425	18,410
As1891_A		24.58	ug/L	1.502	6.110	4.330
Au2427_A		0.4087	ug/L	1.225	299.7	41.75
B_2089_A		8.630	ug/L	0.3097	3.589	9.858
Ba4554_R		136.5	ug/L	1.769	1.296	3,934
Be3130_R		1.983	ug/L	0.06693	3.376	-29.27
Ca3158_R		2,471	ug/L	40.29	1.631	1,791
Cd2265_A		1.700	ug/L	0.09166	5.391	50.77
Co2286_A		6.794	ug/L	0.3973	5.848	51.71
Cr2677_A		49.17	ug/L	0.09142	0.1859	657.4
Cu3273_A		36.23	ug/L	0.2889	0.7972	384.8
Fe2599_R	W	63,700	ug/L	1,036	1.626	73,660
K_7664_R		1,756	ug/L	73.29	4.174	750.4
Li6707_R		33.93	ug/L	4.584	13.51	284.9
Mg2025_A		3,530	ug/L	43.57	1.234	560.4
Mn2576_R		617.5	ug/L	12.20	1.975	3,570
Mo2020_A		2.817	ug/L	0.2443	8.672	5.024
Na5895_R		419.7	ug/L	30.57	7.282	351.3
Ni2316_A		31.39	ug/L	0.2857	0.9101	49.69
Pb2203_A	W	1,258	ug/L	10.90	0.8662	1,113
Sb2068_A		1.460	ug/L	1.931	132.3	2.382
Se1960_A		3.843	ug/L	0.4116	10.71	1.427
Si2516_R		3,503	ug/L	25.45	0.7263	999.8
Sn1899_A		27.81	ug/L	0.07815	0.2810	12.39
Sr4215_R		24.90	ug/L	0.3844	1.543	873.8
Ti3349_A	W	3,227	ug/L	1.598	0.04952	77,770
Tl1908_A		1.423	ug/L	0.6069	42.66	-1.146
V_2924_A		186.8	ug/L	0.4417	0.2364	2,441
Zn2062_A		86.92	ug/L	0.5332	0.6135	256.9
Y_3600_R		13,048	Cts/S	127.33	0.97589	13,048
Y_2243_A		7,101.2	Cts/S	38.082	0.53627	7,101.2
Y_3600_A		205,450	Cts/S	637.34	0.31023	205,450

SG4872-004

Method Name: K6010-2011 Method Revision: 827

SG4872-004

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:38:04AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.797	ug/L	0.01293	0.7195	-329.5
Al3961_R	W	35,080	ug/L	162.7	0.4638	16,460
As1891_A		40.67	ug/L	1.082	2.662	9.223
Au2427_A		-0.5888	ug/L	0.2928	49.73	34.42
B_2089_A		13.36	ug/L	0.006462	0.04837	14.12
Ba4554_R		457.3	ug/L	2.784	0.6087	13,290
Be3130_R		2.045	ug/L	0.009251	0.4524	-28.47
Ca3158_R		2,494	ug/L	7.487	0.3002	1,819
Cd2265_A		2.304	ug/L	0.07163	3.109	54.97
Co2286_A		9.577	ug/L	0.4869	5.084	61.97
Cr2677_A		59.15	ug/L	1.205	2.037	786.8
Cu3273_A		96.91	ug/L	3.146	3.247	1,141
Fe2599_R	W	54,780	ug/L	270.6	0.4940	63,720
K_7664_R		2,312	ug/L	14.18	0.6133	991.2
Li6707_R		20.85	ug/L	0.3723	1.786	198.7
Mg2025_A		3,397	ug/L	4.227	0.1244	549.5
Mn2576_R		380.9	ug/L	0.8132	0.2135	2,216
Mo2020_A		4.789	ug/L	0.3436	7.175	8.618
Na5895_R		928.1	ug/L	13.18	1.420	925.0
Ni2316_A		69.63	ug/L	0.1525	0.2190	120.5
Pb2203_A	W	3,750	ug/L	2.124	0.05663	3,384
Sb2068_A		8.213	ug/L	0.2605	3.172	4.467
Se1960_A		3.601	ug/L	1.423	39.50	1.369
Si2516_R		6,638	ug/L	187.5	2.824	1,897
Sn1899_A		37.08	ug/L	0.4605	1.242	16.70
Sr4215_R		58.75	ug/L	0.3020	0.5140	2,113
Ti3349_A	W	3,319	ug/L	114.2	3.442	79,780
Tl1908_A		0.2237	ug/L	0.1857	83.04	-1.592
V_2924_A		230.8	ug/L	7.392	3.203	3,013
Zn2062_A		132.5	ug/L	0.2185	0.1650	398.2
Y_3600_R		13,125	Cts/S	121.87	0.92858	13,125
Y_2243_A		7,235.0	Cts/S	0.49392	0.0068269	7,235.0
Y_3600_A		205,000	Cts/S	3,776.9	1.8424	205,000

SG4872-005

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:42:32AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.081	ug/L	0.6260	20.32	-687.3
Al3961_R	W	134,500	ug/L	2,888	2.148	63,420
As1891_A		31.37	ug/L	2.085	6.649	4.839
Au2427_A		0.2435	ug/L	1.990	817.4	75.57
B_2089_A		9.683	ug/L	0.5544	5.726	10.82
Ba4554_R		178.5	ug/L	2.847	1.595	5,204
Be3130_R		4.602	ug/L	0.1057	2.297	43.00
Ca3158_R		4,224	ug/L	66.69	1.579	3,107
Cd2265_A		1.737	ug/L	0.03541	2.039	78.41
Co2286_A		22.95	ug/L	0.3054	1.331	120.4
Cr2677_A		128.2	ug/L	0.8648	0.6747	1,683
Cu3273_A		50.84	ug/L	0.5621	1.106	497.2
Fe2599_R	W	118,600	ug/L	2,474	2.085	138,600
K_7664_R		4,065	ug/L	139.2	3.425	1,744
Li6707_R		109.0	ug/L	5.903	5.414	796.0
Mg2025_A		12,220	ug/L	100.7	0.8243	1,952
Mn2576_R	W	1,365	ug/L	26.48	1.940	7,975
Mo2020_A		3.476	ug/L	0.2180	6.270	6.188

SG4872-005

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:42:32AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		885.0	ug/L	9.012	1.018	880.5
Ni2316_A		63.57	ug/L	0.09262	0.1457	102.6
Pb2203_A		683.8	ug/L	2.187	0.3198	597.5
Sb2068_A		1.837	ug/L	1.958	106.6	3.685
Se1960_A		1.285	ug/L	3.316	258.2	1.182
Si2516_R		3,745	ug/L	22.62	0.6041	1,079
Sn1899_A		30.25	ug/L	0.3201	1.058	13.53
Sr4215_R		37.66	ug/L	0.3843	1.020	1,351
Ti3349_A	W	5,416	ug/L	69.71	1.287	129,000
Tl1908_A		0.6235	ug/L	0.7219	115.8	-2.857
V_2924_A		307.2	ug/L	3.746	1.219	3,957
Zn2062_A		176.0	ug/L	1.280	0.7273	521.7
Y_3600_R		13,187	Cts/S	150.80	1.1435	13,187
Y_2243_A		7,145.9	Cts/S	25.075	0.35090	7,145.9
Y_3600_A		203,050	Cts/S	400.58	0.19728	203,050

SG4872-006

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:47:00AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		31.16	ug/L	0.5846	1.876	269.5
Al3961_R	W	27,910	ug/L	333.6	1.195	13,050
As1891_A	W	4,253	ug/L	37.04	0.8709	1,197
Au2427_A		0.6704	ug/L	0.2671	39.84	27.25
B_2089_A		20.68	ug/L	0.5870	2.839	20.01
Ba4554_R		557.1	ug/L	3.665	0.6578	16,130
Be3130_R		1.816	ug/L	0.02197	1.209	15.18
Ca3158_R		8,234	ug/L	7.294	0.08858	6,019
Cd2265_A		3.472	ug/L	0.05809	1.673	60.70
Co2286_A		9.284	ug/L	0.1705	1.836	49.60
Cr2677_A		43.39	ug/L	0.07789	0.1795	592.6
Cu3273_A		136.5	ug/L	0.4611	0.3378	1,723
Fe2599_R	W	41,780	ug/L	559.1	1.338	48,400
K_7664_R		1,837	ug/L	85.75	4.668	785.7
Li6707_R		10.35	ug/L	0.1730	1.671	127.5
Mg2025_A		2,382	ug/L	9.433	0.3959	380.0
Mn2576_R		825.3	ug/L	4.707	0.5703	4,779
Mo2020_A		3.742	ug/L	0.2402	6.421	6.678
Na5895_R		821.9	ug/L	16.28	1.981	802.3
Ni2316_A		68.83	ug/L	0.2489	0.3616	118.5
Pb2203_A	F	94,200	ug/L	285.5	0.3030	83,910
Sb2068_A	W	11,960	ug/L	85.37	0.7136	3,729
Se1960_A		6.630	ug/L	1.074	16.20	1.776
Si2516_R		8,613	ug/L	22.05	0.2560	2,449
Sn1899_A		34.12	ug/L	0.04146	0.1215	15.19
Sr4215_R		90.55	ug/L	0.5257	0.5805	3,259
Ti3349_A	W	1,922	ug/L	8.479	0.4412	47,240
Tl1908_A		0.3248	ug/L	0.04790	14.75	-1.159
V_2924_A		166.6	ug/L	0.5499	0.3301	2,201
Zn2062_A		124.0	ug/L	0.6491	0.5236	367.7
Y_3600_R		13,071	Cts/S	156.08	1.1940	13,071
Y_2243_A		7,136.8	Cts/S	2.6651	0.037343	7,136.8
Y_3600_A		209,610	Cts/S	198.58	0.094737	209,610

SG4872-007

Method Name: K6010-2011 Method Revision: 827

SG4872-007

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:51:27AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.200	ug/L	0.3468	10.84	-331.7
Al3961_R	W	36,760	ug/L	586.4	1.595	16,540
As1891_A		70.47	ug/L	2.466	3.499	17.46
Au2427_A		0.06224	ug/L	0.4834	776.7	38.72
B_2089_A		11.70	ug/L	0.6558	5.604	12.54
Ba4554_R		329.7	ug/L	6.915	2.097	9,181
Be3130_R		1.911	ug/L	0.1169	6.120	-34.80
Ca3158_R		4,045	ug/L	109.3	2.703	2,838
Cd2265_A		2.890	ug/L	0.03937	1.362	63.51
Co2286_A		7.387	ug/L	0.1825	2.471	54.31
Cr2677_A		53.90	ug/L	0.7951	1.475	715.8
Cu3273_A		39.03	ug/L	0.7001	1.794	415.8
Fe2599_R	W	59,540	ug/L	1,046	1.757	66,390
K_7664_R		2,499	ug/L	46.60	1.865	1,026
Li6707_R		25.33	ug/L	1.172	4.627	219.3
Mg2025_A		3,735	ug/L	6.624	0.1774	598.2
Mn2576_R		514.9	ug/L	11.76	2.284	2,871
Mo2020_A		3.219	ug/L	0.3677	11.42	5.781
Na5895_R		478.8	ug/L	3.524	0.7360	402.3
Ni2316_A		45.84	ug/L	0.2772	0.6047	76.35
Pb2203_A	W	2,536	ug/L	2.128	0.08390	2,266
Sb2068_A		74.24	ug/L	4.242	5.715	25.14
Se1960_A		0.5077	ug/L	1.502	295.8	0.8623
Si2516_R		5,565	ug/L	189.0	3.397	1,526
Sn1899_A		28.79	ug/L	0.01629	0.05659	12.93
Sr4215_R		46.03	ug/L	0.2677	0.5814	1,581
Ti3349_A	W	3,278	ug/L	3.141	0.09581	78,560
Tl1908_A		0.2113	ug/L	0.08308	39.31	-1.633
V_2924_A		179.9	ug/L	1.081	0.6009	2,341
Zn2062_A		99.61	ug/L	0.06654	0.06680	296.9
Y_3600_R		12,583	Cts/S	261.45	2.0778	12,583
Y_2243_A		7,165.8	Cts/S	2.6099	0.036422	7,165.8
Y_3600_A		204,350	Cts/S	1,686.1	0.82510	204,350

SG4872-008

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:55:54AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.466	ug/L	0.8211	33.29	-412.6
Al3961_R	W	41,060	ug/L	779.5	1.899	19,250
As1891_A		40.35	ug/L	0.8171	2.025	8.628
Au2427_A		2.073	ug/L	0.5463	26.35	46.69
B_2089_A		15.61	ug/L	0.6889	4.414	15.80
Ba4554_R		587.9	ug/L	11.18	1.901	17,070
Be3130_R		3.361	ug/L	0.08803	2.619	29.18
Ca3158_R		9,167	ug/L	173.3	1.890	6,721
Cd2265_A		2.959	ug/L	0.07978	2.696	69.77
Co2286_A		16.17	ug/L	0.05200	0.3215	86.45
Cr2677_A		80.96	ug/L	0.7261	0.8969	1,066
Cu3273_A		106.1	ug/L	0.8272	0.7798	1,224
Fe2599_R	W	71,030	ug/L	1,460	2.055	82,530
K_7664_R		3,822	ug/L	113.0	2.956	1,631
Li6707_R		42.74	ug/L	2.052	4.800	345.7
Mg2025_A		7,369	ug/L	13.76	0.1867	1,175
Mn2576_R	W	1,893	ug/L	38.67	2.042	11,000
Mo2020_A		5.282	ug/L	0.06604	1.250	9.350

SG4872-008

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 12:55:54AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		717.2	ug/L	36.90	5.146	686.8
Ni2316_A		72.50	ug/L	0.2179	0.3005	122.4
Pb2203_A	W	1,799	ug/L	1.248	0.06935	1,599
Sb2068_A		7.564	ug/L	2.113	27.94	4.403
Se1960_A		2.469	ug/L	1.481	59.99	1.373
Si2516_R		3,428	ug/L	50.01	1.459	983.0
Sn1899_A		37.86	ug/L	0.1023	0.2701	16.80
Sr4215_R		96.55	ug/L	2.792	2.892	3,487
Ti3349_A	W	3,902	ug/L	64.20	1.645	92,900
Tl1908_A		2.153	ug/L	1.473	68.41	-2.138
V_2924_A		265.6	ug/L	3.405	1.282	3,388
Zn2062_A		198.1	ug/L	0.4631	0.2338	586.0
Y_3600_R		13,110	Cts/S	74.747	0.57016	13,110
Y_2243_A		7,130.2	Cts/S	4.4216	0.062013	7,130.2
Y_3600_A		202,980	Cts/S	516.58	0.25450	202,980

SG4872-009

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 1:00:23AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.166	ug/L	0.09716	4.486	-219.7
Al3961_R	W	27,190	ug/L	278.9	1.026	12,680
As1891_A		28.08	ug/L	1.164	4.146	5.927
Au2427_A		-0.09598	ug/L	0.2357	245.6	23.36
B_2089_A		17.84	ug/L	0.6226	3.491	17.59
Ba4554_R		493.5	ug/L	4.527	0.9174	14,250
Be3130_R		1.965	ug/L	0.04994	2.542	6.630
Ca3158_R		12,830	ug/L	162.9	1.270	9,367
Cd2265_A		3.335	ug/L	0.07856	2.356	57.41
Co2286_A		10.89	ug/L	0.2481	2.279	57.29
Cr2677_A		51.54	ug/L	0.3344	0.6487	699.5
Cu3273_A		71.75	ug/L	0.1352	0.1884	876.2
Fe2599_R	W	37,490	ug/L	538.5	1.436	43,340
K_7664_R		2,937	ug/L	8.625	0.2937	1,249
Li6707_R		14.55	ug/L	1.813	12.47	155.3
Mg2025_A		3,770	ug/L	41.21	1.093	599.2
Mn2576_R		487.5	ug/L	5.369	1.101	2,817
Mo2020_A		4.312	ug/L	0.1581	3.666	7.662
Na5895_R		695.5	ug/L	11.58	1.665	659.2
Ni2316_A		68.05	ug/L	0.8119	1.193	117.1
Pb2203_A	W	2,442	ug/L	25.49	1.044	2,167
Sb2068_A		8.806	ug/L	0.2112	2.398	4.404
Se1960_A		5.780	ug/L	3.920	67.83	1.707
Si2516_R		4,843	ug/L	35.94	0.7420	1,379
Sn1899_A		38.87	ug/L	0.6401	1.647	17.19
Sr4215_R		111.8	ug/L	1.438	1.286	4,022
Ti3349_A	W	2,329	ug/L	16.24	0.6972	57,050
Tl1908_A		-1.007	ug/L	0.1286	12.77	-1.661
V_2924_A		147.2	ug/L	0.05609	0.03810	1,951
Zn2062_A		330.4	ug/L	3.153	0.9542	974.3
Y_3600_R		13,044	Cts/S	5.9945	0.045956	13,044
Y_2243_A		7,113.2	Cts/S	58.755	0.82600	7,113.2
Y_3600_A		208,900	Cts/S	190.46	0.091169	208,900

SG4872-010

Method Name: K6010-2011 Method Revision: 827

SG4872-010

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 1:04:52AM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.904	ug/L	0.5335	13.67	-964.4
Al3961_R	W	141,300	ug/L	2,736	1.936	66,530
As1891_A		40.44	ug/L	2.107	5.209	6.217
Au2427_A		3.571	ug/L	0.1500	4.200	108.7
B_2089_A		21.03	ug/L	0.2677	1.273	20.28
Ba4554_R		565.7	ug/L	9.056	1.601	16,490
Be3130_R		6.955	ug/L	0.04897	0.7042	164.8
Ca3158_R		24,420	ug/L	429.5	1.759	18,000
Cd2265_A		3.518	ug/L	0.2529	7.187	123.0
Co2286_A		61.67	ug/L	0.8405	1.363	246.9
Cr2677_A		222.8	ug/L	2.388	1.072	2,878
Cu3273_A		98.41	ug/L	0.4817	0.4894	1,049
Fe2599_R	W	171,000	ug/L	3,211	1.877	199,500
K_7664_R		12,470	ug/L	278.2	2.231	5,321
Li6707_R		214.2	ug/L	5.374	2.509	1,505
Mg2025_A	W	37,150	ug/L	320.2	0.8620	5,915
Mn2576_R	W	4,252	ug/L	76.03	1.788	24,790
Mo2020_A		4.094	ug/L	0.1118	2.732	7.262
Na5895_R		994.5	ug/L	5.987	0.6020	1,002
Ni2316_A		147.1	ug/L	0.4314	0.2932	246.3
Pb2203_A		352.4	ug/L	3.819	1.084	301.2
Sb2068_A		2.686	ug/L	0.5301	19.74	4.600
Se1960_A		1.690	ug/L	2.336	138.2	1.677
Si2516_R		3,625	ug/L	10.02	0.2764	1,041
Sn1899_A		30.70	ug/L	0.9611	3.131	13.68
Sr4215_R		147.0	ug/L	2.757	1.875	5,346
Ti3349_A	W	6,002	ug/L	97.74	1.628	140,800
Tl1908_A		0.7528	ug/L	2.855	379.3	-5.225
V_2924_A		332.7	ug/L	4.910	1.476	4,132
Zn2062_A		535.1	ug/L	3.575	0.6681	1,579
Y_3600_R		13,161	Cts/S	49.414	0.37547	13,161
Y_2243_A		7,124.5	Cts/S	45.503	0.63869	7,124.5
Y_3600_A		199,910	Cts/S	1,008.1	0.50427	199,910

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 1:09:19AM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		478.0	ug/L	0.5884	0.1231	7,836
Al3961_R		12,020	ug/L	255.3	2.123	5,354
As1891_A		489.0	ug/L	4.413	0.9024	131.2
Au2427_A		502.4	ug/L	5.040	1.003	1,453
B_2089_A		499.5	ug/L	5.977	1.197	419.1
Ba4554_R		493.3	ug/L	7.489	1.518	13,580
Be3130_R		490.1	ug/L	10.93	2.230	28,770
Ca3158_R		12,830	ug/L	215.9	1.683	8,933
Cd2265_A		517.9	ug/L	5.941	1.147	5,864
Co2286_A		512.4	ug/L	5.261	1.027	1,549
Cr2677_A		507.1	ug/L	0.6018	0.1187	6,414
Cu3273_A		505.8	ug/L	0.3338	0.06599	6,103
Fe2599_R		12,240	ug/L	255.9	2.090	13,500
K_7664_R		12,300	ug/L	144.4	1.174	4,963
Li6707_R		486.3	ug/L	7.163	1.473	3,159
Mg2025_A		13,130	ug/L	127.7	0.9732	2,025
Mn2576_R		498.4	ug/L	10.27	2.061	2,744
Mo2020_A		521.7	ug/L	6.863	1.316	879.9

CCV

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 1:09:19AM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		12,250	ug/L	197.1	1.609	12,940
Ni2316_A		499.4	ug/L	4.232	0.8474	852.9
Pb2203_A		522.2	ug/L	6.168	1.181	445.0
Sb2068_A		493.8	ug/L	5.535	1.121	148.8
Se1960_A		492.8	ug/L	4.966	1.008	79.52
Si2516_R		12,460	ug/L	282.8	2.270	3,368
Sn1899_A		521.2	ug/L	5.006	0.9604	217.4
Sr4215_R		481.6	ug/L	9.360	1.944	16,610
Ti3349_A		488.6	ug/L	0.5222	0.1069	11,250
Tl1908_A		510.0	ug/L	4.243	0.8320	212.5
V_2924_A		487.9	ug/L	0.1098	0.02251	5,980
Zn2062_A		503.1	ug/L	4.479	0.8903	1,426
Y_3600_R		12,436	Cts/S	86.178	0.69299	12,436
Y_2243_A		6,846.7	Cts/S	33.186	0.48470	6,846.7
Y_3600_A		196,590	Cts/S	281.70	0.14329	196,590

CCB

Method Name: K6010-2011 Method Revision: 827
Analyst Name: NAT
Acquire Date: 7/13/2013 1:13:41AM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5040	ug/L	0.6480	128.6	-9.815
Al3961_R		5.946	ug/L	5.722	96.23	-2.379
As1891_A		0.3098	ug/L	0.02200	7.103	-0.9837
Au2427_A		0.02920	ug/L	0.4780	1,637	0.6496
B_2089_A		0.7714	ug/L	0.4699	60.92	3.246
Ba4554_R		0.4270	ug/L	0.2750	64.41	0.7900
Be3130_R		0.04712	ug/L	0.02715	57.61	-16.13
Ca3158_R		10.43	ug/L	9.378	89.93	-8.023
Cd2265_A		-0.04673	ug/L	0.09791	209.5	-1.422
Co2286_A		0.1231	ug/L	0.1877	152.5	5.497
Cr2677_A		0.1927	ug/L	0.1045	54.20	8.033
Cu3273_A		0.3602	ug/L	0.4784	132.8	42.96
Fe2599_R		1.757	ug/L	4.006	228.1	9.731
K_7664_R		-72.33	ug/L	13.25	18.31	-21.38
Li6707_R		0.7716	ug/L	1.964	254.6	60.95
Mg2025_A		0.7932	ug/L	7.545	951.3	-0.4895
Mn2576_R		-0.07850	ug/L	0.4336	552.3	-1.960
Mo2020_A		1.583	ug/L	0.4126	26.06	2.888
Na5895_R		11.24	ug/L	10.62	94.55	-102.0
Ni2316_A		0.1281	ug/L	0.1956	152.8	-0.2047
Pb2203_A		-0.7257	ug/L	0.7547	104.0	0.01968
Sb2068_A		-0.2290	ug/L	1.153	503.7	1.182
Se1960_A		-1.416	ug/L	0.4856	34.29	0.3987
Si2516_R		11.94	ug/L	2.474	20.72	13.71
Sn1899_A		-0.6296	ug/L	0.4380	69.56	0.1050
Sr4215_R		0.09741	ug/L	0.4031	413.9	-24.21
Ti3349_A		0.5814	ug/L	0.09195	15.82	-7.581
Tl1908_A		1.703	ug/L	0.1999	11.74	0.9947
V_2924_A		-0.4834	ug/L	0.3679	76.12	-9.524
Zn2062_A		0.2793	ug/L	0.07501	26.86	2.369
Y_3600_R		12,603	Cts/S	15.877	0.12598	12,603
Y_2243_A		7,030.1	Cts/S	4.8489	0.068973	7,030.1
Y_3600_A		204,410	Cts/S	12.107	0.0059228	204,410

PQL

Method Name: K6010-2011 Method Revision: 827

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Thermo ICAP 6500 **ANALYST:** NT **ANALYSIS DATE:** 7/~~16~~/13
15 NT 7/16/13

FILE NAME: I6615A

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

REVIEWED
EA 07-16-13
KATAHDIN ANALYTICAL
METALS SECTION

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal Blk, ICB, CCB	MW14314	7/9/13	7/9/14	0ug/L
Cal Std	MW14306	7/8/13	10/3/13	varies by
ICV	MW14315	7/10/13	10/10/13	element
PQL	MW14305	7/8/13	10/3/13	↓
ICSA	MW14289	6/26/13	9/26/13	↓
ICSAB	MW14262	6/5/13	9/5/13	↓
CCV	MW14304	7/8/13	10/3/13	✓
internal Std	MW14318	7/15/13	10/15/13	5 mg/L Y

Additional Comments and Notes:

NT 7/16/13

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG15A	7/15/2013	14:14	NAT
Std 1	1.000	IGG15A	7/15/2013	14:19	NAT
ICV	1.000	IGG15A	7/15/2013	14:23	NAT
ICB	1.000	IGG15A	7/15/2013	14:27	NAT
PQL	1.000	IGG15A	7/15/2013	14:32	NAT
LRS1	1.000	IGG15A	7/15/2013	14:36	NAT
LRS2	1.000	IGG15A	7/15/2013	14:41	NAT
ICSA	1.000	IGG15A	7/15/2013	14:50	NAT
ICSAB	1.000	IGG15A	7/15/2013	14:55	NAT
CCV	1.000	IGG15A	7/15/2013	14:59	NAT
CCB	1.000	IGG15A	7/15/2013	15:04	NAT
SG4789-009A	1.000	IGG15A	7/15/2013	15:08	NAT
SG4836-008A	1.000	IGG15A	7/15/2013	15:12	NAT
SG4771-001A	1.000	IGG15A	7/15/2013	15:17	NAT
SG4770-001A	1.000	IGG15A	7/15/2013	15:21	NAT
SG4782-001A	1.000	IGG15A	7/15/2013	15:26	NAT
SG4884-001	1.000	IGG15A	7/15/2013	15:30	NAT
SG4743-002	1.000	IGG15A	7/15/2013	15:34	NAT
LCSWGG11ICW1	1.000	IGG15A	7/15/2013	15:39	NAT
PBWGG11ICW1	1.000	IGG15A	7/15/2013	15:43	NAT
SG4794-001	1.000	IGG15A	7/15/2013	15:48	NAT
CCV	1.000	IGG15A	7/15/2013	15:52	NAT
CCB	1.000	IGG15A	7/15/2013	15:57	NAT
SG4794-002	1.000	IGG15A	7/15/2013	16:01	NAT
SG4782-001L	5.000	IGG15A	7/15/2013	16:06	NAT
SG4782-007	2.000	IGG15A	7/15/2013	16:10	NAT
SG4791-001	5.000	IGG15A	7/15/2013	16:15	NAT
SG4872-006	10.00	IGG15A	7/15/2013	16:19	NAT
LCSWGG12ICW1	1.000	IGG15A	7/15/2013	16:24	NAT
PBWGG12ICW1	1.000	IGG15A	7/15/2013	16:28	NAT
SG4834-001R	1.000	IGG15A	7/15/2013	16:33	NAT
SG4837-001T	1.000	IGG15A	7/15/2013	16:37	NAT
SG4838-001	1.000	IGG15A	7/15/2013	16:42	NAT
CCV	1.000	IGG15A	7/15/2013	16:46	NAT
CCB	1.000	IGG15A	7/15/2013	16:51	NAT
SG4838-002	1.000	IGG15A	7/15/2013	16:55	NAT
SG4838-003	1.000	IGG15A	7/15/2013	17:00	NAT
SG4838-004	1.000	IGG15A	7/15/2013	17:04	NAT
SG4874-001	1.000	IGG15A	7/15/2013	17:09	NAT
SG4874-002	1.000	IGG15A	7/15/2013	17:13	NAT
SG4874-002L	5.000	IGG15A	7/15/2013	17:18	NAT
SG4874-002A	1.000	IGG15A	7/15/2013	17:22	NAT
SG4874-002P	1.000	IGG15A	7/15/2013	17:27	NAT
SG4874-002S	1.000	IGG15A	7/15/2013	17:31	NAT

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SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG4874-003	1.000	IGG15A	7/15/2013	17:35	NAT
CCV	1.000	IGG15A	7/15/2013	17:40	NAT
CCB	1.000	IGG15A	7/15/2013	17:44	NAT
PBWGG15ICW1	1.000	IGG15A	7/15/2013	17:49	NAT
LCSWGG15ICW1	1.000	IGG15A	7/15/2013	17:53	NAT
SG4845-001	1.000	IGG15A	7/15/2013	17:58	NAT
SG4856-001	1.000	IGG15A	7/15/2013	18:02	NAT
SG4857-002	1.000	IGG15A	7/15/2013	18:07	NAT
SG4865-001	1.000	IGG15A	7/15/2013	18:11	NAT
PBWGG15ICW2	1.000	IGG15A	7/15/2013	18:16	NAT
LCSWGG15ICW2	1.000	IGG15A	7/15/2013	18:20	NAT
SG4839-001	1.000	IGG15A	7/15/2013	18:25	NAT
SG4839-001L	5.000	IGG15A	7/15/2013	18:29	NAT
CCV	1.000	IGG15A	7/15/2013	18:34	NAT
CCB	1.000	IGG15A	7/15/2013	18:38	NAT
SG4839-001A	1.000	IGG15A	7/15/2013	18:42	NAT
SG4839-001S	1.000	IGG15A	7/15/2013	18:47	NAT
SG4839-001P	1.000	IGG15A	7/15/2013	18:51	NAT
SG4839-002	1.000	IGG15A	7/15/2013	18:56	NAT
SG4839-003	1.000	IGG15A	7/15/2013	19:00	NAT
SG4839-004	1.000	IGG15A	7/15/2013	19:05	NAT
SG4839-006	1.000	IGG15A	7/15/2013	19:09	NAT
SG4839-007	1.000	IGG15A	7/15/2013	19:14	NAT
SG4839-008	1.000	IGG15A	7/15/2013	19:18	NAT
SG4839-009	1.000	IGG15A	7/15/2013	19:23	NAT
CCV	1.000	IGG15A	7/15/2013	19:27	NAT
CCB	1.000	IGG15A	7/15/2013	19:32	NAT
SG4881-001T	1.000	IGG15A	7/15/2013	19:36	NAT
SG4940-001	1.000	IGG15A	7/15/2013	19:41	NAT
PBSGG15ICS1	1.000	IGG15A	7/15/2013	19:45	NAT
LCSOGG15ICS1	1.000	IGG15A	7/15/2013	19:50	NAT
SG4773-001	1.000	IGG15A	7/15/2013	19:54	NAT
SG4773-003	1.000	IGG15A	7/15/2013	19:59	NAT
SG4810-001	1.000	IGG15A	7/15/2013	20:03	NAT
SG4823-001	1.000	IGG15A	7/15/2013	20:08	NAT
SG4872-011	1.000	IGG15A	7/15/2013	20:12	NAT
SG4872-012	1.000	IGG15A	7/15/2013	20:17	NAT
CCV	1.000	IGG15A	7/15/2013	20:21	NAT
CCB	1.000	IGG15A	7/15/2013	20:26	NAT
SG4872-013	1.000	IGG15A	7/15/2013	20:30	NAT
SG4872-013L	5.000	IGG15A	7/15/2013	20:35	NAT
SG4872-013A	1.000	IGG15A	7/15/2013	20:39	NAT
SG4872-013S	1.000	IGG15A	7/15/2013	20:43	NAT
SG4872-013P	1.000	IGG15A	7/15/2013	20:48	NAT
SG4872-014	1.000	IGG15A	7/15/2013	20:52	NAT
SG4872-015	1.000	IGG15A	7/15/2013	20:57	NAT
SG4872-016	1.000	IGG15A	7/15/2013	21:01	NAT

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG4872-017	1.000	IGG15A	7/15/2013	21:06	NAT
SG4872-018	1.000	IGG15A	7/15/2013	21:10	NAT
CCV	1.000	IGG15A	7/15/2013	21:15	NAT
CCB	1.000	IGG15A	7/15/2013	21:19	NAT
SG4872-019	1.000	IGG15A	7/15/2013	21:24	NAT
SG4872-020	1.000	IGG15A	7/15/2013	21:28	NAT
SG4903-001	1.000	IGG15A	7/15/2013	21:33	NAT
SG4922-001	1.000	IGG15A	7/15/2013	21:37	NAT
SG4782-001A	1.000	IGG15A	7/15/2013	21:42	NAT
CCV	1.000	IGG15A	7/15/2013	21:46	NAT
CCB	1.000	IGG15A	7/15/2013	21:50	NAT
PQL	1.000	IGG15A	7/15/2013	21:55	NAT
ICSA	1.000	IGG15A	7/15/2013	21:59	NAT
ICSAB	1.000	IGG15A	7/15/2013	22:04	NAT
CCV	1.000	IGG15A	7/15/2013	22:08	NAT
CCB	1.000	IGG15A	7/15/2013	22:13	NAT

Intensity Report

Author:

Published: 7/16/2013 8:15:00AM

Notes:

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Method Name: K6010-2011 Method Revision: 830

Analyst Name: NAT

Acquire Date: 7/15/2013 2:14:47PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.00006728	Cts/S	0.00001401	20.82	-13.89
Al3961_R		-0.0007374	Cts/S	0.00003952	5.359	-9.006
As1891_A		-0.0001556	Cts/S	0.00003909	25.12	-1.096
Au2427_A		0.0002289	Cts/S	0.00008901	38.88	1.610
B_2089_A		0.0007027	Cts/S	0.00002208	3.142	4.947
Ba4554_R		0.0008194	Cts/S	0.0007991	97.53	10.06
Be3130_R		-0.001579	Cts/S	0.0001071	6.784	-19.27
Ca3158_R		-0.001036	Cts/S	0.00009029	8.719	-12.64
Cd2265_A		-0.0002653	Cts/S	0.00002565	9.668	-1.868
Co2286_A		0.0008428	Cts/S	0.00005446	6.462	5.933
Cr2677_A		0.000009784	Cts/S	0.000006828	69.79	2.016
Cu3273_A		0.0001864	Cts/S	0.00001873	10.05	38.46
Fe2599_R		0.0005630	Cts/S	0.00009635	17.11	6.866
K_7664_R		-0.003955	Cts/S	0.0002126	5.376	-48.30
Li6707_R		0.005535	Cts/S	0.0007222	13.05	67.62
Mg2025_A		-0.0001292	Cts/S	0.00008939	69.17	-0.9081
Mn2576_R		0.00009162	Cts/S	0.0003522	384.4	1.094
Mo2020_A		0.0007922	Cts/S	0.0001046	13.20	5.579
Na5895_R		-0.008640	Cts/S	0.0004990	5.776	-105.5
Ni2316_A		-0.00005687	Cts/S	0.00004746	83.45	-0.3995
Pb2203_A		0.00006471	Cts/S	0.0001280	197.8	0.4531
Sb2068_A		0.0002752	Cts/S	0.00002557	9.292	1.938
Se1960_A		0.00004782	Cts/S	0.00002411	50.41	0.3362
Si2516_R		0.001057	Cts/S	0.00005656	5.352	12.91
Sn1899_A		0.00005209	Cts/S	0.0001054	202.4	0.3687
Sr4215_R		-0.002896	Cts/S	0.0008851	30.57	-35.29
Ti3349_A		-0.00007615	Cts/S	0.00003333	43.77	-15.70
Tl1908_A		0.000004424	Cts/S	0.00001076	243.2	0.03094
V_2924_A		-0.00002742	Cts/S	0.000003966	14.46	-5.660
Zn2062_A		0.0002323	Cts/S	0.00002062	8.876	1.635
Y_3600_R		12,209	Cts/S	141.14	1.1560	12,209
Y_2243_A		7,040.1	Cts/S	38.100	0.54119	7,040.1
Y_3600_A		206,340	Cts/S	820.94	0.39786	206,340

Std 1

Method Name: K6010-2011 Method Revision: 830

Analyst Name: NAT

Acquire Date: 7/15/2013 2:19:16PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.08143	Cts/S	0.0002622	0.3220	16,510
Al3961_R		0.8670	Cts/S	0.009807	1.131	10,600
As1891_A		0.03868	Cts/S	0.0003538	0.9146	272.4
Au2427_A		0.4090	Cts/S	0.004387	1.073	2,880
B_2089_A		0.1202	Cts/S	0.0001627	0.1353	846.6
Ba4554_R		2.193	Cts/S	0.01804	0.8226	26,820
Be3130_R		4.591	Cts/S	0.05830	1.270	56,130
Ca3158_R		1.352	Cts/S	0.009423	0.6971	16,530
Cd2265_A		1.620	Cts/S	0.003914	0.2416	11,410
Co2286_A		0.4334	Cts/S	0.0007593	0.1752	3,052
Cr2677_A		0.06266	Cts/S	0.0001387	0.2214	12,710
Cu3273_A		0.05949	Cts/S	0.0001415	0.2379	12,060
Fe2599_R		2.124	Cts/S	0.02878	1.355	25,970

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Std 1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:19:16PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		0.7995	Cts/S	0.005873	0.7345	9,776
Li6707_R		0.5164	Cts/S	0.002776	0.5376	6,314
Mg2025_A		0.5498	Cts/S	0.001313	0.2388	3,872
Mn2576_R		0.4226	Cts/S	0.004154	0.9830	5,167
Mo2020_A		0.2426	Cts/S	0.001486	0.6125	1,708
Na5895_R		2.118	Cts/S	0.01401	0.6616	25,900
Ni2316_A		0.2470	Cts/S	0.0003335	0.1350	1,740
Pb2203_A		0.1220	Cts/S	0.00006043	0.04953	859.3
Sb2068_A		0.04338	Cts/S	0.0001856	0.4278	305.5
Se1960_A		0.02293	Cts/S	0.00003710	0.1618	161.5
Si2516_R		0.5398	Cts/S	0.005258	0.9740	6,600
Sn1899_A		0.05946	Cts/S	0.00008432	0.1418	418.8
Sr4215_R		2.731	Cts/S	0.02876	1.053	33,390
Ti3349_A		0.1130	Cts/S	0.0003994	0.3535	22,910
Tl1908_A		0.05936	Cts/S	0.0001261	0.2125	418.1
V_2924_A		0.06022	Cts/S	0.0001475	0.2449	12,210
Zn2062_A		0.4046	Cts/S	0.0005673	0.1402	2,849
Y_3600_R		12,228	Cts/S	105.78	0.86506	12,228
Y_2243_A		7,042.5	Cts/S	1.1192	0.015892	7,042.5
Y_3600_A		202,790	Cts/S	804.32	0.39664	202,790

ICV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:23:34PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		396.6	ug/L	2.054	0.5179	6,623
Al3961_R		9,852	ug/L	49.91	0.5066	4,197
As1891_A		391.6	ug/L	1.121	0.2863	107.4
Au2427_A		391.6	ug/L	0.09311	0.02378	1,144
B_2089_A		391.1	ug/L	0.3556	0.09092	339.0
Ba4554_R		404.7	ug/L	3.410	0.8427	10,920
Be3130_R		397.4	ug/L	2.371	0.5966	22,430
Ca3158_R		10,440	ug/L	131.3	1.258	6,935
Cd2265_A		388.7	ug/L	0.7941	0.2043	4,495
Co2286_A		400.4	ug/L	1.699	0.4242	1,242
Cr2677_A		399.3	ug/L	1.560	0.3907	5,139
Cu3273_A		401.2	ug/L	0.1178	0.02937	4,924
Fe2599_R		10,040	ug/L	66.12	0.6584	10,500
K_7664_R		13,500	ug/L	35.71	0.2645	5,289
Li6707_R		393.9	ug/L	4.758	1.208	2,543
Mg2025_A		9,898	ug/L	40.80	0.4122	1,553
Mn2576_R		400.4	ug/L	3.991	0.9969	2,082
Mo2020_A		401.8	ug/L	0.07057	0.01756	699.0
Na5895_R		10,110	ug/L	31.13	0.3078	10,480
Ni2316_A		398.7	ug/L	1.754	0.4400	702.7
Pb2203_A		400.7	ug/L	1.287	0.3212	349.3
Sb2068_A		387.4	ug/L	2.375	0.6132	121.1
Se1960_A		392.9	ug/L	1.001	0.2548	64.51
Si2516_R	W	9,336	ug/L	47.20	0.5056	2,488
Sn1899_A		396.4	ug/L	0.1653	0.04171	168.5
Sr4215_R		397.0	ug/L	2.420	0.6097	13,310
Ti3349_A		397.5	ug/L	0.3250	0.08177	9,212
Tl1908_A		401.4	ug/L	0.03750	0.009342	170.1
V_2924_A		400.5	ug/L	0.1265	0.03159	4,949
Zn2062_A		397.1	ug/L	1.420	0.3577	1,148
Y_3600_R		12,300	Cts/S	169.40	1.3772	12,300

ICV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:23:34PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		7,137.2	Cts/S	19.538	0.27375	7,137.2
Y_3600_A		205,340	Cts/S	434.12	0.21141	205,340

ICB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:27:55PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.07253	ug/L	0.8223	1,134	-15.41
Al3961_R		-9.905	ug/L	10.30	104.0	-13.33
As1891_A		-0.1414	ug/L	0.6375	450.9	-1.178
Au2427_A		-0.5786	ug/L	0.5510	95.23	-0.03851
B_2089_A		-0.3269	ug/L	0.8063	246.6	4.885
Ba4554_R		0.1733	ug/L	0.1011	58.31	14.80
Be3130_R		-0.02427	ug/L	0.002480	10.22	-20.86
Ca3158_R		-4.549	ug/L	10.58	232.6	-15.82
Cd2265_A		0.03763	ug/L	0.06678	177.5	-1.502
Co2286_A		-0.1516	ug/L	0.04045	26.68	5.694
Cr2677_A		0.7043	ug/L	0.2248	31.91	11.31
Cu3273_A		0.3817	ug/L	0.1385	36.29	43.90
Fe2599_R		0.8264	ug/L	0.8553	103.5	7.815
K_7664_R		22.22	ug/L	52.25	235.1	-40.00
Li6707_R		1.027	ug/L	0.2820	27.47	74.79
Mg2025_A		5.627	ug/L	2.618	46.52	-0.05420
Mn2576_R		0.05880	ug/L	0.00002217	0.03770	1.438
Mo2020_A		0.3051	ug/L	0.3225	105.7	6.346
Na5895_R		15.78	ug/L	4.655	29.49	-90.08
Ni2316_A		0.3279	ug/L	0.007078	2.158	0.1776
Pb2203_A		0.2978	ug/L	1.457	489.3	0.7492
Sb2068_A		-1.360	ug/L	0.4344	31.94	1.591
Se1960_A		1.706	ug/L	0.3681	21.58	0.6361
Si2516_R		-6.401	ug/L	10.14	158.4	11.34
Sn1899_A		-0.3841	ug/L	0.2535	65.99	0.2137
Sr4215_R		0.2561	ug/L	0.1828	71.40	-27.10
Ti3349_A		0.1272	ug/L	0.2343	184.2	-12.95
Tl1908_A		1.988	ug/L	0.7470	37.56	0.8997
V_2924_A		0.2089	ug/L	0.5297	253.5	-3.138
Zn2062_A		-0.05355	ug/L	0.1500	280.0	1.537
Y_3600_R		12,343	Cts/S	0.96022	0.0077792	12,343
Y_2243_A		7,324.0	Cts/S	86.251	1.1776	7,324.0
Y_3600_A		209,970	Cts/S	856.26	0.40780	209,970

PQL

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:32:27PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.09	ug/L	0.3932	3.898	160.4
Al3961_R		297.5	ug/L	13.87	4.662	119.0
As1891_A		6.460	ug/L	0.6333	9.804	0.6911
Au2427_A		101.2	ug/L	1.033	1.020	299.5
B_2089_A		49.22	ug/L	0.8173	1.660	46.32
Ba4554_R		5.389	ug/L	0.2186	4.055	156.9
Be3130_R		5.105	ug/L	0.09708	1.902	271.2
Ca3158_R		105.2	ug/L	2.705	2.572	57.82
Cd2265_A		5.138	ug/L	0.05323	1.036	58.27
Co2286_A		10.30	ug/L	0.06310	0.6124	38.35

PQL

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:32:27PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		10.44	ug/L	0.02148	0.2057	140.2
Cu3273_A		26.35	ug/L	0.3969	1.506	369.8
Fe2599_R		100.8	ug/L	3.614	3.585	113.3
K_7664_R		1,015	ug/L	50.13	4.939	355.8
Li6707_R		104.3	ug/L	2.599	2.492	730.0
Mg2025_A		104.9	ug/L	3.578	3.412	15.95
Mn2576_R		5.370	ug/L	0.9727	18.11	29.33
Mo2020_A		8.623	ug/L	0.3756	4.356	20.80
Na5895_R		1,064	ug/L	5.715	0.5371	1,017
Ni2316_A		10.96	ug/L	0.1911	1.744	19.18
Pb2203_A		4.423	ug/L	0.1577	3.566	4.336
Sb2068_A	W	6.325	ug/L	0.3396	5.369	3.676
Se1960_A		10.59	ug/L	2.072	19.56	2.098
Si2516_R		167.6	ug/L	3.190	1.903	57.99
Sn1899_A		103.7	ug/L	1.677	1.617	44.94
Sr4215_R		10.32	ug/L	0.2133	2.067	314.4
Ti3349_A		14.99	ug/L	0.1331	0.8877	341.9
Tl1908_A		17.73	ug/L	0.06517	0.3676	7.647
V_2924_A		10.16	ug/L	0.5920	5.824	123.9
Zn2062_A		20.27	ug/L	0.1191	0.5877	60.97
Y_3600_R		12,416	Cts/S	135.84	1.0940	12,416
Y_2243_A		7,229.4	Cts/S	30.622	0.42358	7,229.4
Y_3600_A		211,250	Cts/S	203.79	0.096469	211,250

LRS1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:36:58PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	F	2,234	ug/L	0.5694	0.02549	36,330
Al3961_R		-27.70	ug/L	12.59	45.43	350.2
As1891_A		20,520	ug/L	202.2	0.9855	5,329
Au2427_A	W	21,380	ug/L	106.0	0.4957	58,010
B_2089_A		20,250	ug/L	160.0	0.7900	16,150
Ba4554_R		19,580	ug/L	92.37	0.4716	525,600
Be3130_R		19,430	ug/L	231.0	1.189	1,092,000
Ca3158_R		87.76	ug/L	2.350	2.678	31.24
Cd2265_A		19,280	ug/L	183.7	0.9527	208,300
Co2286_A		19,710	ug/L	187.9	0.9534	56,890
Cr2677_A		19,550	ug/L	25.20	0.1289	243,200
Cu3273_A		19,720	ug/L	2.800	0.01420	232,200
Fe2599_R		1.549	ug/L	0.8486	54.79	8.506
K_7664_R		21.98	ug/L	47.72	217.1	-39.63
Li6707_R		19,170	ug/L	45.09	0.2351	120,000
Mg2025_A		200,200	ug/L	1,585	0.7919	29,770
Mn2576_R		20,480	ug/L	39.48	0.1928	105,900
Mo2020_A		19,740	ug/L	164.9	0.8353	31,860
Na5895_R		102.1	ug/L	8.514	8.338	0.5151
Ni2316_A		19,660	ug/L	195.5	0.9946	32,450
Pb2203_A		20,170	ug/L	179.4	0.8892	16,470
Sb2068_A		20,590	ug/L	192.9	0.9371	5,919
Se1960_A		20,240	ug/L	187.3	0.9251	3,091
Si2516_R		-15.18	ug/L	9.892	65.15	74.38
Sn1899_A		20,020	ug/L	191.3	0.9554	7,941
Sr4215_R		19,510	ug/L	381.5	1.955	652,700
Ti3349_A		19,650	ug/L	289.5	1.473	441,000
Tl1908_A		19,790	ug/L	174.8	0.8834	7,841

LRS1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:36:58PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A		20,050	ug/L	38.18	0.1904	239,800
Zn2062_A	W	18,910	ug/L	194.8	1.030	51,030
Y_3600_R		12,239	Cts/S	165.31	1.3507	12,239
Y_2243_A		6,675.1	Cts/S	51.400	0.77002	6,675.1
Y_3600_A		198,510	Cts/S	729.12	0.36730	198,510

LRS2

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:41:40PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-6.558	ug/L	0.4183	6.379	-1,293
Al3961_R		517,900	ug/L	194.9	0.03764	215,700
As1891_A		14.31	ug/L	5.071	35.43	-2.984
Au2427_A		11.25	ug/L	2.740	24.36	173.0
B_2089_A		35.69	ug/L	5.107	14.31	32.25
Ba4554_R		3.855	ug/L	0.4714	12.23	111.5
Be3130_R		1.137	ug/L	0.1480	13.02	43.10
Ca3158_R		500,000	ug/L	5,502	1.100	325,200
Cd2265_A		1.020	ug/L	0.08995	8.819	120.6
Co2286_A		1.125	ug/L	0.05534	4.918	14.80
Cr2677_A		-0.06036	ug/L	0.3770	624.6	5.891
Cu3273_A		-3.595	ug/L	0.5276	14.67	41.01
Fe2599_R		240,500	ug/L	624.1	0.2595	245,500
K_7664_R		296,000	ug/L	398.8	0.1347	114,300
Li6707_R		15.30	ug/L	2.759	18.03	160.5
Mg2025_A		194,500	ug/L	288.2	0.1482	27,360
Mn2576_R		8.933	ug/L	0.5825	6.521	63.06
Mo2020_A		41.99	ug/L	10.26	24.43	70.64
Na5895_R		189,300	ug/L	415.0	0.2192	193,500
Ni2316_A		3.368	ug/L	0.6054	17.97	-13.65
Pb2203_A		1.066	ug/L	2.234	209.6	-48.34
Sb2068_A		18.05	ug/L	7.048	39.06	9.697
Se1960_A		12.56	ug/L	4.262	33.92	3.380
Si2516_R	W	90,340	ug/L	322.9	0.3574	23,400
Sn1899_A		6.297	ug/L	0.5223	8.293	2.751
Sr4215_R		5.282	ug/L	0.1647	3.118	138.8
Ti3349_A		18.88	ug/L	0.8922	4.725	358.0
Tl1908_A		4.150	ug/L	0.3732	8.992	3.127
V_2924_A		0.6471	ug/L	0.1453	22.45	15.16
Zn2062_A		114.8	ug/L	0.3830	0.3335	301.5
Y_3600_R		12,022	Cts/S	18.297	0.15220	12,022
Y_2243_A		6,454.2	Cts/S	0.33780	0.0052338	6,454.2
Y_3600_A		173,840	Cts/S	661.48	0.38051	173,840

ICSA

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:50:41PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-2.427	ug/L	1.708	70.40	-976.0
Al3961_R		478,800	ug/L	12,900	2.695	200,300
As1891_A		-0.04936	ug/L	1.364	2,764	-5.272
Au2427_A		-0.4782	ug/L	0.7845	164.1	107.3
B_2089_A		8.168	ug/L	0.4195	5.136	10.54
Ba4554_R		0.1878	ug/L	0.3581	190.7	14.80
Be3130_R		0.03884	ug/L	0.1217	313.2	-17.03

ICSA

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:50:41PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		476,500	ug/L	25,150	5.279	311,200
Cd2265_A		0.04491	ug/L	0.2708	603.0	82.82
Co2286_A		-1.870	ug/L	0.3917	20.94	4.848
Cr2677_A		0.4523	ug/L	0.2059	45.52	10.59
Cu3273_A		-1.762	ug/L	0.2094	11.89	60.67
Fe2599_R		183,200	ug/L	4,775	2.607	187,800
K_7664_R		131.6	ug/L	5.481	4.166	3.290
Li6707_R		11.58	ug/L	0.2822	2.437	138.3
Mg2025_A		461,900	ug/L	3,847	0.8328	64,190
Mn2576_R		0.5696	ug/L	0.1847	32.43	17.15
Mo2020_A		2.152	ug/L	0.3329	15.47	8.370
Na5895_R		80.09	ug/L	4.547	5.678	-22.09
Ni2316_A		-0.1011	ug/L	0.5037	498.3	-14.61
Pb2203_A		0.6116	ug/L	2.049	335.1	-45.36
Sb2068_A		4.455	ug/L	2.537	56.95	5.496
Se1960_A		0.2981	ug/L	1.978	663.5	1.322
Si2516_R		0.8246	ug/L	17.56	2,129	9.797
Sn1899_A		3.476	ug/L	0.4177	12.01	1.649
Sr4215_R		2.441	ug/L	0.04340	1.778	45.60
Ti3349_A		4.385	ug/L	0.6673	15.22	74.83
Tl1908_A		1.637	ug/L	1.304	79.67	2.079
V_2924_A		0.2253	ug/L	0.2878	127.7	10.58
Zn2062_A		8.195	ug/L	0.05521	0.6737	22.63
Y_3600_R		12,075	Cts/S	159.59	1.3217	12,075
Y_2243_A		6,375.8	Cts/S	30.585	0.47971	6,375.8
Y_3600_A		178,460	Cts/S	355.09	0.19897	178,460

ICSAB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:55:14PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		223.6	ug/L	0.6046	0.2704	2,257
Al3961_R		490,700	ug/L	8,583	1.749	202,700
As1891_A		100.6	ug/L	2.514	2.499	20.03
Au2427_A		518.7	ug/L	14.32	2.760	1,473
B_2089_A		491.9	ug/L	10.84	2.203	383.7
Ba4554_R		504.8	ug/L	6.109	1.210	13,210
Be3130_R		498.4	ug/L	8.619	1.729	27,270
Ca3158_R		480,200	ug/L	14,270	2.971	309,800
Cd2265_A		938.8	ug/L	24.10	2.568	9,894
Co2286_A		459.1	ug/L	11.60	2.527	1,293
Cr2677_A		515.1	ug/L	7.830	1.520	5,614
Cu3273_A		533.3	ug/L	7.573	1.420	5,574
Fe2599_R		187,100	ug/L	3,231	1.726	189,500
K_7664_R		20,870	ug/L	309.5	1.483	7,949
Li6707_R		540.0	ug/L	8.592	1.591	3,355
Mg2025_A		455,300	ug/L	12,010	2.637	64,070
Mn2576_R		478.4	ug/L	6.608	1.381	2,424
Mo2020_A		480.6	ug/L	9.909	2.062	755.1
Na5895_R		20,740	ug/L	222.7	1.074	20,940
Ni2316_A		917.6	ug/L	22.59	2.461	1,450
Pb2203_A		46.36	ug/L	3.436	7.410	-11.47
Sb2068_A		595.8	ug/L	13.87	2.327	170.1
Se1960_A		46.17	ug/L	2.224	4.816	8.180
Si2516_R		1,835	ug/L	43.93	2.394	482.2
Sn1899_A		467.5	ug/L	13.60	2.910	179.6

ICSAB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:55:14PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		502.1	ug/L	7.212	1.436	16,330
Ti3349_A		527.6	ug/L	6.373	1.208	10,350
Tl1908_A		93.30	ug/L	4.424	4.742	36.94
V_2924_A		523.7	ug/L	8.368	1.598	5,496
Zn2062_A		922.0	ug/L	22.70	2.462	2,409
Y_3600_R		11,924	Cts/S	57.753	0.48435	11,924
Y_2243_A		6,456.6	Cts/S	117.77	1.8241	6,456.6
Y_3600_A		173,790	Cts/S	1,210.9	0.69675	173,790

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 2:59:42PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		495.7	ug/L	0.2717	0.05481	8,226
Al3961_R		12,410	ug/L	72.62	0.5854	5,257
As1891_A		496.4	ug/L	0.9069	0.1827	134.7
Au2427_A		495.8	ug/L	7.192	1.450	1,429
B_2089_A		497.4	ug/L	1.728	0.3474	424.2
Ba4554_R		508.6	ug/L	6.689	1.315	13,650
Be3130_R		502.4	ug/L	3.925	0.7812	28,200
Ca3158_R		12,710	ug/L	132.3	1.042	8,395
Cd2265_A		501.8	ug/L	1.775	0.3537	5,727
Co2286_A		507.3	ug/L	2.356	0.4644	1,552
Cr2677_A		505.7	ug/L	4.202	0.8309	6,465
Cu3273_A		503.5	ug/L	2.020	0.4012	6,129
Fe2599_R		12,520	ug/L	122.7	0.9801	13,010
K_7664_R		12,430	ug/L	56.08	0.4514	4,836
Li6707_R		505.8	ug/L	5.382	1.064	3,228
Mg2025_A		12,520	ug/L	67.42	0.5385	1,939
Mn2576_R		501.6	ug/L	3.585	0.7146	2,593
Mo2020_A		511.6	ug/L	3.493	0.6829	876.9
Na5895_R		12,660	ug/L	126.2	0.9965	13,070
Ni2316_A		509.8	ug/L	2.282	0.4477	886.9
Pb2203_A		505.1	ug/L	2.265	0.4484	434.4
Sb2068_A		498.2	ug/L	0.9767	0.1960	153.2
Se1960_A		492.2	ug/L	2.938	0.5968	79.70
Si2516_R		12,860	ug/L	27.52	0.2139	3,403
Sn1899_A		503.3	ug/L	2.641	0.5249	211.0
Sr4215_R		506.9	ug/L	5.160	1.018	16,910
Ti3349_A		496.0	ug/L	2.859	0.5764	11,420
Tl1908_A		506.9	ug/L	2.671	0.5269	212.0
V_2924_A		499.6	ug/L	4.138	0.8284	6,132
Zn2062_A		502.6	ug/L	3.303	0.6571	1,433
Y_3600_R		12,230	Cts/S	23.297	0.19049	12,230
Y_2243_A		7,045.0	Cts/S	11.990	0.17019	7,045.0
Y_3600_A		203,990	Cts/S	740.25	0.36289	203,990

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:04:03PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5835	ug/L	0.5410	92.72	-4.081
Al3961_R		-15.41	ug/L	10.95	71.03	-15.62
As1891_A		0.3898	ug/L	2.650	679.9	-1.016
Au2427_A		0.6353	ug/L	0.3520	55.40	3.532

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:04:03PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		0.7966	ug/L	0.3564	44.74	5.789
Ba4554_R		-0.06663	ug/L	0.1092	163.9	8.287
Be3130_R		0.01265	ug/L	0.1361	1,076	-18.72
Ca3158_R		-3.374	ug/L	3.471	102.9	-14.99
Cd2265_A		-0.01378	ug/L	0.1399	1,015	-2.082
Co2286_A		-0.3837	ug/L	0.02366	6.167	4.903
Cr2677_A		0.1241	ug/L	0.2632	212.1	3.697
Cu3273_A		-0.6739	ug/L	0.2404	35.68	30.79
Fe2599_R		0.7025	ug/L	0.4134	58.85	7.659
K_7664_R		-17.26	ug/L	4.320	25.02	-55.48
Li6707_R		-3.536	ug/L	0.3970	11.23	45.86
Mg2025_A		-0.4088	ug/L	5.743	1,405	-1.004
Mn2576_R		-1.078	ug/L	0.6744	62.57	-4.469
Mo2020_A		1.388	ug/L	0.4807	34.64	8.156
Na5895_R		22.93	ug/L	3.140	13.69	-82.30
Ni2316_A		0.3066	ug/L	0.3214	104.8	0.1390
Pb2203_A		-0.3682	ug/L	0.2290	62.19	0.1420
Sb2068_A		-0.5449	ug/L	3.020	554.2	1.819
Se1960_A		3.335	ug/L	4.174	125.2	0.8961
Si2516_R		-3.076	ug/L	6.798	221.0	12.19
Sn1899_A		0.1904	ug/L	0.1741	91.40	0.4586
Sr4215_R		0.007717	ug/L	0.2483	3,218	-35.38
Ti3349_A		0.5373	ug/L	0.02950	5.491	-3.232
Tl1908_A		2.145	ug/L	0.1409	6.572	0.9541
V_2924_A		0.03515	ug/L	0.5350	1,522	-5.428
Zn2062_A		-0.08203	ug/L	0.1094	133.3	1.439
Y_3600_R		12,302	Cts/S	35.536	0.28886	12,302
Y_2243_A		7,232.6	Cts/S	17.537	0.24247	7,232.6
Y_3600_A		210,430	Cts/S	587.72	0.27929	210,430

SG4789-009A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:08:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		486.0	ug/L	2.625	0.5401	7,587
Al3961_R	W	76,220	ug/L	770.5	1.011	33,550
As1891_A		506.8	ug/L	2.284	0.4506	139.2
Au2427_A		6.463	ug/L	0.9896	15.31	83.87
B_2089_A		480.7	ug/L	1.019	0.2119	421.3
Ba4554_R		670.3	ug/L	5.781	0.8624	18,680
Be3130_R		487.4	ug/L	5.453	1.119	28,170
Ca3158_R		14,830	ug/L	130.5	0.8797	10,180
Cd2265_A		465.2	ug/L	2.177	0.4681	5,519
Co2286_A		512.7	ug/L	0.8089	0.1578	1,663
Cr2677_A		595.7	ug/L	0.2294	0.03850	7,738
Cu3273_A		564.7	ug/L	0.6576	0.1164	6,767
Fe2599_R	W	107,500	ug/L	1,234	1.148	115,900
K_7664_R		22,490	ug/L	192.9	0.8576	9,135
Li6707_R		612.4	ug/L	2.407	0.3931	4,045
Mg2025_A	W	32,070	ug/L	140.7	0.4386	5,087
Mn2576_R	W	1,927	ug/L	16.98	0.8813	10,350
Mo2020_A		472.9	ug/L	0.3403	0.07197	834.4
Na5895_R		6,062	ug/L	75.20	1.240	6,443
Ni2316_A		575.1	ug/L	1.401	0.2436	1,021
Pb2203_A		608.3	ug/L	0.2618	0.04303	534.2
Sb2068_A		457.5	ug/L	2.742	0.5995	147.4

SG4789-009A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:08:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		470.5	ug/L	1.030	0.2189	79.02
Si2516_R		2,881	ug/L	1.222	0.04241	803.3
Sn1899_A		29.28	ug/L	0.1340	0.4576	12.99
Sr4215_R		520.4	ug/L	4.664	0.8962	18,040
Ti3349_A	W	6,856	ug/L	40.29	0.5876	160,500
Tl1908_A		474.0	ug/L	1.551	0.3272	199.9
V_2924_A		690.1	ug/L	3.202	0.4640	8,659
Zn2062_A		703.1	ug/L	1.880	0.2674	2,063
Y_3600_R		12,706	Cts/S	69.772	0.54913	12,706
Y_2243_A		7,249.3	Cts/S	10.081	0.13906	7,249.3
Y_3600_A		207,150	Cts/S	403.66	0.19487	207,150

SG4836-008A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:12:57PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		658.3	ug/L	5.052	0.7675	11,180
Al3961_R	W	38,480	ug/L	424.2	1.102	16,570
As1891_A		490.9	ug/L	37.52	7.643	137.3
Au2427_A		2.754	ug/L	0.5421	19.68	12.84
B_2089_A		494.9	ug/L	34.54	6.980	434.5
Ba4554_R		724.8	ug/L	2.470	0.3408	19,760
Be3130_R		708.0	ug/L	0.3628	0.05125	40,360
Ca3158_R		9,310	ug/L	186.2	2.000	6,250
Cd2265_A		479.2	ug/L	40.02	8.352	5,634
Co2286_A		494.9	ug/L	41.79	8.444	1,569
Cr2677_A		732.3	ug/L	4.952	0.6762	9,544
Cu3273_A		689.4	ug/L	4.848	0.7033	8,512
Fe2599_R		8,866	ug/L	135.2	1.525	9,368
K_7664_R		12,990	ug/L	186.4	1.435	5,140
Li6707_R		672.8	ug/L	5.890	0.8755	4,341
Mg2025_A		4,570	ug/L	300.9	6.585	740.1
Mn2576_R		733.5	ug/L	6.690	0.9120	3,853
Mo2020_A		499.1	ug/L	42.83	8.581	881.6
Na5895_R		6,762	ug/L	219.3	3.243	7,045
Ni2316_A		501.7	ug/L	41.87	8.347	899.6
Pb2203_A		520.8	ug/L	39.39	7.563	458.3
Sb2068_A		475.7	ug/L	38.30	8.051	153.2
Se1960_A		495.4	ug/L	43.81	8.843	82.67
Si2516_R		4,105	ug/L	39.86	0.9709	1,114
Sn1899_A		22.32	ug/L	0.1911	0.8562	10.00
Sr4215_R		709.6	ug/L	0.3248	0.04577	24,080
Ti3349_A	W	1,683	ug/L	2.415	0.1435	39,540
Tl1908_A		498.8	ug/L	33.10	6.636	214.2
V_2924_A		711.0	ug/L	5.696	0.8012	8,932
Zn2062_A		501.1	ug/L	40.45	8.073	1,472
Y_3600_R		12,432	Cts/S	138.23	1.1119	12,432
Y_2243_A		7,259.1	Cts/S	18.310	0.25224	7,259.1
Y_3600_A		207,980	Cts/S	1,019.9	0.49038	207,980

SG4771-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:17:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		358.1	ug/L	18.69	5.219	5,685

SG4771-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:17:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R		7,278	ug/L	174.8	2.402	3,093
As1891_A		499.7	ug/L	59.32	11.87	133.3
Au2427_A		0.2631	ug/L	0.5464	207.7	2.511
B_2089_A		496.7	ug/L	60.80	12.24	415.1
Ba4554_R		386.2	ug/L	8.789	2.276	10,390
Be3130_R		346.9	ug/L	7.419	2.138	19,520
Ca3158_R	W	37,190	ug/L	398.2	1.071	24,670
Cd2265_A		509.4	ug/L	53.61	10.52	5,705
Co2286_A		491.0	ug/L	51.08	10.40	1,474
Cr2677_A		388.1	ug/L	10.48	2.699	4,734
Cu3273_A		394.7	ug/L	13.87	3.513	4,591
Fe2599_R		5,602	ug/L	105.6	1.885	5,841
K_7664_R		6,384	ug/L	146.3	2.292	2,468
Li6707_R		315.1	ug/L	9.287	2.948	2,042
Mg2025_A		5,875	ug/L	523.0	8.903	901.6
Mn2576_R		886.8	ug/L	15.54	1.753	4,596
Mo2020_A		483.8	ug/L	55.50	11.47	814.5
Na5895_R	F	256,100	ug/L	472.8	0.1846	267,100
Ni2316_A		524.1	ug/L	52.33	9.986	895.8
Pb2203_A	W	1,452	ug/L	57.82	3.983	1,229
Sb2068_A		477.1	ug/L	56.87	11.92	145.1
Se1960_A		494.2	ug/L	67.76	13.71	78.59
Si2516_R		711.6	ug/L	4.535	0.6373	202.4
Sn1899_A		-0.08887	ug/L	0.2049	230.5	0.3237
Sr4215_R		576.3	ug/L	9.863	1.712	19,280
Ti3349_A		383.3	ug/L	9.036	2.357	8,419
Tl1908_A		470.7	ug/L	63.42	13.47	193.1
V_2924_A		388.3	ug/L	12.24	3.153	4,522
Zn2062_A	W	1,986	ug/L	56.90	2.865	5,563
Y_3600_R		12,264	Cts/S	3.8881	0.031702	12,264
Y_2243_A		6,918.4	Cts/S	23.224	0.33569	6,918.4
Y_3600_A		194,570	Cts/S	847.73	0.43569	194,570

SG4770-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:21:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		375.2	ug/L	24.28	6.472	5,821
Al3961_R		7,966	ug/L	39.90	0.5009	3,311
As1891_A	W	1,452	ug/L	32.82	2.261	380.6
Au2427_A		2.223	ug/L	0.5864	26.38	5.956
B_2089_A		468.2	ug/L	49.26	10.52	383.1
Ba4554_R		422.1	ug/L	2.109	0.4996	11,110
Be3130_R		372.9	ug/L	0.4216	0.1131	20,530
Ca3158_R	W	166,900	ug/L	1,079	0.6466	108,300
Cd2265_A	W	1,064	ug/L	29.41	2.765	11,640
Co2286_A		450.3	ug/L	37.74	8.380	1,323
Cr2677_A		502.5	ug/L	21.34	4.246	5,981
Cu3273_A		390.6	ug/L	21.38	5.473	4,434
Fe2599_R		4,131	ug/L	0.3431	0.008304	4,216
K_7664_R		8,472	ug/L	54.69	0.6456	3,219
Li6707_R		342.6	ug/L	4.566	1.333	2,166
Mg2025_A		11,200	ug/L	273.7	2.444	1,666
Mn2576_R	W	1,159	ug/L	0.2790	0.02408	5,872
Mo2020_A		458.1	ug/L	39.59	8.643	754.7
Na5895_R	F	253,400	ug/L	3,973	1.568	258,500

SG4770-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:21:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		453.9	ug/L	38.79	8.546	759.0
Pb2203_A		583.9	ug/L	39.81	6.818	482.8
Sb2068_A		455.4	ug/L	43.84	9.625	136.1
Se1960_A		831.7	ug/L	44.55	5.357	129.0
Si2516_R		845.4	ug/L	11.33	1.340	232.6
Sn1899_A		0.2324	ug/L	0.8326	358.3	0.4475
Sr4215_R	W	1,316	ug/L	2.634	0.2002	43,120
Ti3349_A		396.8	ug/L	20.16	5.082	8,504
Tl1908_A		433.5	ug/L	53.66	12.38	173.7
V_2924_A		402.0	ug/L	19.56	4.866	4,561
Zn2062_A		697.4	ug/L	34.89	5.003	1,910
Y_3600_R		11,998	Cts/S	132.30	1.1027	11,998
Y_2243_A		6,762.7	Cts/S	74.605	1.1032	6,762.7
Y_3600_A		189,980	Cts/S	3,667.3	1.9304	189,980

SG4782-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:26:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		347.0	ug/L	1.843	0.5311	5,786
Al3961_R		8,111	ug/L	133.6	1.648	3,420
As1891_A		398.7	ug/L	45.24	11.35	108.9
Au2427_A		0.9086	ug/L	0.4230	46.55	7.380
B_2089_A		404.9	ug/L	43.52	10.75	348.4
Ba4554_R		366.9	ug/L	2.925	0.7970	9,806
Be3130_R		360.9	ug/L	5.027	1.393	20,160
Ca3158_R		15,180	ug/L	190.6	1.256	9,986
Cd2265_A		391.8	ug/L	43.63	11.14	4,505
Co2286_A		401.9	ug/L	44.17	10.99	1,240
Cr2677_A		350.6	ug/L	2.934	0.8369	4,501
Cu3273_A		351.1	ug/L	4.031	1.148	4,304
Fe2599_R		7,696	ug/L	135.0	1.754	7,964
K_7664_R		9,942	ug/L	82.07	0.8255	3,842
Li6707_R		361.1	ug/L	2.829	0.7835	2,313
Mg2025_A		8,948	ug/L	521.3	5.826	1,398
Mn2576_R		475.6	ug/L	7.520	1.581	2,447
Mo2020_A		398.9	ug/L	43.68	10.95	690.3
Na5895_R	W	32,020	ug/L	467.7	1.461	33,070
Ni2316_A		402.2	ug/L	43.47	10.81	705.4
Pb2203_A		399.3	ug/L	44.93	11.25	346.4
Sb2068_A		387.1	ug/L	44.90	11.60	121.4
Se1960_A		392.9	ug/L	43.91	11.18	64.18
Si2516_R		10,560	ug/L	181.1	1.715	2,782
Sn1899_A		1.227	ug/L	0.5174	42.17	0.8875
Sr4215_R		409.2	ug/L	4.664	1.140	13,590
Ti3349_A		346.7	ug/L	4.636	1.337	8,013
Tl1908_A		400.9	ug/L	43.67	10.89	169.0
V_2924_A		351.3	ug/L	3.285	0.9352	4,320
Zn2062_A		401.3	ug/L	44.39	11.06	1,154
Y_3600_R		12,176	Cts/S	78.454	0.64431	12,176
Y_2243_A		7,099.8	Cts/S	7.7796	0.10958	7,099.8
Y_3600_A		204,840	Cts/S	835.70	0.40798	204,840

SG4884-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT

SG4884-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:30:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.08862	ug/L	0.3471	391.6	-15.60
Al3961_R		41.96	ug/L	4.966	11.83	8.917
As1891_A		23.51	ug/L	1.189	5.057	5.448
Au2427_A		-0.5108	ug/L	0.9297	182.0	0.1497
B_2089_A		21.75	ug/L	0.1689	0.7765	23.04
Ba4554_R		13.68	ug/L	0.1637	1.197	383.8
Be3130_R		0.1994	ug/L	0.1442	72.29	-8.221
Ca3158_R	W	34,770	ug/L	154.7	0.4450	23,430
Cd2265_A		0.1813	ug/L	0.1103	60.88	0.2066
Co2286_A		-0.2064	ug/L	0.1401	67.87	5.418
Cr2677_A		0.7280	ug/L	0.3155	43.34	11.56
Cu3273_A		12.68	ug/L	0.8949	7.056	195.8
Fe2599_R		6.740	ug/L	1.797	26.66	14.14
K_7664_R		668.4	ug/L	21.30	3.187	218.3
Li6707_R		1.779	ug/L	2.671	150.1	80.26
Mg2025_A		2,712	ug/L	0.5154	0.01901	424.1
Mn2576_R		2.437	ug/L	0.5520	22.65	13.96
Mo2020_A		-0.5875	ug/L	0.05428	9.239	4.675
Na5895_R	W	40,870	ug/L	295.4	0.7228	43,210
Ni2316_A		0.3933	ug/L	0.05177	13.16	0.2881
Pb2203_A		0.4403	ug/L	1.201	272.8	0.8484
Sb2068_A		1.107	ug/L	0.3414	30.85	2.322
Se1960_A		0.9271	ug/L	1.099	118.6	0.4961
Si2516_R		4,565	ug/L	42.00	0.9200	1,238
Sn1899_A		0.5094	ug/L	0.3439	67.52	0.5923
Sr4215_R		772.8	ug/L	3.661	0.4737	26,280
Ti3349_A		-0.1573	ug/L	0.5136	326.5	-19.47
Tl1908_A		0.3741	ug/L	0.1946	52.02	0.1888
V_2924_A		0.8955	ug/L	0.3587	40.06	5.661
Zn2062_A		26.33	ug/L	0.1292	0.4909	78.31
Y_3600_R		12,458	Cts/S	23.543	0.18898	12,458
Y_2243_A		7,190.6	Cts/S	20.179	0.28062	7,190.6
Y_3600_A		208,160	Cts/S	2,772.7	1.3320	208,160

SG4743-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:34:56PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		24.73	ug/L	0.4791	1.938	198.0
Al3961_R		16,780	ug/L	79.91	0.4763	7,338
As1891_A		28.91	ug/L	0.2810	0.9719	6.143
Au2427_A		7.204	ug/L	0.5314	7.377	33.85
B_2089_A		52.22	ug/L	0.5258	1.007	49.09
Ba4554_R		449.8	ug/L	3.352	0.7453	12,470
Be3130_R		0.9462	ug/L	0.006922	0.7315	15.90
Ca3158_R	W	35,140	ug/L	231.2	0.6580	24,020
Cd2265_A		3.405	ug/L	0.009529	0.2799	56.77
Co2286_A		9.996	ug/L	0.006912	0.06915	41.98
Cr2677_A		114.4	ug/L	0.2238	0.1957	1,504
Cu3273_A	W	1,395	ug/L	1.931	0.1385	17,330
Fe2599_R	W	35,280	ug/L	177.5	0.5032	37,870
K_7664_R		10,680	ug/L	3.790	0.03548	4,289
Li6707_R		16.26	ug/L	3.040	18.70	174.8
Mg2025_A		8,642	ug/L	12.58	0.1456	1,362
Mn2576_R	W	3,084	ug/L	21.82	0.7077	16,470
Mo2020_A		16.21	ug/L	0.07189	0.4436	34.09

SG4743-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:34:56PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		2,427	ug/L	3.544	0.1460	2,500
Ni2316_A		92.97	ug/L	0.1956	0.2104	162.7
Pb2203_A		112.8	ug/L	0.5418	0.4805	99.14
Sb2068_A		2.196	ug/L	1.714	78.08	2.902
Se1960_A		8.593	ug/L	1.564	18.20	2.309
Si2516_R		2,014	ug/L	52.47	2.605	561.2
Sn1899_A		108.2	ug/L	0.3069	0.2836	46.89
Sr4215_R		200.9	ug/L	1.315	0.6547	6,906
Ti3349_A		504.3	ug/L	1.643	0.3259	11,880
Tl1908_A		1.712	ug/L	0.3116	18.20	-1.817
V_2924_A		44.01	ug/L	0.1705	0.3873	456.4
Zn2062_A	W	2,533	ug/L	1.096	0.04327	7,420
Y_3600_R		12,640	Cts/S	155.48	1.2301	12,640
Y_2243_A		7,234.0	Cts/S	1.8635	0.025760	7,234.0
Y_3600_A		208,840	Cts/S	1,763.3	0.84432	208,840

LCSWGG11ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:39:22PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.73	ug/L	0.9047	1.684	918.8
Al3961_R		1,974	ug/L	56.95	2.885	864.6
As1891_A		102.0	ug/L	3.309	3.242	27.93
Au2427_A		0.6176	ug/L	0.7224	117.0	2.172
B_2089_A		530.1	ug/L	2.635	0.4971	459.6
Ba4554_R		2,027	ug/L	30.37	1.498	56,450
Be3130_R		50.64	ug/L	0.8210	1.621	2,925
Ca3158_R		2,691	ug/L	34.08	1.266	1,836
Cd2265_A		263.0	ug/L	0.7245	0.2755	3,108
Co2286_A		536.3	ug/L	1.154	0.2151	1,700
Cr2677_A		209.2	ug/L	1.970	0.9421	2,798
Cu3273_A		265.3	ug/L	3.572	1.347	3,388
Fe2599_R		971.4	ug/L	19.15	1.971	1,055
K_7664_R		10,050	ug/L	102.7	1.022	4,052
Li6707_R		497.0	ug/L	4.970	1.0000	3,294
Mg2025_A		5,463	ug/L	7.077	0.1295	887.1
Mn2576_R		496.8	ug/L	8.200	1.651	2,666
Mo2020_A		273.8	ug/L	12.80	4.676	489.2
Na5895_R		7,686	ug/L	108.9	1.417	8,193
Ni2316_A		541.9	ug/L	1.691	0.3121	977.9
Pb2203_A		107.3	ug/L	1.166	1.086	95.99
Sb2068_A		106.7	ug/L	0.2252	0.2111	34.44
Se1960_A		103.4	ug/L	6.191	5.990	17.66
Si2516_R		4,576	ug/L	91.22	1.994	1,266
Sn1899_A		509.0	ug/L	5.547	1.090	221.2
Sr4215_R		505.9	ug/L	6.918	1.367	17,520
Ti3349_A		506.0	ug/L	6.615	1.307	12,180
Tl1908_A		110.0	ug/L	2.322	2.111	47.47
V_2924_A		516.9	ug/L	6.514	1.260	6,683
Zn2062_A		538.1	ug/L	1.576	0.2929	1,592
Y_3600_R		12,699	Cts/S	18.985	0.14950	12,699
Y_2243_A		7,303.9	Cts/S	34.898	0.47780	7,303.9
Y_3600_A		213,330	Cts/S	1,400.8	0.65663	213,330

PBWGG11ICW1

Method Name: K6010-2011 Method Revision: 830

PBWGG11ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:43:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5510	ug/L	0.1629	29.57	-4.804
Al3961_R		-1.727	ug/L	7.937	459.5	-10.09
As1891_A		0.6746	ug/L	1.134	168.0	-0.9573
Au2427_A		-1.365	ug/L	1.168	85.58	-2.421
B_2089_A		-1.759	ug/L	0.1444	8.209	3.808
Ba4554_R		0.9857	ug/L	0.2265	22.98	37.93
Be3130_R		0.01296	ug/L	0.04391	338.9	-19.37
Ca3158_R		96.92	ug/L	6.844	7.062	53.57
Cd2265_A		0.08457	ug/L	0.01795	21.23	-0.9495
Co2286_A		-0.2044	ug/L	0.1258	61.54	5.601
Cr2677_A		0.1349	ug/L	0.07585	56.24	3.950
Cu3273_A		0.5380	ug/L	0.1957	36.38	47.31
Fe2599_R		5.354	ug/L	1.208	22.56	12.95
K_7664_R		-64.46	ug/L	73.65	114.2	-76.75
Li6707_R		-3.355	ug/L	1.254	37.37	48.62
Mg2025_A		34.47	ug/L	2.252	6.533	4.618
Mn2576_R		0.1025	ug/L	0.05884	57.40	1.717
Mo2020_A		3.086	ug/L	0.8714	28.23	11.41
Na5895_R		78.24	ug/L	0.1433	0.1831	-25.25
Ni2316_A		0.8875	ug/L	0.4203	47.36	1.211
Pb2203_A		0.5134	ug/L	1.507	293.4	0.9413
Sb2068_A		-1.901	ug/L	0.1040	5.470	1.426
Se1960_A		-0.9557	ug/L	0.3356	35.12	0.1925
Si2516_R		1.910	ug/L	1.404	73.51	13.99
Sn1899_A		1.653	ug/L	1.264	76.43	1.115
Sr4215_R		0.6880	ug/L	0.05325	7.740	-12.91
Ti3349_A		0.8399	ug/L	0.1324	15.76	4.105
Tl1908_A		1.080	ug/L	0.1645	15.23	0.5077
V_2924_A		0.4213	ug/L	0.2140	50.79	-0.7050
Zn2062_A		4.148	ug/L	0.2515	6.064	14.17
Y_3600_R		12,728	Cts/S	35.933	0.28230	12,728
Y_2243_A		7,412.7	Cts/S	14.830	0.20006	7,412.7
Y_3600_A		216,710	Cts/S	639.33	0.29501	216,710

SG4794-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:48:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3506	ug/L	0.1051	29.98	-17.86
Al3961_R		46.94	ug/L	30.62	65.24	11.17
As1891_A		6.953	ug/L	0.2808	4.039	0.7986
Au2427_A		2.869	ug/L	0.09656	3.366	6.938
B_2089_A		0.4386	ug/L	0.4682	106.8	5.499
Ba4554_R		9.237	ug/L	0.2031	2.199	266.0
Be3130_R		0.02472	ug/L	0.01703	68.89	-18.43
Ca3158_R	W	27,250	ug/L	396.6	1.455	18,600
Cd2265_A		0.1468	ug/L	0.02329	15.87	0.6570
Co2286_A		0.4717	ug/L	0.04847	10.28	7.716
Cr2677_A		0.7508	ug/L	0.1356	18.06	13.61
Cu3273_A		4.361	ug/L	1.105	25.34	93.56
Fe2599_R		1,637	ug/L	16.01	0.9780	1,763
K_7664_R		805.9	ug/L	6.680	0.8290	277.1
Li6707_R		-1.307	ug/L	1.743	133.3	61.48
Mg2025_A		6,132	ug/L	86.08	1.404	978.7
Mn2576_R	W	1,097	ug/L	13.65	1.244	5,854
Mo2020_A		-0.7785	ug/L	0.09105	11.70	4.429

SG4794-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:48:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		5,742	ug/L	58.60	1.021	6,059
Ni2316_A		1.396	ug/L	0.08186	5.863	1.965
Pb2203_A		0.6813	ug/L	0.6459	94.80	1.131
Sb2068_A		-2.720	ug/L	0.8045	29.58	1.162
Se1960_A		-2.647	ug/L	0.3864	14.60	0.05499
Si2516_R		6,264	ug/L	53.71	0.8574	1,717
Sn1899_A		0.7581	ug/L	0.3016	39.79	0.7111
Sr4215_R		118.1	ug/L	1.245	1.054	4,040
Ti3349_A		-0.1552	ug/L	0.1612	103.9	-19.74
Tl1908_A		3.122	ug/L	0.6466	20.71	0.5792
V_2924_A		2.807	ug/L	0.02233	0.7955	-4.889
Zn2062_A		50.27	ug/L	0.7076	1.408	150.9
Y_3600_R		12,627	Cts/S	67.604	0.53541	12,627
Y_2243_A		7,330.9	Cts/S	96.708	1.3192	7,330.9
Y_3600_A		210,350	Cts/S	2,807.2	1.3345	210,350

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:52:49PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		497.1	ug/L	1.654	0.3328	8,200
Al3961_R		12,310	ug/L	177.1	1.439	5,183
As1891_A		492.7	ug/L	3.750	0.7611	133.0
Au2427_A		490.0	ug/L	0.02186	0.004461	1,406
B_2089_A		487.1	ug/L	4.517	0.9272	413.5
Ba4554_R		504.3	ug/L	6.441	1.277	13,450
Be3130_R		500.1	ug/L	5.282	1.056	27,890
Ca3158_R		12,500	ug/L	171.9	1.375	8,206
Cd2265_A		497.3	ug/L	3.963	0.7970	5,647
Co2286_A		502.0	ug/L	3.750	0.7471	1,528
Cr2677_A		502.1	ug/L	0.1840	0.03666	6,379
Cu3273_A		502.4	ug/L	1.226	0.2440	6,078
Fe2599_R		12,410	ug/L	171.1	1.379	12,810
K_7664_R		12,350	ug/L	169.3	1.371	4,774
Li6707_R		498.2	ug/L	7.572	1.520	3,160
Mg2025_A		12,420	ug/L	80.04	0.6443	1,915
Mn2576_R		494.2	ug/L	6.278	1.270	2,538
Mo2020_A		502.2	ug/L	3.012	0.5999	856.6
Na5895_R		12,540	ug/L	166.5	1.328	12,860
Ni2316_A		507.7	ug/L	4.721	0.9298	879.0
Pb2203_A		500.6	ug/L	1.972	0.3940	428.4
Sb2068_A		491.9	ug/L	4.830	0.9820	150.6
Se1960_A		485.3	ug/L	0.2701	0.05566	78.20
Si2516_R		11,880	ug/L	151.7	1.277	3,124
Sn1899_A		496.8	ug/L	2.550	0.5133	207.2
Sr4215_R		504.7	ug/L	6.167	1.222	16,730
Ti3349_A		498.0	ug/L	1.453	0.2918	11,400
Tl1908_A		500.9	ug/L	3.726	0.7438	208.5
V_2924_A		498.8	ug/L	0.2774	0.05562	6,086
Zn2062_A		497.7	ug/L	4.424	0.8890	1,412
Y_3600_R		12,151	Cts/S	42.352	0.34855	12,151
Y_2243_A		7,010.1	Cts/S	54.359	0.77544	7,010.1
Y_3600_A		202,720	Cts/S	181.09	0.089329	202,720

CCB

Method Name: K6010-2011 Method Revision: 830

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 3:57:09PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1534	ug/L	0.006602	4.304	-16.70
Al3961_R		8.291	ug/L	11.87	143.1	-5.463
As1891_A		0.2812	ug/L	0.1454	51.72	-1.039
Au2427_A		-0.2012	ug/L	0.2981	148.2	1.050
B_2089_A		-1.465	ug/L	0.5041	34.42	3.826
Ba4554_R		0.3903	ug/L	0.3575	91.60	20.30
Be3130_R		0.07429	ug/L	0.01701	22.89	-15.02
Ca3158_R		-3.848	ug/L	2.609	67.81	-15.08
Cd2265_A		0.01753	ug/L	0.02895	165.2	-1.696
Co2286_A		-0.08868	ug/L	0.2074	233.9	5.771
Cr2677_A		0.2767	ug/L	0.3069	110.9	5.644
Cu3273_A		-0.2837	ug/L	0.4650	163.9	35.38
Fe2599_R		0.9259	ug/L	3.200	345.6	7.776
K_7664_R		-48.79	ug/L	0.4395	0.9009	-66.95
Li6707_R		-2.599	ug/L	0.5144	19.79	51.00
Mg2025_A		2.952	ug/L	2.425	82.16	-0.4729
Mn2576_R		-0.6620	ug/L	0.6293	95.07	-2.281
Mo2020_A		-0.09890	ug/L	0.5203	526.1	5.505
Na5895_R		24.98	ug/L	11.21	44.86	-78.99
Ni2316_A		-0.1558	ug/L	0.2146	137.7	-0.6886
Pb2203_A		-0.2781	ug/L	0.5354	192.6	0.2238
Sb2068_A		-1.995	ug/L	0.9371	46.98	1.355
Se1960_A		-1.672	ug/L	2.212	132.3	0.07249
Si2516_R		-10.65	ug/L	7.222	67.80	10.03
Sn1899_A		0.3139	ug/L	0.3352	106.8	0.5062
Sr4215_R		-0.03096	ug/L	0.1487	480.4	-36.13
Ti3349_A		0.4565	ug/L	0.002460	0.5389	-5.133
Tl1908_A		0.5224	ug/L	0.004632	0.8867	0.2548
V_2924_A		0.1461	ug/L	0.4436	303.6	-3.815
Zn2062_A		-0.02439	ug/L	0.03678	150.8	1.594
Y_3600_R		12,123	Cts/S	19.188	0.15828	12,123
Y_2243_A		7,176.7	Cts/S	146.06	2.0352	7,176.7
Y_3600_A		208,890	Cts/S	2,080.1	0.99580	208,890

SG4794-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:01:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3658	ug/L	0.2321	63.45	-28.41
Al3961_R		30.50	ug/L	20.66	67.74	4.022
As1891_A		5.219	ug/L	0.5624	10.78	0.3149
Au2427_A		0.6563	ug/L	0.4296	65.46	1.886
B_2089_A		0.7165	ug/L	0.4251	59.32	5.698
Ba4554_R		4.101	ug/L	0.1158	2.823	125.3
Be3130_R		0.05737	ug/L	0.02745	47.85	-16.75
Ca3158_R	W	25,940	ug/L	251.0	0.9676	17,910
Cd2265_A		0.04890	ug/L	0.01491	30.48	-0.7217
Co2286_A		0.2836	ug/L	0.2194	77.34	7.107
Cr2677_A		0.5701	ug/L	0.2436	42.72	10.78
Cu3273_A		0.8828	ug/L	0.2877	32.60	51.35
Fe2599_R		1,221	ug/L	23.46	1.920	1,332
K_7664_R		746.4	ug/L	59.21	7.933	256.0
Li6707_R		-3.844	ug/L	0.4927	12.82	45.60
Mg2025_A		6,060	ug/L	1.715	0.02831	966.8
Mn2576_R		640.6	ug/L	5.152	0.8043	3,457
Mo2020_A		-1.716	ug/L	0.08583	5.001	2.765

SG4794-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:01:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		2,209	ug/L	52.92	2.395	2,291
Ni2316_A		1.355	ug/L	0.08337	6.154	1.924
Pb2203_A		-0.2246	ug/L	0.7158	318.6	0.3060
Sb2068_A		-2.559	ug/L	1.712	66.89	1.215
Se1960_A		-0.1135	ug/L	0.8968	790.4	0.4186
Si2516_R		6,209	ug/L	22.73	0.3661	1,722
Sn1899_A		0.1140	ug/L	0.5173	453.6	0.4311
Sr4215_R		111.2	ug/L	1.867	1.679	3,848
Ti3349_A		-0.3331	ug/L	0.05262	15.80	-24.51
Tl1908_A		2.978	ug/L	0.7574	25.43	0.8537
V_2924_A		1.859	ug/L	0.1470	7.904	-2.313
Zn2062_A		3.690	ug/L	0.03537	0.9584	12.65
Y_3600_R		12,773	Cts/S	64.770	0.50708	12,773
Y_2243_A		7,327.6	Cts/S	13.868	0.18926	7,327.6
Y_3600_A		215,230	Cts/S	497.46	0.23113	215,230

SG4782-001L

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:06:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-2.696	ug/L	0.8685	32.21	-27.55
Al3961_R		-45.57	ug/L	135.7	297.8	-13.00
As1891_A		-4.193	ug/L	2.446	58.34	-1.361
Au2427_A		-7.544	ug/L	0.6428	8.521	-2.383
B_2089_A		-4.236	ug/L	1.980	46.73	4.271
Ba4554_R		7.037	ug/L	1.704	24.22	47.08
Be3130_R		-0.2628	ug/L	0.3849	146.4	-21.94
Ca3158_R		11,210	ug/L	633.4	5.652	1,454
Cd2265_A		0.4268	ug/L	0.06765	15.85	-0.5390
Co2286_A		-0.5348	ug/L	1.132	211.7	5.710
Cr2677_A		2.255	ug/L	1.267	56.21	8.016
Cu3273_A		4.015	ug/L	6.964	173.5	48.54
Fe2599_R		3,594	ug/L	209.5	5.829	744.6
K_7664_R		2,830	ug/L	31.47	1.112	172.3
Li6707_R		3.227	ug/L	13.11	406.3	70.65
Mg2025_A		4,435	ug/L	59.88	1.350	137.1
Mn2576_R		124.0	ug/L	10.94	8.824	127.7
Mo2020_A		-7.979	ug/L	0.07332	0.9188	2.901
Na5895_R		30,360	ug/L	1,599	5.265	6,141
Ni2316_A		0.1468	ug/L	0.9828	669.4	-0.4185
Pb2203_A		-3.345	ug/L	2.939	87.86	-0.09903
Sb2068_A		-5.892	ug/L	5.002	84.89	1.606
Se1960_A		-7.916	ug/L	29.51	372.8	0.08624
Si2516_R		10,580	ug/L	503.3	4.758	563.8
Sn1899_A		1.185	ug/L	0.03151	2.660	0.4723
Sr4215_R		57.00	ug/L	2.690	4.719	341.8
Ti3349_A		0.7092	ug/L	1.802	254.1	-12.64
Tl1908_A		0.3898	ug/L	3.758	964.0	0.04637
V_2924_A		1.473	ug/L	1.354	91.93	-2.510
Zn2062_A		1.633	ug/L	0.02451	1.501	2.601
Y_3600_R		12,102	Cts/S	477.44	3.9451	12,102
Y_2243_A		7,139.0	Cts/S	40.024	0.56064	7,139.0
Y_3600_A		208,380	Cts/S	4,762.6	2.2856	208,380

SG4782-007

Method Name: K6010-2011 Method Revision: 830

SG4782-007

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:10:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1578	ug/L	0.3047	193.1	-31.83
Al3961_R		366.8	ug/L	4.152	1.132	68.38
As1891_A		30.81	ug/L	2.866	9.303	2.926
Au2427_A		3.988	ug/L	0.5916	14.84	4.136
B_2089_A	W	2,086	ug/L	4.951	0.2374	820.6
Ba4554_R		83.88	ug/L	1.551	1.849	1,130
Be3130_R		0.1921	ug/L	0.04905	25.53	-14.09
Ca3158_R	W	154,500	ug/L	3,275	2.120	50,890
Cd2265_A		0.2887	ug/L	0.2548	88.27	1.525
Co2286_A		15.21	ug/L	0.1890	1.243	28.21
Cr2677_A		14.69	ug/L	0.7696	5.237	93.01
Cu3273_A		10.87	ug/L	0.4473	4.116	98.20
Fe2599_R		7,267	ug/L	92.86	1.278	3,765
K_7664_R	W	113,200	ug/L	1,627	1.437	22,100
Li6707_R		9.241	ug/L	1.562	16.90	96.14
Mg2025_A		39,030	ug/L	5.026	0.01288	2,890
Mn2576_R	W	2,789	ug/L	43.57	1.562	7,174
Mo2020_A		-2.988	ug/L	0.06052	2.026	2.929
Na5895_R	W	320,700	ug/L	4,532	1.413	166,000
Ni2316_A		105.0	ug/L	0.03081	0.02933	87.51
Pb2203_A		0.3275	ug/L	2.331	711.9	0.6584
Sb2068_A		-1.466	ug/L	2.369	161.5	1.680
Se1960_A		-0.4963	ug/L	3.239	652.8	0.4661
Si2516_R		8,029	ug/L	241.9	3.013	1,066
Sn1899_A		1.533	ug/L	0.4438	28.95	0.6635
Sr4215_R		819.6	ug/L	14.87	1.814	13,610
Ti3349_A		18.28	ug/L	0.2053	1.123	185.3
Tl1908_A		5.321	ug/L	1.975	37.11	0.1441
V_2924_A		10.17	ug/L	0.3556	3.495	13.61
Zn2062_A		18.63	ug/L	0.1151	0.6176	27.18
Y_3600_R		12,178	Cts/S	30.660	0.25176	12,178
Y_2243_A		6,795.6	Cts/S	6.2745	0.092333	6,795.6
Y_3600_A		193,710	Cts/S	235.12	0.12137	193,710

SG4791-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:15:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.947	ug/L	0.4473	22.98	-24.21
Al3961_R		1,234	ug/L	25.03	2.029	92.06
As1891_A		12.14	ug/L	8.331	68.64	-0.4236
Au2427_A		-1.727	ug/L	5.287	306.1	0.4749
B_2089_A		535.7	ug/L	1.327	0.2477	84.91
Ba4554_R		2,364	ug/L	42.25	1.787	12,230
Be3130_R		-0.02110	ug/L	0.06444	305.4	-18.89
Ca3158_R	W	1,743,000	ug/L	34,060	1.954	222,300
Cd2265_A		0.4246	ug/L	0.01203	2.834	-0.3161
Co2286_A		-0.7794	ug/L	0.1483	19.02	5.093
Cr2677_A		7.489	ug/L	1.783	23.81	19.48
Cu3273_A		30.04	ug/L	3.202	10.66	100.6
Fe2599_R		5,517	ug/L	76.65	1.389	1,111
K_7664_R	W	888,900	ug/L	9,550	1.074	67,280
Li6707_R		185.5	ug/L	6.439	3.470	288.6
Mg2025_A		18,100	ug/L	10.72	0.05923	513.2
Mn2576_R		1,060	ug/L	30.18	2.848	1,056
Mo2020_A		-1.723	ug/L	0.2383	13.83	4.617

SG4791-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:15:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	1,301,000	ug/L	5,806	0.4464	260,700
Ni2316_A		12.23	ug/L	2.094	17.12	3.479
Pb2203_A		-9.550	ug/L	2.026	21.22	-1.101
Sb2068_A		-7.408	ug/L	3.805	51.36	1.388
Se1960_A		30.82	ug/L	5.770	18.72	1.257
Si2516_R		4,876	ug/L	23.36	0.4791	260.0
Sn1899_A		-3.706	ug/L	1.004	27.10	0.05249
Sr4215_R	W	11,640	ug/L	162.8	1.398	74,970
Ti3349_A		9.466	ug/L	1.108	11.70	25.52
Tl1908_A		5.662	ug/L	4.108	72.55	0.3259
V_2924_A		4.264	ug/L	2.397	56.22	-1.385
Zn2062_A		51.41	ug/L	0.09015	0.1753	28.62
Y_3600_R		11,784	Cts/S	18.855	0.16001	11,784
Y_2243_A		6,513.1	Cts/S	6.4095	0.098409	6,513.1
Y_3600_A		185,220	Cts/S	364.61	0.19685	185,220

SG4872-006

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:19:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		29.50	ug/L	0.7305	2.476	9.812
Al3961_R		28,060	ug/L	90.61	0.3229	1,201
As1891_A		4,104	ug/L	25.19	0.6139	114.2
Au2427_A		-15.77	ug/L	1.280	8.116	-0.4625
B_2089_A		0.3898	ug/L	0.3916	100.5	5.044
Ba4554_R		576.7	ug/L	8.537	1.480	1,584
Be3130_R		1.053	ug/L	0.2647	25.13	-20.41
Ca3158_R		8,243	ug/L	224.8	2.727	542.2
Cd2265_A		3.051	ug/L	0.04709	1.544	4.108
Co2286_A		7.076	ug/L	2.670	37.73	9.777
Cr2677_A		43.95	ug/L	1.133	2.577	61.17
Cu3273_A		142.2	ug/L	4.832	3.398	214.3
Fe2599_R		43,460	ug/L	499.4	1.149	4,600
K_7664_R		1,600	ug/L	910.0	56.86	14.76
Li6707_R		-18.63	ug/L	14.74	79.13	57.04
Mg2025_A		2,209	ug/L	25.84	1.169	34.03
Mn2576_R		833.5	ug/L	9.687	1.162	439.5
Mo2020_A		-24.06	ug/L	2.732	11.36	1.519
Na5895_R		999.1	ug/L	94.51	9.460	-1.753
Ni2316_A		69.16	ug/L	0.8890	1.285	11.58
Pb2203_A	W	90,980	ug/L	196.2	0.2156	8,068
Sb2068_A	W	11,550	ug/L	28.22	0.2443	362.7
Se1960_A		6.091	ug/L	21.98	360.9	0.4648
Si2516_R		2,950	ug/L	1.522	0.05161	92.19
Sn1899_A		37.91	ug/L	1.314	3.466	2.008
Sr4215_R		100.1	ug/L	2.188	2.186	304.6
Ti3349_A		1,828	ug/L	16.73	0.9157	4,397
Tl1908_A		7.589	ug/L	3.722	49.05	0.2067
V_2924_A		168.4	ug/L	0.4413	0.2621	213.6
Zn2062_A		121.4	ug/L	0.9296	0.7654	37.27
Y_3600_R		12,444	Cts/S	18.421	0.14804	12,444
Y_2243_A		7,240.9	Cts/S	5.5386	0.076491	7,240.9
Y_3600_A		213,730	Cts/S	1,588.7	0.74334	213,730

LCSWGG12ICW1

Method Name: K6010-2011 Method Revision: 830

LCSWGG12ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:24:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.32	ug/L	0.4393	0.8560	859.5
Al3961_R		1,938	ug/L	22.26	1.149	823.4
As1891_A	W	116.0	ug/L	1.252	1.079	31.10
Au2427_A		-0.5255	ug/L	0.2565	48.82	-1.187
B_2089_A		496.5	ug/L	5.958	1.200	421.0
Ba4554_R		2,041	ug/L	49.59	2.430	55,110
Be3130_R		50.94	ug/L	1.412	2.772	2,855
Ca3158_R		2,583	ug/L	72.38	2.802	1,709
Cd2265_A		251.3	ug/L	2.871	1.143	2,893
Co2286_A		525.3	ug/L	6.146	1.170	1,623
Cr2677_A		204.9	ug/L	2.408	1.175	2,688
Cu3273_A		259.8	ug/L	2.709	1.043	3,254
Fe2599_R		991.9	ug/L	16.01	1.614	1,044
K_7664_R		9,890	ug/L	266.1	2.691	3,866
Li6707_R		489.6	ug/L	13.52	2.762	3,149
Mg2025_A		5,113	ug/L	61.70	1.207	809.9
Mn2576_R		500.1	ug/L	13.70	2.740	2,603
Mo2020_A		296.0	ug/L	1.775	0.5996	514.9
Na5895_R		7,459	ug/L	153.1	2.052	7,710
Ni2316_A		526.0	ug/L	4.602	0.8749	925.0
Pb2203_A		104.3	ug/L	0.9494	0.9101	90.89
Sb2068_A		100.4	ug/L	1.966	1.958	31.63
Se1960_A		91.30	ug/L	1.216	1.331	15.25
Si2516_R		4,513	ug/L	122.7	2.718	1,211
Sn1899_A		506.6	ug/L	6.715	1.326	214.6
Sr4215_R		496.6	ug/L	12.12	2.441	16,680
Ti3349_A		490.2	ug/L	8.376	1.709	11,570
Tl1908_A		105.5	ug/L	1.599	1.515	44.37
V_2924_A		505.4	ug/L	8.082	1.599	6,403
Zn2062_A		518.6	ug/L	5.867	1.131	1,495
Y_3600_R		12,318	Cts/S	181.45	1.4731	12,318
Y_2243_A		7,117.3	Cts/S	61.221	0.86017	7,117.3
Y_3600_A		209,190	Cts/S	2,685.8	1.2839	209,190

PBWGG12ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:28:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2573	ug/L	0.1211	47.05	-9.933
Al3961_R		0.9901	ug/L	2.690	271.7	-8.929
As1891_A		-0.03303	ug/L	1.318	3,991	-1.147
Au2427_A		-1.579	ug/L	0.5579	35.33	-3.020
B_2089_A		-2.196	ug/L	0.5881	26.79	3.244
Ba4554_R		0.8344	ug/L	0.4565	54.71	33.51
Be3130_R		-0.0001820	ug/L	0.02175	11,950	-20.02
Ca3158_R		11.10	ug/L	3.824	34.46	-5.503
Cd2265_A		0.08044	ug/L	0.04829	60.03	-0.9857
Co2286_A		-0.1610	ug/L	0.05808	36.07	5.653
Cr2677_A		0.2433	ug/L	0.1472	60.47	5.376
Cu3273_A		0.2339	ug/L	0.7068	302.2	43.04
Fe2599_R		3.611	ug/L	0.4018	11.13	11.01
K_7664_R		-11.58	ug/L	70.24	606.6	-54.71
Li6707_R		-4.046	ug/L	0.6513	16.10	43.91
Mg2025_A		11.31	ug/L	1.599	14.14	0.8435
Mn2576_R		-0.1513	ug/L	0.4052	267.7	0.3438
Mo2020_A		-1.368	ug/L	0.4576	33.46	3.373

PBWGG12ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:28:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		79.74	ug/L	17.48	21.92	-23.58
Ni2316_A		0.2368	ug/L	0.09428	39.81	0.008852
Pb2203_A		1.152	ug/L	0.8393	72.85	1.505
Sb2068_A		-2.039	ug/L	0.4602	22.57	1.371
Se1960_A		-1.186	ug/L	3.016	254.3	0.1512
Si2516_R		-6.087	ug/L	3.050	50.10	11.72
Sn1899_A		-0.2753	ug/L	0.3538	128.5	0.2612
Sr4215_R		0.3187	ug/L	0.08264	25.93	-25.63
Ti3349_A		0.2252	ug/L	0.3161	140.4	-10.91
Tl1908_A		1.569	ug/L	0.9053	57.70	0.7138
V_2924_A		0.2261	ug/L	0.06187	27.37	-2.777
Zn2062_A	F	24.89	ug/L	0.01797	0.07222	75.31
Y_3600_R		12,667	Cts/S	85.861	0.67782	12,667
Y_2243_A		7,307.5	Cts/S	3.1694	0.043372	7,307.5
Y_3600_A		214,850	Cts/S	221.24	0.10297	214,850

SG4834-001R

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:33:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3108	ug/L	0.008768	2.821	-8.842
Al3961_R		23,670	ug/L	429.6	1.815	10,110
As1891_A		1.764	ug/L	0.6832	38.73	-0.6436
Au2427_A		-0.3739	ug/L	0.4071	108.9	0.3629
B_2089_A		-0.1732	ug/L	0.01715	9.899	4.800
Ba4554_R		3.335	ug/L	0.1295	3.883	100.4
Be3130_R		-0.01206	ug/L	0.1205	999.3	-20.16
Ca3158_R		1,595	ug/L	32.04	2.009	1,053
Cd2265_A		0.003331	ug/L	0.007506	225.3	-1.844
Co2286_A		-0.5458	ug/L	0.1070	19.60	4.339
Cr2677_A		2.784	ug/L	0.1116	4.008	38.36
Cu3273_A		72.24	ug/L	1.558	2.156	934.0
Fe2599_R		29.52	ug/L	1.259	4.265	37.90
K_7664_R		485.3	ug/L	49.39	10.18	143.7
Li6707_R		-0.9211	ug/L	1.418	154.0	62.52
Mg2025_A		804.9	ug/L	8.642	1.074	124.4
Mn2576_R		70.50	ug/L	0.6995	0.9923	368.8
Mo2020_A		-2.482	ug/L	0.2598	10.47	1.374
Na5895_R	W	35,510	ug/L	496.2	1.397	37,190
Ni2316_A		2.227	ug/L	0.5214	23.41	3.515
Pb2203_A		-0.3240	ug/L	1.365	421.4	-2.637
Sb2068_A		0.4570	ug/L	1.131	247.5	2.210
Se1960_A		1.304	ug/L	0.6690	51.30	0.5824
Si2516_R		123.6	ug/L	7.139	5.778	45.90
Sn1899_A		1.644	ug/L	0.9802	59.63	1.071
Sr4215_R		5.112	ug/L	0.01394	0.2727	136.8
Ti3349_A		0.04483	ug/L	0.02388	53.27	-14.79
Tl1908_A		-1.491	ug/L	0.09390	6.299	-0.5675
V_2924_A		0.6870	ug/L	0.1386	20.18	0.8845
Zn2062_A		49.30	ug/L	0.4993	1.013	144.2
Y_3600_R		12,345	Cts/S	2.7472	0.022254	12,345
Y_2243_A		7,144.2	Cts/S	44.335	0.62057	7,144.2
Y_3600_A		207,750	Cts/S	293.33	0.14120	207,750

SG4837-001T

Method Name: K6010-2011 Method Revision: 830

SG4837-001T

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:37:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.09932	ug/L	0.08480	85.38	-19.53
Al3961_R		111.4	ug/L	6.997	6.279	37.51
As1891_A		0.1196	ug/L	0.8865	741.4	-1.071
Au2427_A		0.2278	ug/L	1.746	766.2	2.096
B_2089_A		1.746	ug/L	0.3527	20.19	6.118
Ba4554_R		86.52	ug/L	2.571	2.972	2,290
Be3130_R		0.05569	ug/L	0.02877	51.66	-15.89
Ca3158_R		4,225	ug/L	112.9	2.672	2,736
Cd2265_A		1.593	ug/L	0.04889	3.069	16.60
Co2286_A		0.9048	ug/L	0.1334	14.74	8.507
Cr2677_A		1.104	ug/L	0.1121	10.15	15.73
Cu3273_A		58.62	ug/L	0.3170	0.5407	713.0
Fe2599_R		1,458	ug/L	39.29	2.695	1,495
K_7664_R		142.7	ug/L	74.03	51.87	7.576
Li6707_R		-3.630	ug/L	1.214	33.46	44.24
Mg2025_A		161.4	ug/L	7.419	4.597	23.26
Mn2576_R		272.7	ug/L	8.647	3.171	1,386
Mo2020_A		-2.828	ug/L	0.4688	16.58	0.7441
Na5895_R	F	257,200	ug/L	168.5	0.06551	263,000
Ni2316_A		6.192	ug/L	0.2511	4.056	9.986
Pb2203_A		66.72	ug/L	1.541	2.310	56.56
Sb2068_A		-1.864	ug/L	2.572	137.9	1.337
Se1960_A		-0.8531	ug/L	4.447	521.2	0.2324
Si2516_R		145.1	ug/L	3.431	2.365	50.24
Sn1899_A		0.8364	ug/L	0.2660	31.81	0.6986
Sr4215_R		14.69	ug/L	0.2676	1.822	447.9
Ti3349_A		-0.1404	ug/L	0.1760	125.3	-17.90
Tl1908_A		0.02566	ug/L	1.291	5,033	-0.1531
V_2924_A		0.5189	ug/L	0.7172	138.2	-6.950
Zn2062_A		430.2	ug/L	0.1233	0.02867	1,197
Y_3600_R		12,023	Cts/S	19.891	0.16544	12,023
Y_2243_A		6,864.8	Cts/S	8.1033	0.11804	6,864.8
Y_3600_A		194,260	Cts/S	75.192	0.038707	194,260

SG4838-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:42:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.07268	ug/L	0.5942	817.6	-17.32
Al3961_R		57.73	ug/L	4.793	8.303	15.13
As1891_A		1.153	ug/L	1.514	131.3	-0.8047
Au2427_A		-1.877	ug/L	0.2963	15.79	-3.970
B_2089_A		25.10	ug/L	0.6383	2.543	25.32
Ba4554_R		9.732	ug/L	0.6422	6.599	266.1
Be3130_R		-0.04824	ug/L	0.07708	159.8	-21.62
Ca3158_R	W	65,770	ug/L	876.7	1.333	42,730
Cd2265_A		-0.008869	ug/L	0.04444	501.1	-1.564
Co2286_A		0.3170	ug/L	0.02781	8.775	6.948
Cr2677_A		0.5603	ug/L	0.04971	8.872	9.502
Cu3273_A		1.193	ug/L	0.4869	40.81	52.83
Fe2599_R		812.3	ug/L	13.24	1.630	835.2
K_7664_R		2,029	ug/L	80.74	3.979	735.6
Li6707_R		-1.806	ug/L	1.298	71.90	55.37
Mg2025_A		1,867	ug/L	17.85	0.9561	286.8
Mn2576_R		183.0	ug/L	1.595	0.8715	929.3
Mo2020_A		-2.383	ug/L	0.2100	8.814	1.526

SG4838-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:42:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,142	ug/L	68.52	0.9594	7,193
Ni2316_A		1.387	ug/L	0.07191	5.185	1.947
Pb2203_A		0.006997	ug/L	0.5308	7,586	0.4800
Sb2068_A		-0.7567	ug/L	2.077	274.5	1.718
Se1960_A		5.402	ug/L	4.094	75.79	1.235
Si2516_R		5,700	ug/L	82.03	1.439	1,487
Sn1899_A		0.2305	ug/L	1.038	450.4	0.4637
Sr4215_R		157.8	ug/L	1.071	0.6789	5,145
Ti3349_A		-0.04133	ug/L	0.3004	726.8	-16.62
Tl1908_A		0.7124	ug/L	0.2565	36.00	0.1989
V_2924_A		0.6187	ug/L	0.2051	33.14	-3.344
Zn2062_A		33.57	ug/L	0.4406	1.312	97.71
Y_3600_R		12,010	Cts/S	58.545	0.48748	12,010
Y_2243_A		7,069.3	Cts/S	43.860	0.62043	7,069.3
Y_3600_A		205,490	Cts/S	671.12	0.32660	205,490

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:46:40PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		493.2	ug/L	1.060	0.2148	8,147
Al3961_R		12,310	ug/L	155.1	1.260	5,104
As1891_A		486.2	ug/L	2.049	0.4213	131.4
Au2427_A		486.5	ug/L	1.784	0.3667	1,397
B_2089_A		483.8	ug/L	0.2190	0.04527	411.1
Ba4554_R		501.7	ug/L	4.536	0.9041	13,170
Be3130_R		498.0	ug/L	5.120	1.028	27,340
Ca3158_R		12,530	ug/L	80.46	0.6422	8,099
Cd2265_A		493.7	ug/L	0.8386	0.1699	5,612
Co2286_A		499.3	ug/L	0.7981	0.1598	1,521
Cr2677_A		499.5	ug/L	1.280	0.2563	6,356
Cu3273_A		496.5	ug/L	0.9280	0.1869	6,016
Fe2599_R		12,370	ug/L	130.7	1.056	12,580
K_7664_R		12,260	ug/L	118.6	0.9675	4,668
Li6707_R		492.8	ug/L	9.539	1.936	3,079
Mg2025_A		12,290	ug/L	45.44	0.3697	1,896
Mn2576_R		493.7	ug/L	4.098	0.8300	2,497
Mo2020_A		496.9	ug/L	0.9938	0.2000	848.4
Na5895_R		12,460	ug/L	90.48	0.7259	12,580
Ni2316_A		502.4	ug/L	0.1079	0.02147	870.5
Pb2203_A		498.0	ug/L	2.229	0.4475	426.6
Sb2068_A		489.6	ug/L	0.3454	0.07055	150.0
Se1960_A		482.8	ug/L	4.472	0.9264	77.86
Si2516_R	W	11,750	ug/L	246.9	2.102	3,041
Sn1899_A		493.0	ug/L	0.4666	0.09464	205.9
Sr4215_R		504.0	ug/L	5.902	1.171	16,450
Ti3349_A		495.2	ug/L	3.048	0.6156	11,350
Tl1908_A		497.0	ug/L	0.6875	0.1383	207.0
V_2924_A		497.2	ug/L	1.599	0.3216	6,076
Zn2062_A		495.4	ug/L	1.120	0.2262	1,407
Y_3600_R		11,967	Cts/S	64.384	0.53804	11,967
Y_2243_A		7,016.1	Cts/S	19.585	0.27914	7,016.1
Y_3600_A		203,020	Cts/S	247.53	0.12192	203,020

CCB

Method Name: K6010-2011 Method Revision: 830

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:51:01PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2122	ug/L	0.3100	146.1	-17.71
Al3961_R		-12.93	ug/L	13.87	107.3	-14.23
As1891_A		0.6762	ug/L	1.171	173.2	-0.9260
Au2427_A		-0.01385	ug/L	0.4975	3,592	1.597
B_2089_A		-1.350	ug/L	0.7322	54.23	3.866
Ba4554_R		0.1034	ug/L	0.08512	82.31	12.51
Be3130_R		0.01578	ug/L	0.009129	57.84	-18.01
Ca3158_R		9.919	ug/L	8.840	89.12	-5.994
Cd2265_A		0.04323	ug/L	0.002458	5.685	-1.397
Co2286_A		-0.3833	ug/L	0.01049	2.737	4.849
Cr2677_A		0.3523	ug/L	0.09434	26.78	6.653
Cu3273_A		-0.4866	ug/L	0.3314	68.10	32.91
Fe2599_R		1.206	ug/L	0.4480	37.15	7.955
K_7664_R		-93.53	ug/L	55.76	59.62	-83.06
Li6707_R		-2.799	ug/L	1.531	54.71	49.11
Mg2025_A		0.6395	ug/L	1.738	271.8	-0.8435
Mn2576_R		-0.06189	ug/L	0.04556	73.61	0.7813
Mo2020_A		-1.532	ug/L	0.5040	32.89	3.016
Na5895_R		20.00	ug/L	12.00	60.00	-82.86
Ni2316_A		-0.05417	ug/L	0.2665	492.0	-0.5055
Pb2203_A		-0.2091	ug/L	0.8211	392.6	0.2833
Sb2068_A		-2.872	ug/L	0.5800	20.19	1.084
Se1960_A		2.378	ug/L	2.210	92.93	0.7311
Si2516_R		-16.97	ug/L	5.183	30.55	8.250
Sn1899_A		0.2349	ug/L	0.3590	152.8	0.4724
Sr4215_R		0.4180	ug/L	0.05573	13.33	-20.94
Ti3349_A		0.3660	ug/L	0.004176	1.141	-7.288
Tl1908_A		1.914	ug/L	0.3663	19.14	0.8451
V_2924_A		0.2900	ug/L	0.2043	70.43	-1.871
Zn2062_A		-0.06382	ug/L	0.05069	79.44	1.475
Y_3600_R		11,951	Cts/S	137.84	1.1534	11,951
Y_2243_A		7,153.8	Cts/S	9.7211	0.13589	7,153.8
Y_3600_A		208,960	Cts/S	661.65	0.31663	208,960

SG4838-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:55:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1332	ug/L	0.3430	257.6	-23.94
Al3961_R		277.3	ug/L	5.007	1.806	107.6
As1891_A		2.378	ug/L	0.3426	14.41	-0.4799
Au2427_A		-0.8519	ug/L	0.2230	26.18	-0.5246
B_2089_A		22.06	ug/L	0.2870	1.301	22.86
Ba4554_R		29.82	ug/L	0.4498	1.508	803.3
Be3130_R		0.1795	ug/L	0.05052	28.14	-9.110
Ca3158_R	W	44,990	ug/L	797.5	1.772	29,530
Cd2265_A		0.2954	ug/L	0.05372	18.18	2.184
Co2286_A		3.681	ug/L	0.01970	0.5354	17.22
Cr2677_A		0.8271	ug/L	0.1011	12.23	12.92
Cu3273_A		5.690	ug/L	0.3868	6.798	108.0
Fe2599_R		1,340	ug/L	25.10	1.873	1,388
K_7664_R		1,683	ug/L	43.19	2.566	608.5
Li6707_R		-3.147	ug/L	0.5564	17.68	47.65
Mg2025_A		2,098	ug/L	10.01	0.4773	322.6
Mn2576_R		142.5	ug/L	2.440	1.713	731.4
Mo2020_A		-2.288	ug/L	0.009993	0.4367	1.690

SG4838-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 4:55:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		6,243	ug/L	130.0	2.082	6,340
Ni2316_A		2.567	ug/L	0.3195	12.45	3.965
Pb2203_A		0.5349	ug/L	0.2937	54.90	0.9272
Sb2068_A		-4.578	ug/L	0.5668	12.38	0.5572
Se1960_A		1.854	ug/L	2.583	139.3	0.6612
Si2516_R		4,730	ug/L	111.9	2.365	1,249
Sn1899_A		0.8369	ug/L	0.03626	4.332	0.7199
Sr4215_R		115.3	ug/L	2.502	2.170	3,790
Ti3349_A		-0.5204	ug/L	0.4312	82.86	-27.81
Tl1908_A		2.776	ug/L	0.3509	12.64	1.099
V_2924_A		0.6239	ug/L	0.1208	19.35	-1.989
Zn2062_A		42.34	ug/L	0.06302	0.1489	122.9
Y_3600_R		12,133	Cts/S	59.562	0.49090	12,133
Y_2243_A		7,071.6	Cts/S	10.232	0.14469	7,071.6
Y_3600_A		205,910	Cts/S	58.439	0.028380	205,910

SG4838-003

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:00:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.08502	ug/L	0.5360	630.5	-15.16
Al3961_R		60.95	ug/L	1.460	2.395	16.11
As1891_A		-0.3241	ug/L	0.4133	127.5	-1.197
Au2427_A		-0.5380	ug/L	1.094	203.3	-0.02586
B_2089_A		30.83	ug/L	0.2090	0.6780	29.97
Ba4554_R		14.77	ug/L	0.6915	4.682	389.7
Be3130_R		0.07011	ug/L	0.004938	7.044	-14.73
Ca3158_R	W	64,050	ug/L	588.9	0.9195	40,670
Cd2265_A		0.01958	ug/L	0.03280	167.6	-1.431
Co2286_A		0.05295	ug/L	0.1395	263.5	6.118
Cr2677_A		0.5582	ug/L	0.1462	26.19	9.375
Cu3273_A		0.8099	ug/L	0.1790	22.10	48.47
Fe2599_R		433.6	ug/L	4.691	1.082	438.8
K_7664_R		2,177	ug/L	52.22	2.398	774.9
Li6707_R		-3.082	ug/L	3.152	102.2	46.44
Mg2025_A		1,874	ug/L	13.41	0.7155	287.3
Mn2576_R		98.00	ug/L	0.4989	0.5091	486.9
Mo2020_A		-0.9396	ug/L	0.2297	24.45	3.986
Na5895_R		7,562	ug/L	102.0	1.349	7,449
Ni2316_A		2.700	ug/L	0.2196	8.133	4.266
Pb2203_A		-0.07711	ug/L	0.1086	140.9	0.3959
Sb2068_A		-2.521	ug/L	1.658	65.76	1.177
Se1960_A		1.047	ug/L	6.113	584.1	0.5187
Si2516_R		6,179	ug/L	33.54	0.5428	1,575
Sn1899_A		0.9561	ug/L	0.3614	37.80	0.7685
Sr4215_R		159.8	ug/L	2.060	1.289	5,094
Ti3349_A		-0.3918	ug/L	0.4464	113.9	-24.74
Tl1908_A		0.6631	ug/L	0.3233	48.75	0.2395
V_2924_A		0.1795	ug/L	0.2427	135.2	-6.360
Zn2062_A		1.625	ug/L	0.02723	1.676	6.279
Y_3600_R		11,738	Cts/S	56.272	0.47941	11,738
Y_2243_A		7,056.1	Cts/S	19.240	0.27267	7,056.1
Y_3600_A		206,810	Cts/S	6,692.6	3.2362	206,810

SG4838-004

Method Name: K6010-2011 Method Revision: 830

SG4838-004

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:04:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.04869	ug/L	0.1109	227.7	-14.82
Al3961_R		55.73	ug/L	1.425	2.557	14.32
As1891_A		0.4801	ug/L	0.1277	26.60	-0.9647
Au2427_A		-1.368	ug/L	0.4263	31.15	-2.347
B_2089_A		58.03	ug/L	0.2372	0.4086	51.87
Ba4554_R		10.32	ug/L	0.5897	5.716	282.1
Be3130_R		0.09088	ug/L	0.05862	64.51	-13.97
Ca3158_R	W	71,700	ug/L	1,234	1.720	46,670
Cd2265_A		0.001427	ug/L	0.1149	8,052	-1.836
Co2286_A		-0.04145	ug/L	0.1011	243.9	5.799
Cr2677_A		1.080	ug/L	0.08905	8.243	16.03
Cu3273_A		1.468	ug/L	0.8161	55.58	56.57
Fe2599_R		15.78	ug/L	2.596	16.45	22.91
K_7664_R		2,383	ug/L	29.43	1.235	873.9
Li6707_R		-2.073	ug/L	1.137	54.82	53.88
Mg2025_A		2,352	ug/L	32.30	1.373	359.7
Mn2576_R		14.61	ug/L	0.2087	1.429	75.33
Mo2020_A		-2.489	ug/L	0.08396	3.374	1.340
Na5895_R		8,666	ug/L	107.8	1.244	8,767
Ni2316_A		0.4463	ug/L	0.3211	71.94	0.3722
Pb2203_A		-0.8146	ug/L	1.258	154.5	-0.2564
Sb2068_A		-3.366	ug/L	0.3131	9.304	0.9198
Se1960_A		0.3332	ug/L	2.096	628.9	0.3936
Si2516_R		6,880	ug/L	96.03	1.396	1,796
Sn1899_A		0.3214	ug/L	0.9977	310.4	0.4986
Sr4215_R		184.9	ug/L	2.853	1.543	6,046
Ti3349_A		-0.3757	ug/L	0.07392	19.67	-24.54
Tl1908_A		0.4508	ug/L	1.490	330.5	0.2127
V_2924_A		0.2491	ug/L	0.04524	18.16	-2.783
Zn2062_A		2.355	ug/L	0.04454	1.891	8.339
Y_3600_R		12,032	Cts/S	106.70	0.88681	12,032
Y_2243_A		7,035.1	Cts/S	73.856	1.0498	7,035.1
Y_3600_A		206,700	Cts/S	920.86	0.44550	206,700

SG4874-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:09:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2362	ug/L	0.3522	149.1	-10.83
Al3961_R		52.50	ug/L	14.12	26.89	13.07
As1891_A		1.172	ug/L	1.915	163.4	-0.7846
Au2427_A		0.5430	ug/L	0.03981	7.331	1.785
B_2089_A		0.8961	ug/L	0.09768	10.90	5.612
Ba4554_R		7.374	ug/L	0.3105	4.211	206.3
Be3130_R		-0.02527	ug/L	0.02555	101.1	-20.56
Ca3158_R	W	45,000	ug/L	864.2	1.920	29,560
Cd2265_A		0.2741	ug/L	0.03193	11.65	1.346
Co2286_A		0.1332	ug/L	0.08251	61.96	6.370
Cr2677_A		1.131	ug/L	0.1070	9.468	17.09
Cu3273_A		1.109	ug/L	0.5123	46.21	51.75
Fe2599_R		172.1	ug/L	3.447	2.003	184.3
K_7664_R		2,717	ug/L	16.61	0.6113	1,013
Li6707_R		5.764	ug/L	3.841	66.65	102.9
Mg2025_A		11,940	ug/L	73.61	0.6167	1,838
Mn2576_R		390.4	ug/L	9.142	2.342	2,004
Mo2020_A		-2.681	ug/L	0.005132	0.1914	1.018

SG4874-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:09:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		12,420	ug/L	208.1	1.676	12,720
Ni2316_A		3.548	ug/L	0.5345	15.07	5.776
Pb2203_A		0.5298	ug/L	1.311	247.5	0.9142
Sb2068_A		-3.788	ug/L	0.3579	9.447	0.7948
Se1960_A		-1.652	ug/L	0.5005	30.30	0.1200
Si2516_R		9,485	ug/L	134.0	1.413	2,494
Sn1899_A		0.1764	ug/L	0.08668	49.14	0.4423
Sr4215_R		174.3	ug/L	1.971	1.131	5,752
Ti3349_A		0.1046	ug/L	0.4720	451.4	-13.20
Tl1908_A		2.203	ug/L	0.7024	31.88	0.6785
V_2924_A		1.332	ug/L	0.1988	14.93	-0.9604
Zn2062_A		6.994	ug/L	0.1047	1.496	21.65
Y_3600_R		12,145	Cts/S	61.539	0.50669	12,145
Y_2243_A		7,068.1	Cts/S	39.112	0.55337	7,068.1
Y_3600_A		205,090	Cts/S	586.74	0.28609	205,090

SG4874-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:13:38PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1466	ug/L	0.4023	274.4	-15.05
Al3961_R		53.38	ug/L	21.98	41.17	13.73
As1891_A		-0.9909	ug/L	1.209	122.0	-1.384
Au2427_A		-0.3072	ug/L	2.447	796.5	0.5214
B_2089_A		0.4231	ug/L	0.3155	74.58	5.217
Ba4554_R		3.834	ug/L	0.6752	17.61	114.3
Be3130_R		0.01011	ug/L	0.1140	1,128	-18.98
Ca3158_R	W	47,760	ug/L	510.3	1.068	32,010
Cd2265_A		0.2750	ug/L	0.0007313	0.2659	1.584
Co2286_A		0.3003	ug/L	0.02502	8.331	6.876
Cr2677_A		1.303	ug/L	0.7529	57.76	19.07
Cu3273_A		1.836	ug/L	0.09116	4.966	60.76
Fe2599_R		631.8	ug/L	5.343	0.8458	671.8
K_7664_R		2,784	ug/L	0.9604	0.03449	1,060
Li6707_R		17.78	ug/L	0.06653	0.3743	181.1
Mg2025_A		13,140	ug/L	18.08	0.1376	2,018
Mn2576_R		160.3	ug/L	0.6090	0.3798	840.3
Mo2020_A		-2.589	ug/L	0.03714	1.434	1.171
Na5895_R		16,100	ug/L	99.57	0.6186	16,860
Ni2316_A		4.067	ug/L	0.1832	4.506	6.624
Pb2203_A		-0.9690	ug/L	1.180	121.8	-0.3663
Sb2068_A		-2.565	ug/L	1.213	47.30	1.165
Se1960_A		3.152	ug/L	3.425	108.7	0.8671
Si2516_R		11,610	ug/L	39.34	0.3388	3,112
Sn1899_A		0.9017	ug/L	1.149	127.4	0.7447
Sr4215_R		158.0	ug/L	0.2249	0.1424	5,316
Ti3349_A		0.1707	ug/L	0.3493	204.6	-11.71
Tl1908_A		0.2735	ug/L	0.8798	321.7	0.03064
V_2924_A		0.8003	ug/L	0.2104	26.29	-0.3843
Zn2062_A		11.81	ug/L	0.003611	0.03057	35.34
Y_3600_R		12,391	Cts/S	4.1356	0.033376	12,391
Y_2243_A		7,049.5	Cts/S	4.8468	0.068754	7,049.5
Y_3600_A		205,740	Cts/S	448.81	0.21814	205,740

SG4874-002L

Method Name: K6010-2011 Method Revision: 830

SG4874-002L

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:18:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4304	ug/L	1.841	427.7	-16.07
Al3961_R		86.85	ug/L	30.87	35.54	-1.682
As1891_A		4.438	ug/L	3.207	72.25	-0.8623
Au2427_A		-3.545	ug/L	5.081	143.3	-0.4757
B_2089_A		-12.55	ug/L	1.411	11.25	2.836
Ba4554_R		2.720	ug/L	0.5190	19.08	24.57
Be3130_R		0.5293	ug/L	0.09592	18.12	-13.34
Ca3158_R		49,340	ug/L	1,372	2.781	6,514
Cd2265_A		0.1212	ug/L	0.4694	387.2	-1.534
Co2286_A		-0.7132	ug/L	1.097	153.8	5.538
Cr2677_A		1.792	ug/L	1.550	86.48	6.693
Cu3273_A		4.976	ug/L	0.7270	14.61	50.59
Fe2599_R		642.4	ug/L	10.56	1.643	140.3
K_7664_R		2,606	ug/L	328.3	12.60	156.8
Li6707_R		7.403	ug/L	1.775	23.98	76.94
Mg2025_A		13,550	ug/L	47.17	0.3481	417.3
Mn2576_R		167.6	ug/L	2.904	1.733	174.2
Mo2020_A		-15.11	ug/L	0.1739	1.151	0.4353
Na5895_R		16,630	ug/L	353.2	2.124	3,352
Ni2316_A		3.918	ug/L	0.6758	17.25	0.9515
Pb2203_A		-4.568	ug/L	4.944	108.2	-0.3277
Sb2068_A		-9.487	ug/L	2.248	23.69	1.371
Se1960_A		-12.79	ug/L	10.16	79.47	-0.07002
Si2516_R		11,660	ug/L	316.9	2.719	626.7
Sn1899_A		1.977	ug/L	1.415	71.55	0.5349
Sr4215_R		164.0	ug/L	6.613	4.033	1,060
Ti3349_A		0.1289	ug/L	0.3486	270.4	-15.12
Tl1908_A		-1.309	ug/L	4.219	322.3	-0.1026
V_2924_A		2.100	ug/L	1.682	80.10	-1.105
Zn2062_A		11.93	ug/L	0.5756	4.823	8.485
Y_3600_R		12,226	Cts/S	306.60	2.5077	12,226
Y_2243_A		7,080.9	Cts/S	29.957	0.42306	7,080.9
Y_3600_A		206,020	Cts/S	53.521	0.025979	206,020

SG4874-002A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:22:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		486.7	ug/L	3.782	0.7770	8,009
Al3961_R		9,950	ug/L	140.3	1.410	4,162
As1891_A		488.1	ug/L	1.584	0.3245	131.3
Au2427_A		1.338	ug/L	0.2809	21.00	6.679
B_2089_A		487.2	ug/L	4.400	0.9032	411.2
Ba4554_R		489.1	ug/L	7.028	1.437	12,960
Be3130_R		486.5	ug/L	6.630	1.363	26,960
Ca3158_R	W	53,760	ug/L	693.9	1.291	35,110
Cd2265_A		479.0	ug/L	5.233	1.092	5,412
Co2286_A		487.2	ug/L	6.574	1.349	1,476
Cr2677_A		487.4	ug/L	1.358	0.2786	6,151
Cu3273_A		490.0	ug/L	0.02489	0.005080	5,889
Fe2599_R		5,856	ug/L	101.8	1.738	6,011
K_7664_R		12,350	ug/L	213.6	1.729	4,746
Li6707_R		496.6	ug/L	3.470	0.6986	3,130
Mg2025_A		18,100	ug/L	218.4	1.207	2,769
Mn2576_R		641.8	ug/L	12.68	1.975	3,275
Mo2020_A		486.8	ug/L	2.759	0.5667	826.8

SG4874-002A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:22:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		21,600	ug/L	250.5	1.160	22,080
Ni2316_A		490.3	ug/L	5.215	1.064	845.4
Pb2203_A		487.0	ug/L	6.363	1.307	415.0
Sb2068_A		469.1	ug/L	4.191	0.8934	144.4
Se1960_A		480.7	ug/L	2.395	0.4983	77.10
Si2516_R		12,100	ug/L	209.3	1.729	3,162
Sn1899_A		0.5694	ug/L	0.8012	140.7	0.6010
Sr4215_R		639.2	ug/L	8.412	1.316	21,060
Ti3349_A		482.1	ug/L	3.184	0.6605	10,960
Tl1908_A		488.4	ug/L	6.276	1.285	202.2
V_2924_A		488.6	ug/L	2.039	0.4174	5,916
Zn2062_A		495.9	ug/L	6.065	1.223	1,401
Y_3600_R		12,073	Cts/S	2.7802	0.023028	12,073
Y_2243_A		6,978.2	Cts/S	61.927	0.88744	6,978.2
Y_3600_A		201,360	Cts/S	904.54	0.44922	201,360

SG4874-002P

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:27:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.23	ug/L	0.5061	0.9690	844.5
Al3961_R		2,048	ug/L	70.66	3.450	852.9
As1891_A		119.3	ug/L	2.966	2.487	31.42
Au2427_A		0.08371	ug/L	1.977	2,362	0.3259
B_2089_A		507.3	ug/L	1.274	0.2511	422.4
Ba4554_R	W	2,077	ug/L	47.20	2.273	54,960
Be3130_R		52.86	ug/L	0.9878	1.869	2,904
Ca3158_R	W	51,200	ug/L	1,289	2.517	33,420
Cd2265_A		250.6	ug/L	0.1025	0.04090	2,834
Co2286_A		524.4	ug/L	1.380	0.2632	1,591
Cr2677_A		209.5	ug/L	2.702	1.290	2,664
Cu3273_A		264.9	ug/L	4.113	1.553	3,216
Fe2599_R		1,675	ug/L	37.09	2.214	1,724
K_7664_R		12,940	ug/L	312.3	2.414	4,970
Li6707_R		516.6	ug/L	11.68	2.260	3,252
Mg2025_A		17,900	ug/L	25.70	0.1436	2,743
Mn2576_R		675.4	ug/L	16.54	2.449	3,444
Mo2020_A		302.4	ug/L	0.1430	0.04728	516.5
Na5895_R		23,810	ug/L	515.1	2.164	24,340
Ni2316_A		524.5	ug/L	0.5389	0.1027	905.9
Pb2203_A		102.5	ug/L	0.4339	0.4235	87.66
Sb2068_A		101.2	ug/L	0.1213	0.1199	31.30
Se1960_A		100.6	ug/L	1.080	1.074	16.49
Si2516_R		15,120	ug/L	244.4	1.616	3,945
Sn1899_A		504.6	ug/L	1.702	0.3372	209.9
Sr4215_R		658.7	ug/L	15.59	2.367	21,700
Ti3349_A		499.3	ug/L	10.15	2.033	11,430
Tl1908_A		102.5	ug/L	0.03293	0.03212	42.20
V_2924_A		522.2	ug/L	7.870	1.507	6,410
Zn2062_A		532.4	ug/L	1.060	0.1991	1,507
Y_3600_R		12,071	Cts/S	288.21	2.3876	12,071
Y_2243_A		6,989.9	Cts/S	8.3075	0.11885	6,989.9
Y_3600_A		202,800	Cts/S	1,794.3	0.88478	202,800

SG4874-002S

Method Name: K6010-2011 Method Revision: 830

SG4874-002S

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:31:25PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.80	ug/L	0.4644	0.8965	835.5
Al3961_R		2,002	ug/L	28.76	1.437	842.3
As1891_A		120.6	ug/L	0.2923	0.2424	31.46
Au2427_A		0.04627	ug/L	0.6123	1,323	0.2877
B_2089_A		514.9	ug/L	9.750	1.894	424.4
Ba4554_R	W	2,019	ug/L	33.66	1.667	53,970
Be3130_R		51.08	ug/L	0.8675	1.698	2,833
Ca3158_R	W	49,730	ug/L	736.6	1.481	32,790
Cd2265_A		251.8	ug/L	4.847	1.925	2,820
Co2286_A		525.4	ug/L	9.885	1.882	1,578
Cr2677_A		207.4	ug/L	1.648	0.7947	2,631
Cu3273_A		262.1	ug/L	1.913	0.7298	3,175
Fe2599_R		1,626	ug/L	26.97	1.659	1,690
K_7664_R		12,640	ug/L	166.2	1.315	4,902
Li6707_R		506.3	ug/L	7.748	1.530	3,221
Mg2025_A		17,930	ug/L	369.4	2.061	2,720
Mn2576_R		652.3	ug/L	10.04	1.539	3,359
Mo2020_A		306.3	ug/L	7.598	2.481	517.9
Na5895_R		23,210	ug/L	304.4	1.312	23,960
Ni2316_A		526.5	ug/L	10.28	1.952	900.5
Pb2203_A		103.2	ug/L	1.361	1.319	87.46
Sb2068_A		101.3	ug/L	1.327	1.310	31.02
Se1960_A		99.42	ug/L	6.026	6.061	16.13
Si2516_R		16,010	ug/L	301.1	1.880	4,219
Sn1899_A		509.0	ug/L	10.70	2.103	209.7
Sr4215_R		648.0	ug/L	11.71	1.806	21,560
Ti3349_A		502.1	ug/L	5.163	1.028	11,470
Tl1908_A		103.4	ug/L	0.7864	0.7602	42.17
V_2924_A		518.8	ug/L	4.945	0.9532	6,353
Zn2062_A		532.4	ug/L	10.16	1.907	1,493
Y_3600_R		12,189	Cts/S	77.544	0.63619	12,189
Y_2243_A		6,921.8	Cts/S	88.799	1.2829	6,921.8
Y_3600_A		202,330	Cts/S	1,991.3	0.98421	202,330

SG4874-003

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:35:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3458	ug/L	0.1852	53.56	-31.24
Al3961_R		2,697	ug/L	81.26	3.013	1,123
As1891_A		12.29	ug/L	2.218	18.05	2.133
Au2427_A		1.343	ug/L	0.2103	15.66	2.609
B_2089_A		32.76	ug/L	1.075	3.281	31.12
Ba4554_R		43.78	ug/L	0.5696	1.301	1,173
Be3130_R		0.1655	ug/L	0.02979	18.01	-12.29
Ca3158_R	W	90,890	ug/L	2,276	2.504	59,550
Cd2265_A		0.2651	ug/L	0.05937	22.39	3.215
Co2286_A		2.764	ug/L	0.1136	4.111	14.65
Cr2677_A		3.439	ug/L	0.3313	9.636	47.09
Cu3273_A		10.10	ug/L	0.3751	3.715	155.3
Fe2599_R		4,056	ug/L	101.2	2.494	4,179
K_7664_R		4,749	ug/L	154.2	3.248	1,801
Li6707_R		0.1425	ug/L	1.089	763.9	67.89
Mg2025_A		11,890	ug/L	72.08	0.6063	1,792
Mn2576_R	W	1,406	ug/L	31.51	2.241	7,193
Mo2020_A		5.529	ug/L	0.4840	8.753	14.73

SG4874-003

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:35:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	56,360	ug/L	1,251	2.219	57,970
Ni2316_A		5.271	ug/L	0.2520	4.782	8.288
Pb2203_A		4.318	ug/L	0.8099	18.76	3.903
Sb2068_A		-1.786	ug/L	1.691	94.66	1.402
Se1960_A		5.092	ug/L	0.7814	15.35	1.323
Si2516_R		12,150	ug/L	317.4	2.613	3,182
Sn1899_A		1.318	ug/L	0.7959	60.38	0.9023
Sr4215_R		472.9	ug/L	9.800	2.072	15,620
Ti3349_A		65.20	ug/L	0.05409	0.08296	1,458
Tl1908_A		1.399	ug/L	0.4193	29.97	-0.4020
V_2924_A		5.573	ug/L	0.1019	1.828	19.67
Zn2062_A		80.84	ug/L	0.7040	0.8708	228.0
Y_3600_R		12,113	Cts/S	127.23	1.0504	12,113
Y_2243_A		6,917.7	Cts/S	13.945	0.20159	6,917.7
Y_3600_A		200,020	Cts/S	139.54	0.069767	200,020

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:40:16PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		494.9	ug/L	3.838	0.7755	8,141
Al3961_R		12,320	ug/L	175.9	1.427	5,054
As1891_A		487.3	ug/L	1.854	0.3804	131.4
Au2427_A		490.1	ug/L	4.252	0.8675	1,404
B_2089_A		485.4	ug/L	3.286	0.6769	411.4
Ba4554_R		506.6	ug/L	3.673	0.7251	13,160
Be3130_R		500.3	ug/L	5.250	1.049	27,180
Ca3158_R		12,740	ug/L	109.8	0.8622	8,148
Cd2265_A		495.8	ug/L	3.487	0.7033	5,622
Co2286_A		501.1	ug/L	2.396	0.4781	1,523
Cr2677_A		503.9	ug/L	0.4997	0.09917	6,385
Cu3273_A		501.9	ug/L	0.6927	0.1380	6,056
Fe2599_R		12,440	ug/L	126.7	1.019	12,510
K_7664_R		12,390	ug/L	85.76	0.6921	4,667
Li6707_R		499.6	ug/L	7.006	1.402	3,087
Mg2025_A		12,330	ug/L	81.58	0.6614	1,898
Mn2576_R		499.8	ug/L	4.279	0.8562	2,501
Mo2020_A		499.3	ug/L	2.811	0.5630	850.5
Na5895_R		12,700	ug/L	99.78	0.7859	12,680
Ni2316_A		503.7	ug/L	2.106	0.4180	870.6
Pb2203_A		498.2	ug/L	3.574	0.7173	425.8
Sb2068_A		490.1	ug/L	2.077	0.4237	149.8
Se1960_A		484.4	ug/L	0.9667	0.1996	77.93
Si2516_R		11,920	ug/L	222.5	1.867	3,054
Sn1899_A		495.3	ug/L	3.121	0.6301	206.3
Sr4215_R		508.1	ug/L	5.511	1.085	16,410
Ti3349_A		497.2	ug/L	5.128	1.031	11,350
Tl1908_A		497.0	ug/L	1.871	0.3764	206.5
V_2924_A		498.1	ug/L	4.705	0.9446	6,062
Zn2062_A		496.5	ug/L	2.988	0.6018	1,407
Y_3600_R		11,837	Cts/S	46.510	0.39291	11,837
Y_2243_A		6,999.5	Cts/S	26.712	0.38163	6,999.5
Y_3600_A		202,190	Cts/S	122.60	0.060634	202,190

CCB

Method Name: K6010-2011 Method Revision: 830

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:44:36PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.007325	ug/L	0.3833	5,232	-14.30
Al3961_R		-9.786	ug/L	16.87	172.4	-12.91
As1891_A		-1.013	ug/L	0.8410	83.05	-1.395
Au2427_A		0.4006	ug/L	0.8035	200.6	2.808
B_2089_A		-1.656	ug/L	0.09988	6.031	3.631
Ba4554_R		-0.6072	ug/L	0.06360	10.47	-6.125
Be3130_R		0.03412	ug/L	0.04489	131.6	-16.99
Ca3158_R		5.894	ug/L	0.9344	15.85	-8.565
Cd2265_A		0.09222	ug/L	0.08941	96.95	-0.8288
Co2286_A		-0.2290	ug/L	0.02549	11.13	5.327
Cr2677_A		0.2809	ug/L	0.1403	49.93	5.768
Cu3273_A		-0.1417	ug/L	0.3547	250.2	37.47
Fe2599_R		-0.1642	ug/L	1.391	847.2	6.554
K_7664_R		-46.93	ug/L	58.19	124.0	-65.18
Li6707_R		-2.466	ug/L	0.9148	37.10	51.05
Mg2025_A		0.2927	ug/L	3.950	1,350	-0.8916
Mn2576_R		0.05215	ug/L	0.6416	1,230	1.344
Mo2020_A		-1.045	ug/L	0.1727	16.54	3.862
Na5895_R		38.68	ug/L	13.80	35.67	-63.98
Ni2316_A		0.2133	ug/L	0.3263	153.0	-0.03273
Pb2203_A		0.1945	ug/L	0.3896	200.3	0.6352
Sb2068_A		-1.771	ug/L	0.3433	19.39	1.423
Se1960_A		-0.1637	ug/L	1.714	1,047	0.3150
Si2516_R		-5.632	ug/L	16.35	290.2	11.16
Sn1899_A		0.5815	ug/L	0.09559	16.44	0.6199
Sr4215_R		-0.03153	ug/L	0.2351	745.6	-35.66
Ti3349_A		0.4547	ug/L	0.02907	6.392	-5.229
Tl1908_A		0.9863	ug/L	0.5184	52.56	0.4502
V_2924_A		0.4027	ug/L	0.007702	1.913	-0.4899
Zn2062_A		-0.005411	ug/L	0.1182	2,184	1.645
Y_3600_R		11,948	Cts/S	104.29	0.87287	11,948
Y_2243_A		7,155.3	Cts/S	20.897	0.29205	7,155.3
Y_3600_A		210,610	Cts/S	105.23	0.049962	210,610

PBWGG15ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:49:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1635	ug/L	0.4648	284.2	-11.76
Al3961_R		3.540	ug/L	1.735	49.00	-7.628
As1891_A		-0.2530	ug/L	1.666	658.6	-1.224
Au2427_A		-0.06483	ug/L	0.6269	967.1	1.500
B_2089_A		-2.987	ug/L	0.2338	7.825	2.565
Ba4554_R		0.3613	ug/L	0.3747	103.7	19.86
Be3130_R		0.05696	ug/L	0.05701	100.1	-16.23
Ca3158_R	F	135.4	ug/L	1.830	1.352	77.53
Cd2265_A		0.02660	ug/L	0.04228	158.9	-1.635
Co2286_A		-0.1397	ug/L	0.01041	7.452	5.777
Cr2677_A		0.6188	ug/L	0.1432	23.15	10.53
Cu3273_A		1.810	ug/L	0.05456	3.015	63.77
Fe2599_R		11.32	ug/L	5.081	44.90	18.79
K_7664_R		-98.91	ug/L	7.123	7.201	-87.94
Li6707_R		-7.922	ug/L	1.449	18.30	18.34
Mg2025_A	W	50.81	ug/L	2.047	4.030	7.206
Mn2576_R		-0.1569	ug/L	0.2038	129.9	0.3125
Mo2020_A		-2.597	ug/L	0.02324	0.8949	1.213

PBWGG15ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:49:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		80.38	ug/L	0.3133	0.3897	-22.21
Ni2316_A		0.7888	ug/L	0.06379	8.087	1.012
Pb2203_A		0.3046	ug/L	0.3896	127.9	0.7562
Sb2068_A		-3.838	ug/L	1.771	46.14	0.8108
Se1960_A		-2.416	ug/L	0.7740	32.03	-0.05500
Si2516_R		-5.956	ug/L	0.05552	0.9322	11.44
Sn1899_A		1.163	ug/L	0.4518	38.86	0.8949
Sr4215_R		0.5868	ug/L	0.3866	65.87	-15.91
Ti3349_A		-0.1466	ug/L	0.2163	147.5	-20.13
Tl1908_A		0.9324	ug/L	0.1145	12.28	0.4419
V_2924_A		0.2284	ug/L	0.4900	214.6	-2.672
Zn2062_A		2.473	ug/L	0.08025	3.246	9.103
Y_3600_R		12,327	Cts/S	16.127	0.13082	12,327
Y_2243_A		7,382.9	Cts/S	27.677	0.37488	7,382.9
Y_3600_A		216,890	Cts/S	677.08	0.31218	216,890

LCSWGG15ICW1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:53:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.09	ug/L	0.6121	1.175	883.5
Al3961_R		1,876	ug/L	0.2701	0.01440	809.8
As1891_A		95.43	ug/L	0.9659	1.012	25.94
Au2427_A		1.338	ug/L	0.2850	21.30	4.297
B_2089_A		515.2	ug/L	1.167	0.2266	444.7
Ba4554_R		1,992	ug/L	16.41	0.8236	54,710
Be3130_R		49.19	ug/L	0.3518	0.7150	2,803
Ca3158_R		2,544	ug/L	36.45	1.433	1,711
Cd2265_A		254.5	ug/L	0.1733	0.06811	2,994
Co2286_A		521.6	ug/L	0.3211	0.06157	1,647
Cr2677_A		201.0	ug/L	0.5463	0.2717	2,669
Cu3273_A		256.3	ug/L	1.141	0.4452	3,250
Fe2599_R		941.7	ug/L	9.454	1.004	1,009
K_7664_R		9,897	ug/L	64.26	0.6493	3,935
Li6707_R		482.0	ug/L	2.299	0.4769	3,154
Mg2025_A		5,130	ug/L	9.652	0.1882	829.9
Mn2576_R		492.6	ug/L	3.862	0.7840	2,607
Mo2020_A		259.7	ug/L	11.24	4.329	462.3
Na5895_R		7,564	ug/L	75.57	0.9992	7,952
Ni2316_A		525.1	ug/L	0.8103	0.1543	943.6
Pb2203_A		104.7	ug/L	0.6592	0.6293	93.30
Sb2068_A		99.86	ug/L	2.384	2.387	32.21
Se1960_A		98.24	ug/L	4.643	4.726	16.74
Si2516_R		4,378	ug/L	63.00	1.439	1,195
Sn1899_A		485.3	ug/L	6.103	1.257	210.1
Sr4215_R		492.7	ug/L	3.150	0.6393	16,830
Ti3349_A		477.8	ug/L	3.860	0.8079	11,410
Tl1908_A		106.5	ug/L	0.4119	0.3869	45.76
V_2924_A		497.4	ug/L	2.234	0.4491	6,381
Zn2062_A		522.2	ug/L	0.3364	0.06441	1,539
Y_3600_R		12,525	Cts/S	74.934	0.59827	12,525
Y_2243_A		7,272.9	Cts/S	1.2365	0.017001	7,272.9
Y_3600_A		211,680	Cts/S	478.30	0.22595	211,680

SG4845-001

Method Name: K6010-2011 Method Revision: 830

SG4845-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 5:58:05PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1607	ug/L	0.1984	123.4	-19.11
Al3961_R		1,317	ug/L	121.8	9.251	555.0
As1891_A		1.817	ug/L	1.184	65.15	-0.6299
Au2427_A		-0.1075	ug/L	0.4393	408.7	1.323
B_2089_A		2.990	ug/L	0.3131	10.47	7.757
Ba4554_R		4.269	ug/L	1.113	26.07	125.2
Be3130_R		0.01007	ug/L	0.02587	256.9	-19.14
Ca3158_R		5,572	ug/L	467.5	8.390	3,715
Cd2265_A		0.1023	ug/L	0.06348	62.08	-0.5575
Co2286_A		0.02525	ug/L	0.02120	83.95	6.300
Cr2677_A		1.493	ug/L	0.02381	1.595	22.08
Cu3273_A		2.707	ug/L	0.3292	12.16	73.89
Fe2599_R		320.6	ug/L	28.10	8.766	343.6
K_7664_R		539.0	ug/L	105.9	19.64	164.3
Li6707_R		-6.572	ug/L	0.2643	4.021	27.05
Mg2025_A		638.2	ug/L	0.03319	0.005201	100.9
Mn2576_R		61.93	ug/L	4.999	8.071	324.6
Mo2020_A		2.969	ug/L	0.9095	30.64	11.05
Na5895_R		5,559	ug/L	434.0	7.807	5,742
Ni2316_A		1.220	ug/L	0.4786	39.22	1.767
Pb2203_A		-0.3212	ug/L	0.4541	141.4	0.03130
Sb2068_A		-2.063	ug/L	1.633	79.16	1.370
Se1960_A		-0.4669	ug/L	2.146	459.6	0.2825
Si2516_R		2,560	ug/L	204.5	7.989	695.1
Sn1899_A		1.275	ug/L	1.704	133.6	0.9347
Sr4215_R		23.61	ug/L	1.582	6.700	762.6
Ti3349_A		5.823	ug/L	0.9012	15.48	123.9
Tl1908_A		1.761	ug/L	0.6471	36.75	0.7539
V_2924_A		1.730	ug/L	0.01599	0.9239	14.32
Zn2062_A		36.06	ug/L	0.1517	0.4207	108.5
Y_3600_R		12,399	Cts/S	825.54	6.6583	12,399
Y_2243_A		7,318.2	Cts/S	19.771	0.27016	7,318.2
Y_3600_A		212,820	Cts/S	561.03	0.26362	212,820

SG4856-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:02:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		5.302	ug/L	0.4997	9.425	73.06
Al3961_R		105.8	ug/L	13.59	12.85	34.48
As1891_A		22.57	ug/L	1.137	5.036	5.048
Au2427_A		-0.5814	ug/L	1.246	214.4	0.04756
B_2089_A		19.68	ug/L	0.6929	3.522	20.78
Ba4554_R		5.721	ug/L	0.5952	10.40	157.8
Be3130_R		0.1299	ug/L	0.08776	67.58	-11.88
Ca3158_R		13,760	ug/L	1,654	12.02	8,771
Cd2265_A		3.668	ug/L	0.01729	0.4713	39.84
Co2286_A		0.2826	ug/L	0.1915	67.77	6.775
Cr2677_A		4.399	ug/L	0.01075	0.2444	57.52
Cu3273_A		147.8	ug/L	0.2985	0.2020	1,808
Fe2599_R		216.4	ug/L	32.02	14.79	223.3
K_7664_R		18,640	ug/L	2,009	10.78	7,027
Li6707_R		-0.6792	ug/L	0.5786	85.19	61.67
Mg2025_A		4,055	ug/L	10.95	0.2700	618.1
Mn2576_R		8.426	ug/L	1.674	19.87	42.95
Mo2020_A		-0.2079	ug/L	0.2506	120.5	5.198

SG4856-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:02:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	173,200	ug/L	18,670	10.78	173,900
Ni2316_A		3.456	ug/L	0.02405	0.6958	5.565
Pb2203_A		1.303	ug/L	0.5297	40.66	1.544
Sb2068_A		-3.585	ug/L	0.04457	1.243	0.8528
Se1960_A		3.263	ug/L	0.4390	13.45	0.8586
Si2516_R		1,417	ug/L	175.7	12.40	372.6
Sn1899_A		1.107	ug/L	1.444	130.5	0.8261
Sr4215_R		126.9	ug/L	15.00	11.82	4,060
Ti3349_A		1.516	ug/L	0.1554	10.25	19.18
Tl1908_A		2.050	ug/L	0.8503	41.47	0.8685
V_2924_A		1.084	ug/L	0.2852	26.31	7.375
Zn2062_A		200.6	ug/L	0.2258	0.1126	570.4
Y_3600_R		11,860	Cts/S	997.10	8.4075	11,860
Y_2243_A		7,004.7	Cts/S	13.724	0.19592	7,004.7
Y_3600_A		201,550	Cts/S	547.50	0.27165	201,550

SG4857-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:07:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2372	ug/L	0.4650	196.0	-33.73
Al3961_R		2,676	ug/L	213.0	7.962	1,141
As1891_A		7.336	ug/L	1.486	20.26	1.771
Au2427_A		-2.325	ug/L	0.7443	32.01	-3.421
B_2089_A	W	7,281	ug/L	20.64	0.2835	5,555
Ba4554_R		68.04	ug/L	2.751	4.043	1,795
Be3130_R		-0.1215	ug/L	0.02683	22.08	-25.18
Ca3158_R	F	516,200	ug/L	30,490	5.908	334,100
Cd2265_A		-0.03482	ug/L	0.003987	11.45	-0.6353
Co2286_A		2.223	ug/L	0.2336	10.50	11.93
Cr2677_A		3.887	ug/L	0.04544	1.169	48.12
Cu3273_A		18.56	ug/L	0.8503	4.582	243.4
Fe2599_R		3,231	ug/L	201.9	6.250	3,289
K_7664_R	W	50,480	ug/L	2,399	4.752	19,370
Li6707_R		86.65	ug/L	6.619	7.640	595.7
Mg2025_A		5,241	ug/L	17.25	0.3293	755.7
Mn2576_R		180.7	ug/L	9.124	5.050	914.3
Mo2020_A	W	2,262	ug/L	22.54	0.9963	3,584
Na5895_R	F	202,700	ug/L	8,765	4.325	206,200
Ni2316_A		64.19	ug/L	1.013	1.578	107.6
Pb2203_A		-1.596	ug/L	1.425	89.26	-3.320
Sb2068_A		68.42	ug/L	2.669	3.901	20.24
Se1960_A		12.92	ug/L	6.852	53.03	2.277
Si2516_R		1,169	ug/L	65.59	5.609	320.8
Sn1899_A		1.879	ug/L	1.063	56.54	1.072
Sr4215_R		606.3	ug/L	30.90	5.097	19,800
Ti3349_A		2.865	ug/L	0.06919	2.415	69.73
Tl1908_A		-1.081	ug/L	0.4905	45.35	-0.5509
V_2924_A		25.41	ug/L	0.08296	0.3264	62.23
Zn2062_A		32.89	ug/L	0.4713	1.433	88.65
Y_3600_R		11,976	Cts/S	415.01	3.4653	11,976
Y_2243_A		6,544.1	Cts/S	22.628	0.34578	6,544.1
Y_3600_A		188,710	Cts/S	965.20	0.51148	188,710

SG4865-001

Method Name: K6010-2011 Method Revision: 830

SG4865-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:11:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		316.0	ug/L	3.342	1.058	2,589
Al3961_R	W	142,600	ug/L	520.3	0.3649	61,440
As1891_A		2.109	ug/L	0.6327	30.00	-11.62
Au2427_A		7.313	ug/L	2.146	29.34	316.8
B_2089_A	W	18,180	ug/L	29.62	0.1629	14,910
Ba4554_R		290.6	ug/L	0.7363	0.2534	7,935
Be3130_R		4.785	ug/L	0.03686	0.7702	247.3
Ca3158_R		5,204	ug/L	0.06814	0.001310	3,489
Cd2265_A		135.9	ug/L	0.03434	0.02527	1,802
Co2286_A		-2.726	ug/L	0.05643	2.070	11.16
Cr2677_A	W	1,484	ug/L	0.4353	0.02933	18,910
Cu3273_A	W	6,531	ug/L	6.804	0.1042	78,950
Fe2599_R	F	464,100	ug/L	6,811	1.467	490,300
K_7664_R	W	43,410	ug/L	79.38	0.1829	17,310
Li6707_R	W	1,916	ug/L	5.734	0.2993	12,240
Mg2025_A		1,565	ug/L	0.07136	0.004560	248.4
Mn2576_R	W	1,439	ug/L	3.893	0.2705	7,591
Mo2020_A		41.19	ug/L	3.215	7.806	76.80
Na5895_R	W	49,630	ug/L	194.5	0.3920	52,410
Ni2316_A		73.96	ug/L	0.1648	0.2228	89.90
Pb2203_A		215.5	ug/L	0.09471	0.04396	182.7
Sb2068_A		6.786	ug/L	1.521	22.42	10.47
Se1960_A		118.8	ug/L	4.487	3.777	21.77
Si2516_R		5,369	ug/L	3.753	0.06991	1,443
Sn1899_A		517.4	ug/L	0.6076	0.1174	219.2
Sr4215_R		34.37	ug/L	0.1210	0.3520	1,133
Ti3349_A		186.0	ug/L	1.286	0.6912	4,263
Tl1908_A		3.281	ug/L	0.4917	14.98	-0.2178
V_2924_A		35.67	ug/L	0.1761	0.4936	340.8
Zn2062_A	W	2,404	ug/L	6.292	0.2617	6,925
Y_3600_R		12,439	Cts/S	105.58	0.84879	12,439
Y_2243_A		7,119.5	Cts/S	2.3994	0.033701	7,119.5
Y_3600_A		203,330	Cts/S	882.86	0.43420	203,330

PBWGG15ICW2

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:16:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.688	ug/L	0.01886	1.117	14.66
Al3961_R		2.562	ug/L	0.3739	14.59	-7.793
As1891_A		-0.05395	ug/L	0.8484	1,572	-1.128
Au2427_A		-1.409	ug/L	0.6572	46.64	-2.435
B_2089_A	W	41.59	ug/L	6.506	15.64	39.48
Ba4554_R		0.2325	ug/L	0.2265	97.40	16.18
Be3130_R		0.1326	ug/L	0.01815	13.68	-11.78
Ca3158_R	F	148.7	ug/L	1.931	1.298	85.24
Cd2265_A		0.1049	ug/L	0.04335	41.34	-0.6567
Co2286_A		-0.1557	ug/L	0.2940	188.8	5.561
Cr2677_A		0.3013	ug/L	0.2173	72.12	6.004
Cu3273_A		2.015	ug/L	0.4148	20.59	64.11
Fe2599_R	W	54.79	ug/L	9.405	17.17	63.45
K_7664_R		-44.01	ug/L	31.04	70.52	-65.21
Li6707_R		-0.06048	ug/L	2.193	3,625	66.97
Mg2025_A		44.02	ug/L	0.4807	1.092	5.963
Mn2576_R		0.3063	ug/L	0.09125	29.79	2.688
Mo2020_A		4.954	ug/L	1.061	21.42	14.25

PBWGG15ICW2

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:16:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		91.50	ug/L	19.65	21.47	-10.50
Ni2316_A		0.2990	ug/L	0.1813	60.62	0.1280
Pb2203_A		0.6385	ug/L	0.5508	86.27	1.019
Sb2068_A		-2.551	ug/L	0.8873	34.79	1.182
Se1960_A		-1.070	ug/L	0.04531	4.233	0.1675
Si2516_R		1.326	ug/L	9.122	688.0	13.22
Sn1899_A		0.3655	ug/L	0.1097	30.01	0.5286
Sr4215_R		0.8171	ug/L	0.05981	7.320	-8.057
Ti3349_A		0.4433	ug/L	0.4174	94.17	-5.402
Tl1908_A		1.039	ug/L	0.7782	74.90	0.4727
V_2924_A		0.5302	ug/L	0.3880	73.17	0.4914
Zn2062_A		2.274	ug/L	0.01168	0.5136	8.256
Y_3600_R		12,155	Cts/S	117.41	0.96592	12,155
Y_2243_A		7,162.5	Cts/S	12.598	0.17588	7,162.5
Y_3600_A		209,460	Cts/S	24.603	0.011746	209,460

LCSWGG15ICW2

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:20:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.24	ug/L	0.9509	1.786	879.2
Al3961_R		1,987	ug/L	38.05	1.915	827.9
As1891_A		99.02	ug/L	0.4600	0.4646	26.24
Au2427_A		0.9476	ug/L	0.5282	55.74	3.037
B_2089_A		535.6	ug/L	3.180	0.5937	450.7
Ba4554_R		2,074	ug/L	52.48	2.531	54,900
Be3130_R		51.60	ug/L	1.371	2.657	2,834
Ca3158_R		2,651	ug/L	78.25	2.952	1,719
Cd2265_A		256.6	ug/L	1.071	0.4175	2,937
Co2286_A		534.2	ug/L	2.395	0.4483	1,640
Cr2677_A		210.2	ug/L	0.7004	0.3332	2,717
Cu3273_A		264.9	ug/L	0.6804	0.2569	3,268
Fe2599_R		1,020	ug/L	26.22	2.571	1,052
K_7664_R		10,130	ug/L	219.6	2.168	3,883
Li6707_R		505.1	ug/L	11.77	2.330	3,182
Mg2025_A		5,210	ug/L	28.07	0.5388	820.1
Mn2576_R		509.7	ug/L	11.51	2.258	2,600
Mo2020_A		311.1	ug/L	0.5131	0.1649	537.4
Na5895_R		7,693	ug/L	210.6	2.737	7,796
Ni2316_A		535.5	ug/L	2.044	0.3816	935.9
Pb2203_A		105.2	ug/L	0.8947	0.8501	91.10
Sb2068_A		103.2	ug/L	1.815	1.758	32.27
Se1960_A		101.3	ug/L	1.898	1.875	16.77
Si2516_R		4,601	ug/L	136.5	2.966	1,210
Sn1899_A		518.2	ug/L	0.2239	0.04320	218.1
Sr4215_R		511.8	ug/L	13.24	2.586	16,860
Ti3349_A		509.5	ug/L	0.3275	0.06427	11,850
Tl1908_A		105.1	ug/L	0.6022	0.5732	43.88
V_2924_A		518.7	ug/L	1.707	0.3291	6,475
Zn2062_A		525.3	ug/L	2.338	0.4451	1,505
Y_3600_R		12,073	Cts/S	145.06	1.2015	12,073
Y_2243_A		7,072.5	Cts/S	22.222	0.31420	7,072.5
Y_3600_A		206,100	Cts/S	395.49	0.19190	206,100

SG4839-001

Method Name: K6010-2011 Method Revision: 830

SG4839-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:25:07PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2380	ug/L	0.5457	229.3	-9.053
Al3961_R		194.8	ug/L	18.91	9.704	73.13
As1891_A		1.334	ug/L	0.7068	52.98	-0.6785
Au2427_A		-1.396	ug/L	0.07463	5.344	-2.235
B_2089_A		57.42	ug/L	0.4599	0.8009	47.90
Ba4554_R		99.81	ug/L	4.476	4.485	2,664
Be3130_R		-0.05159	ug/L	0.05190	100.6	-22.18
Ca3158_R	W	282,800	ug/L	12,730	4.500	185,600
Cd2265_A		0.1642	ug/L	0.09896	60.25	0.004001
Co2286_A		0.6947	ug/L	0.08017	11.54	7.497
Cr2677_A		15.20	ug/L	0.3087	2.031	180.6
Cu3273_A		6.700	ug/L	0.9071	13.54	109.7
Fe2599_R		13.36	ug/L	2.880	21.56	20.55
K_7664_R		4,411	ug/L	162.8	3.690	1,672
Li6707_R		12.83	ug/L	1.723	13.43	146.5
Mg2025_A	W	90,790	ug/L	336.9	0.3710	12,950
Mn2576_R		6.118	ug/L	0.8382	13.70	32.41
Mo2020_A		1.021	ug/L	0.5399	52.89	6.804
Na5895_R	W	199,600	ug/L	7,555	3.785	205,900
Ni2316_A		11.35	ug/L	0.5274	4.648	17.99
Pb2203_A		-1.333	ug/L	2.003	150.3	-0.6706
Sb2068_A		-2.939	ug/L	0.7311	24.88	1.017
Se1960_A		4.689	ug/L	3.352	71.49	1.016
Si2516_R		11,630	ug/L	496.4	4.266	3,053
Sn1899_A		0.6169	ug/L	0.6102	98.92	0.5811
Sr4215_R	W	1,247	ug/L	58.84	4.717	41,320
Ti3349_A		2.842	ug/L	0.1637	5.762	46.04
Tl1908_A		0.8950	ug/L	0.3362	37.57	0.3728
V_2924_A		0.6158	ug/L	0.07338	11.92	0.8400
Zn2062_A		85.91	ug/L	0.09476	0.1103	229.1
Y_3600_R		12,138	Cts/S	390.90	3.2205	12,138
Y_2243_A		6,545.6	Cts/S	16.391	0.25042	6,545.6
Y_3600_A		187,790	Cts/S	223.18	0.11885	187,790

SG4839-001L

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:29:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1226	ug/L	0.6659	543.3	-13.13
Al3961_R		310.2	ug/L	77.47	24.97	17.09
As1891_A		4.046	ug/L	5.400	133.5	-0.8610
Au2427_A		-2.195	ug/L	7.755	353.4	0.3504
B_2089_A		82.69	ug/L	4.077	4.931	18.04
Ba4554_R		99.65	ug/L	1.237	1.241	541.1
Be3130_R		0.4625	ug/L	0.4848	104.8	-14.07
Ca3158_R	W	290,500	ug/L	2,363	0.8132	38,210
Cd2265_A		0.3641	ug/L	0.1162	31.91	-1.022
Co2286_A		0.3572	ug/L	1.555	435.3	6.056
Cr2677_A		18.88	ug/L	0.02775	0.1470	49.35
Cu3273_A		6.431	ug/L	5.234	81.39	52.53
Fe2599_R		22.60	ug/L	8.749	38.71	11.49
K_7664_R		3,906	ug/L	286.0	7.323	256.9
Li6707_R		3.494	ug/L	5.222	149.4	71.55
Mg2025_A		91,640	ug/L	169.6	0.1850	2,768
Mn2576_R		2.517	ug/L	1.344	53.39	3.711
Mo2020_A		-4.842	ug/L	1.592	32.87	3.868

SG4839-001L

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:29:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	217,400	ug/L	1,902	0.8747	44,850
Ni2316_A		11.25	ug/L	1.579	14.04	3.456
Pb2203_A		1.843	ug/L	2.954	160.2	0.7537
Sb2068_A		-5.474	ug/L	0.7349	13.42	1.593
Se1960_A		4.686	ug/L	10.16	216.9	0.4799
Si2516_R		11,550	ug/L	51.62	0.4470	617.5
Sn1899_A		-0.01369	ug/L	0.8984	6,563	0.3599
Sr4215_R		1,261	ug/L	9.325	0.7396	8,343
Ti3349_A		0.6166	ug/L	1.632	264.7	-12.56
Tl1908_A		2.329	ug/L	0.9137	39.23	0.2223
V_2924_A		1.583	ug/L	0.7035	44.43	-1.728
Zn2062_A		98.95	ug/L	0.7282	0.7359	57.13
Y_3600_R		12,155	Cts/S	223.30	1.8371	12,155
Y_2243_A		6,931.1	Cts/S	3.0311	0.043732	6,931.1
Y_3600_A		200,380	Cts/S	4,869.6	2.4302	200,380

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:34:07PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		491.5	ug/L	1.501	0.3054	8,170
Al3961_R		12,260	ug/L	149.0	1.215	5,026
As1891_A		482.9	ug/L	2.903	0.6012	130.4
Au2427_A		486.4	ug/L	7.028	1.445	1,396
B_2089_A		491.0	ug/L	1.820	0.3706	416.7
Ba4554_R		502.0	ug/L	10.66	2.123	13,030
Be3130_R		495.9	ug/L	6.267	1.264	26,920
Ca3158_R		12,530	ug/L	328.6	2.622	8,011
Cd2265_A		494.2	ug/L	0.6436	0.1302	5,614
Co2286_A		499.0	ug/L	0.7491	0.1501	1,519
Cr2677_A		498.2	ug/L	1.077	0.2162	6,379
Cu3273_A		495.8	ug/L	0.3423	0.06904	6,044
Fe2599_R		12,290	ug/L	185.3	1.508	12,360
K_7664_R		12,290	ug/L	206.1	1.677	4,626
Li6707_R		498.9	ug/L	9.629	1.930	3,081
Mg2025_A		12,310	ug/L	22.69	0.1843	1,898
Mn2576_R		494.2	ug/L	8.639	1.748	2,471
Mo2020_A		498.2	ug/L	2.977	0.5975	850.2
Na5895_R		12,460	ug/L	279.5	2.244	12,430
Ni2316_A		501.7	ug/L	2.165	0.4317	868.7
Pb2203_A		497.7	ug/L	0.9683	0.1946	426.1
Sb2068_A		486.8	ug/L	0.8026	0.1649	149.1
Se1960_A		481.2	ug/L	0.9045	0.1880	77.57
Si2516_R	W	11,660	ug/L	264.0	2.264	2,986
Sn1899_A		492.8	ug/L	0.4431	0.08991	205.7
Sr4215_R		502.4	ug/L	8.079	1.608	16,220
Ti3349_A		492.9	ug/L	1.712	0.3473	11,370
Tl1908_A		498.7	ug/L	2.646	0.5306	207.6
V_2924_A		494.4	ug/L	1.315	0.2661	6,079
Zn2062_A		494.3	ug/L	0.4781	0.09672	1,403
Y_3600_R		11,833	Cts/S	192.45	1.6264	11,833
Y_2243_A		7,012.2	Cts/S	8.0716	0.11511	7,012.2
Y_3600_A		204,290	Cts/S	1,192.8	0.58388	204,290

CCB

Method Name: K6010-2011 Method Revision: 830

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:38:27PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2252	ug/L	0.2001	88.84	-17.92
Al3961_R		-15.34	ug/L	18.88	123.1	-15.25
As1891_A		-1.499	ug/L	0.2820	18.81	-1.529
Au2427_A		-0.4468	ug/L	0.005538	1.239	0.3371
B_2089_A		3.020	ug/L	0.4465	14.79	7.489
Ba4554_R		0.07989	ug/L	0.3848	481.7	11.95
Be3130_R		0.03844	ug/L	0.07294	189.8	-16.84
Ca3158_R		-2.551	ug/L	8.232	322.7	-14.07
Cd2265_A		0.04625	ug/L	0.07965	172.2	-1.361
Co2286_A		-0.2089	ug/L	0.2729	130.6	5.383
Cr2677_A		0.2476	ug/L	0.08649	34.93	5.271
Cu3273_A		0.2498	ug/L	0.1207	48.31	41.96
Fe2599_R		1.787	ug/L	0.5714	31.98	8.577
K_7664_R		-83.51	ug/L	21.55	25.80	-79.67
Li6707_R		-3.891	ug/L	3.490	89.70	42.51
Mg2025_A		2.136	ug/L	1.116	52.23	-0.6000
Mn2576_R		0.04100	ug/L	0.5572	1,359	1.313
Mo2020_A		-0.6017	ug/L	0.2989	49.67	4.623
Na5895_R		17.22	ug/L	15.24	88.51	-86.12
Ni2316_A		0.3345	ug/L	0.3463	103.5	0.1825
Pb2203_A		1.257	ug/L	0.8293	66.00	1.566
Sb2068_A		-1.247	ug/L	2.271	182.1	1.584
Se1960_A		0.4606	ug/L	2.895	628.5	0.4174
Si2516_R		-13.76	ug/L	4.651	33.81	9.125
Sn1899_A		-0.06991	ug/L	0.4508	644.8	0.3425
Sr4215_R		0.04736	ug/L	0.1256	265.2	-33.18
Ti3349_A		0.3203	ug/L	0.02743	8.564	-8.340
Tl1908_A		3.056	ug/L	0.6293	20.59	1.330
V_2924_A		0.2646	ug/L	0.04488	16.96	-2.290
Zn2062_A		-0.06911	ug/L	0.1021	147.8	1.459
Y_3600_R		11,998	Cts/S	45.460	0.37888	11,998
Y_2243_A		7,148.1	Cts/S	10.757	0.15048	7,148.1
Y_3600_A		208,510	Cts/S	1,292.5	0.61987	208,510

SG4839-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:42:59PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		488.2	ug/L	4.281	0.8769	7,496
Al3961_R		9,986	ug/L	126.2	1.264	4,075
As1891_A		493.6	ug/L	3.890	0.7882	125.9
Au2427_A		-0.3282	ug/L	1.129	344.1	2.035
B_2089_A		524.9	ug/L	0.1518	0.02893	418.5
Ba4554_R		575.0	ug/L	3.833	0.6665	14,860
Be3130_R		479.3	ug/L	3.950	0.8241	25,910
Ca3158_R	W	291,200	ug/L	1,833	0.6294	185,600
Cd2265_A		471.6	ug/L	0.9232	0.1958	5,051
Co2286_A		475.6	ug/L	0.5789	0.1217	1,367
Cr2677_A		492.3	ug/L	2.252	0.4574	5,794
Cu3273_A		493.2	ug/L	3.773	0.7650	5,528
Fe2599_R		5,122	ug/L	77.64	1.516	5,129
K_7664_R		14,240	ug/L	135.7	0.9530	5,344
Li6707_R		495.7	ug/L	2.920	0.5891	3,048
Mg2025_A	W	93,460	ug/L	154.6	0.1654	13,490
Mn2576_R		470.0	ug/L	5.352	1.139	2,339
Mo2020_A		485.2	ug/L	3.781	0.7793	781.3

SG4839-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:42:59PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	205,800	ug/L	284.7	0.1383	206,100
Ni2316_A		486.1	ug/L	1.366	0.2810	794.8
Pb2203_A		463.5	ug/L	1.602	0.3457	374.4
Sb2068_A		482.8	ug/L	3.191	0.6611	140.8
Se1960_A		497.8	ug/L	13.15	2.642	75.66
Si2516_R		12,000	ug/L	182.8	1.524	3,058
Sn1899_A		0.4673	ug/L	0.6756	144.6	0.5286
Sr4215_R	W	1,723	ug/L	11.05	0.6413	55,430
Ti3349_A		482.3	ug/L	4.773	0.9896	10,220
Tl1908_A		450.9	ug/L	2.073	0.4598	177.1
V_2924_A		491.0	ug/L	4.780	0.9736	5,550
Zn2062_A		566.1	ug/L	2.253	0.3980	1,516
Y_3600_R		11,777	Cts/S	16.767	0.14237	11,777
Y_2243_A		6,616.2	Cts/S	15.166	0.22923	6,616.2
Y_3600_A		187,780	Cts/S	606.45	0.32296	187,780

SG4839-001S

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:47:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.99	ug/L	0.5080	0.9409	814.6
Al3961_R		2,228	ug/L	71.19	3.195	908.0
As1891_A		105.4	ug/L	2.360	2.240	25.96
Au2427_A		-0.8655	ug/L	1.546	178.7	-2.021
B_2089_A		571.8	ug/L	1.993	0.3485	445.7
Ba4554_R	W	2,170	ug/L	63.85	2.942	56,170
Be3130_R		52.51	ug/L	2.084	3.968	2,820
Ca3158_R	W	287,800	ug/L	8,018	2.786	183,800
Cd2265_A		256.4	ug/L	1.207	0.4707	2,722
Co2286_A		524.7	ug/L	4.607	0.8780	1,495
Cr2677_A		224.5	ug/L	1.409	0.6278	2,650
Cu3273_A		273.0	ug/L	1.688	0.6183	3,076
Fe2599_R		1,025	ug/L	40.80	3.981	1,034
K_7664_R		15,080	ug/L	333.4	2.211	5,673
Li6707_R		538.0	ug/L	18.74	3.484	3,309
Mg2025_A	W	94,190	ug/L	612.5	0.6503	13,490
Mn2576_R		507.7	ug/L	14.43	2.843	2,532
Mo2020_A		317.4	ug/L	1.156	0.3640	508.7
Na5895_R	F	204,100	ug/L	4,480	2.195	204,800
Ni2316_A		535.6	ug/L	2.786	0.5201	868.5
Pb2203_A		99.54	ug/L	2.285	2.296	79.90
Sb2068_A		106.5	ug/L	0.3568	0.3349	30.92
Se1960_A		112.4	ug/L	6.164	5.484	17.22
Si2516_R		16,310	ug/L	544.0	3.335	4,161
Sn1899_A		511.8	ug/L	4.743	0.9266	199.9
Sr4215_R	W	1,762	ug/L	54.74	3.107	56,810
Ti3349_A		523.4	ug/L	6.137	1.173	11,120
Tl1908_A		100.4	ug/L	1.371	1.365	38.88
V_2924_A		537.7	ug/L	6.889	1.281	6,132
Zn2062_A		623.9	ug/L	2.720	0.4361	1,658
Y_3600_R		11,806	Cts/S	215.14	1.8223	11,806
Y_2243_A		6,561.8	Cts/S	28.270	0.43082	6,561.8
Y_3600_A		188,260	Cts/S	788.70	0.41894	188,260

SG4839-001P

Method Name: K6010-2011 Method Revision: 830

SG4839-001P

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:51:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.07	ug/L	0.9294	1.719	820.1
Al3961_R		2,225	ug/L	66.06	2.970	897.8
As1891_A		106.4	ug/L	1.887	1.772	26.36
Au2427_A		0.2858	ug/L	0.2866	100.3	1.049
B_2089_A		575.0	ug/L	0.1891	0.03289	450.3
Ba4554_R	W	2,195	ug/L	78.65	3.584	56,240
Be3130_R		52.78	ug/L	2.031	3.848	2,807
Ca3158_R	W	293,600	ug/L	9,758	3.323	185,700
Cd2265_A		257.8	ug/L	0.1525	0.05915	2,750
Co2286_A		524.9	ug/L	0.6663	0.1269	1,502
Cr2677_A		222.9	ug/L	0.5828	0.2614	2,646
Cu3273_A		272.2	ug/L	0.1169	0.04294	3,083
Fe2599_R		1,025	ug/L	37.03	3.612	1,024
K_7664_R		15,240	ug/L	452.0	2.966	5,676
Li6707_R		548.9	ug/L	17.76	3.236	3,342
Mg2025_A	W	94,830	ug/L	57.29	0.06042	13,640
Mn2576_R		513.1	ug/L	18.34	3.575	2,534
Mo2020_A		317.9	ug/L	1.522	0.4789	511.9
Na5895_R	F	206,200	ug/L	5,522	2.677	205,000
Ni2316_A		536.1	ug/L	0.7471	0.1394	873.5
Pb2203_A		99.92	ug/L	1.020	1.021	80.59
Sb2068_A		107.1	ug/L	1.287	1.202	31.23
Se1960_A		110.6	ug/L	1.429	1.292	17.04
Si2516_R		16,560	ug/L	571.5	3.450	4,183
Sn1899_A		510.6	ug/L	0.9004	0.1764	200.3
Sr4215_R	W	1,791	ug/L	68.35	3.816	57,170
Ti3349_A		525.1	ug/L	3.350	0.6380	11,220
Tl1908_A		102.0	ug/L	1.296	1.271	39.66
V_2924_A		537.1	ug/L	4.161	0.7746	6,158
Zn2062_A		616.6	ug/L	0.4898	0.07945	1,647
Y_3600_R		11,690	Cts/S	235.24	2.0123	11,690
Y_2243_A		6,593.2	Cts/S	3.7492	0.056865	6,593.2
Y_3600_A		189,280	Cts/S	335.16	0.17708	189,280

SG4839-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:56:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1262	ug/L	0.2343	185.6	-16.88
Al3961_R		47.57	ug/L	17.34	36.44	10.99
As1891_A		0.5668	ug/L	0.1414	24.95	-0.9372
Au2427_A		0.8291	ug/L	0.5644	68.07	1.799
B_2089_A		43.85	ug/L	0.4786	1.091	40.24
Ba4554_R		6.441	ug/L	0.1682	2.611	178.7
Be3130_R		0.03710	ug/L	0.09782	263.7	-16.85
Ca3158_R	W	57,060	ug/L	979.5	1.716	36,930
Cd2265_A		0.06555	ug/L	0.02720	41.49	-1.019
Co2286_A		0.7572	ug/L	0.1268	16.75	8.196
Cr2677_A		2.554	ug/L	0.1985	7.775	35.38
Cu3273_A		1.565	ug/L	0.7715	49.30	56.76
Fe2599_R		184.8	ug/L	6.167	3.338	194.4
K_7664_R		1,640	ug/L	35.21	2.147	583.3
Li6707_R		0.4481	ug/L	0.7724	172.4	69.02
Mg2025_A		17,930	ug/L	19.38	0.1081	2,731
Mn2576_R		597.2	ug/L	14.60	2.445	3,019
Mo2020_A		1.417	ug/L	0.1145	8.079	7.932

SG4839-002

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 6:56:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	26,350	ug/L	454.3	1.724	26,720
Ni2316_A		1.754	ug/L	0.08217	4.686	2.619
Pb2203_A		-0.8895	ug/L	0.6113	68.73	-0.3121
Sb2068_A		-3.197	ug/L	0.08525	2.666	0.9657
Se1960_A		0.002586	ug/L	0.08757	3,387	0.4086
Si2516_R		9,866	ug/L	234.1	2.373	2,555
Sn1899_A		1.037	ug/L	0.5368	51.76	0.7948
Sr4215_R		167.5	ug/L	3.929	2.345	5,445
Ti3349_A		2.333	ug/L	1.966	84.25	38.26
Tl1908_A		2.896	ug/L	1.122	38.74	0.8111
V_2924_A		1.790	ug/L	0.4686	26.18	-2.203
Zn2062_A		3.030	ug/L	0.03643	1.202	10.19
Y_3600_R		11,967	Cts/S	225.69	1.8860	11,967
Y_2243_A		6,990.1	Cts/S	1.5233	0.021792	6,990.1
Y_3600_A		203,460	Cts/S	850.79	0.41817	203,460

SG4839-003

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:00:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4272	ug/L	0.04651	10.89	-23.19
Al3961_R		421.0	ug/L	1.076	0.2555	160.5
As1891_A		1.061	ug/L	0.9602	90.48	-0.7848
Au2427_A		-1.473	ug/L	0.8508	57.76	-2.147
B_2089_A		42.66	ug/L	0.7947	1.863	37.75
Ba4554_R		51.44	ug/L	0.8370	1.627	1,317
Be3130_R		0.08094	ug/L	0.02639	32.61	-14.91
Ca3158_R	W	176,700	ug/L	2,319	1.313	110,800
Cd2265_A		0.09799	ug/L	0.02672	27.27	-0.3858
Co2286_A		12.15	ug/L	0.1949	1.604	41.14
Cr2677_A		39.96	ug/L	0.3030	0.7582	479.6
Cu3273_A		6.792	ug/L	1.140	16.79	111.8
Fe2599_R		642.7	ug/L	11.40	1.773	639.4
K_7664_R		3,635	ug/L	83.95	2.310	1,309
Li6707_R		14.34	ug/L	2.341	16.33	149.0
Mg2025_A	W	50,190	ug/L	277.4	0.5528	7,364
Mn2576_R		13.43	ug/L	0.07051	0.5249	66.88
Mo2020_A		-1.408	ug/L	0.5256	37.34	3.047
Na5895_R	F	256,600	ug/L	1,185	0.4619	252,900
Ni2316_A		5.356	ug/L	0.4615	8.616	8.469
Pb2203_A		-1.365	ug/L	0.2355	17.25	-0.7356
Sb2068_A		-3.744	ug/L	1.679	44.84	0.9084
Se1960_A		4.179	ug/L	3.686	88.21	0.9684
Si2516_R		11,860	ug/L	198.9	1.676	2,975
Sn1899_A		-0.3869	ug/L	0.3650	94.33	0.1962
Sr4215_R		731.9	ug/L	11.82	1.615	23,160
Ti3349_A		25.73	ug/L	4.999	19.43	540.1
Tl1908_A		2.854	ug/L	0.1526	5.347	1.163
V_2924_A		1.348	ug/L	0.2345	17.39	8.289
Zn2062_A		26.67	ug/L	0.03935	0.1476	74.12
Y_3600_R		11,593	Cts/S	107.00	0.92299	11,593
Y_2243_A		6,732.7	Cts/S	25.692	0.38160	6,732.7
Y_3600_A		190,860	Cts/S	999.23	0.52353	190,860

SG4839-004

Method Name: K6010-2011 Method Revision: 830

SG4839-004

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:05:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3810	ug/L	0.04655	12.22	-18.81
Al3961_R		235.3	ug/L	12.98	5.514	86.74
As1891_A		0.2345	ug/L	0.2659	113.4	-0.9685
Au2427_A		-1.448	ug/L	0.7513	51.88	-2.399
B_2089_A		43.75	ug/L	0.08706	0.1990	37.87
Ba4554_R		105.1	ug/L	0.9938	0.9456	2,707
Be3130_R		-0.06486	ug/L	0.01961	30.24	-22.05
Ca3158_R	W	298,900	ug/L	3,547	1.187	189,300
Cd2265_A		0.1190	ug/L	0.08715	73.23	-0.4802
Co2286_A		0.7893	ug/L	0.03288	4.165	7.834
Cr2677_A		15.70	ug/L	0.4445	2.832	188.6
Cu3273_A		7.858	ug/L	0.4420	5.625	124.1
Fe2599_R		11.40	ug/L	0.5638	4.946	17.92
K_7664_R		4,527	ug/L	116.7	2.577	1,657
Li6707_R		13.37	ug/L	0.8717	6.520	144.7
Mg2025_A	W	91,840	ug/L	133.0	0.1448	13,220
Mn2576_R		7.599	ug/L	0.04425	0.5823	38.64
Mo2020_A		-1.860	ug/L	0.02651	1.425	2.266
Na5895_R	F	203,000	ug/L	971.6	0.4787	202,000
Ni2316_A		10.69	ug/L	0.5727	5.359	17.07
Pb2203_A		-0.6287	ug/L	0.1581	25.15	-0.1114
Sb2068_A		-1.649	ug/L	0.5143	31.19	1.399
Se1960_A		3.139	ug/L	5.298	168.7	0.7924
Si2516_R		12,090	ug/L	86.59	0.7163	3,060
Sn1899_A		-0.2870	ug/L	0.5105	177.9	0.2312
Sr4215_R	W	1,306	ug/L	15.65	1.199	41,740
Ti3349_A		2.532	ug/L	0.2867	11.32	39.90
Tl1908_A		0.7040	ug/L	0.1730	24.57	0.3005
V_2924_A		0.5762	ug/L	0.1588	27.56	0.5980
Zn2062_A		94.14	ug/L	0.1128	0.1199	253.3
Y_3600_R		11,704	Cts/S	88.611	0.75711	11,704
Y_2243_A		6,607.3	Cts/S	20.465	0.30973	6,607.3
Y_3600_A		189,910	Cts/S	351.02	0.18484	189,910

SG4839-006

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:09:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1855	ug/L	0.08490	45.76	-21.96
Al3961_R		401.4	ug/L	31.02	7.727	153.5
As1891_A		1.834	ug/L	1.594	86.93	-0.6047
Au2427_A		1.848	ug/L	0.2457	13.29	3.124
B_2089_A		40.65	ug/L	0.06127	0.1507	37.22
Ba4554_R		13.54	ug/L	0.3174	2.344	355.9
Be3130_R		0.006684	ug/L	0.09383	1,404	-18.64
Ca3158_R	W	64,170	ug/L	1,482	2.310	40,490
Cd2265_A		0.01678	ug/L	0.05725	341.2	-1.180
Co2286_A		6.580	ug/L	0.08778	1.334	25.63
Cr2677_A		1.999	ug/L	0.1930	9.653	28.82
Cu3273_A		2.928	ug/L	0.3377	11.53	72.06
Fe2599_R		908.0	ug/L	23.75	2.616	905.9
K_7664_R		1,870	ug/L	94.59	5.059	654.6
Li6707_R		2.712	ug/L	1.508	55.59	80.80
Mg2025_A		19,240	ug/L	24.77	0.1287	2,900
Mn2576_R	W	1,122	ug/L	28.73	2.561	5,527
Mo2020_A		-0.3711	ug/L	0.1845	49.72	4.860

SG4839-006

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:09:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	28,680	ug/L	684.7	2.387	28,360
Ni2316_A		3.930	ug/L	0.04551	1.158	6.247
Pb2203_A		0.5266	ug/L	0.02318	4.403	0.8735
Sb2068_A		-2.052	ug/L	0.8848	43.12	1.301
Se1960_A		0.001568	ug/L	3.139	200,100	0.4711
Si2516_R		11,230	ug/L	328.0	2.922	2,832
Sn1899_A		0.4701	ug/L	0.3563	75.79	0.5535
Sr4215_R		185.0	ug/L	4.741	2.563	5,864
Ti3349_A		18.91	ug/L	0.5950	3.147	415.3
Tl1908_A		1.800	ug/L	0.3226	17.93	-0.01695
V_2924_A		3.421	ug/L	0.01230	0.3595	2.124
Zn2062_A		3.725	ug/L	0.01650	0.4430	12.03
Y_3600_R		11,665	Cts/S	184.51	1.5818	11,665
Y_2243_A		6,917.4	Cts/S	3.7628	0.054396	6,917.4
Y_3600_A		201,580	Cts/S	1,032.9	0.51243	201,580

SG4839-007

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:14:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		14.63	ug/L	0.5584	3.816	-286.7
Al3961_R		263.2	ug/L	11.82	4.491	93.85
As1891_A	F	-13.72	ug/L	0.4612	3.361	-6.240
Au2427_A		212.0	ug/L	2.967	1.399	309.0
B_2089_A		36.14	ug/L	0.8524	2.358	29.79
Ba4554_R		41.25	ug/L	0.7533	1.826	1,024
Be3130_R		-0.1170	ug/L	0.07777	66.49	-20.58
Ca3158_R	W	418,000	ug/L	9,881	2.364	253,700
Cd2265_A		0.07804	ug/L	0.08062	103.3	41.85
Co2286_A		206.2	ug/L	3.295	1.598	556.8
Cr2677_A		1.456	ug/L	0.2135	14.66	123.7
Cu3273_A		6.304	ug/L	0.4779	7.581	95.49
Fe2599_R	W	96,250	ug/L	190.8	0.1982	91,690
K_7664_R		9,775	ug/L	45.87	0.4692	3,479
Li6707_R		36.65	ug/L	1.356	3.699	272.1
Mg2025_A	W	161,600	ug/L	1,963	1.215	21,750
Mn2576_R	F	82,860	ug/L	267.3	0.3226	392,600
Mo2020_A		-8.536	ug/L	0.3660	4.288	-7.895
Na5895_R	F	576,700	ug/L	19,200	3.329	550,200
Ni2316_A		82.44	ug/L	1.327	1.609	118.2
Pb2203_A		17.95	ug/L	0.1775	0.9887	16.29
Sb2068_A		-4.405	ug/L	2.087	47.36	0.8578
Se1960_A		4.846	ug/L	2.246	46.36	10.28
Si2516_R		19,530	ug/L	233.2	1.194	4,729
Sn1899_A		0.07546	ug/L	0.2664	353.0	0.3487
Sr4215_R	W	1,699	ug/L	7.010	0.4127	52,050
Ti3349_A		3.613	ug/L	0.1219	3.374	59.53
Tl1908_A		22.03	ug/L	2.980	13.53	-43.56
V_2924_A		164.5	ug/L	1.041	0.6331	-472.8
Zn2062_A		14.94	ug/L	0.3556	2.380	38.77
Y_3600_R		11,217	Cts/S	14.753	0.13152	11,217
Y_2243_A		6,174.2	Cts/S	70.808	1.1468	6,174.2
Y_3600_A		179,490	Cts/S	709.66	0.39537	179,490

SG4839-008

Method Name: K6010-2011 Method Revision: 830

SG4839-008

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:18:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.039	ug/L	0.4734	45.55	-40.25
Al3961_R		109.2	ug/L	13.96	12.78	34.98
As1891_A		0.4408	ug/L	0.5067	114.9	-1.126
Au2427_A		14.76	ug/L	0.4605	3.120	24.72
B_2089_A		72.75	ug/L	0.2926	0.4022	62.15
Ba4554_R		14.33	ug/L	0.3631	2.534	369.4
Be3130_R		0.04840	ug/L	0.08013	165.6	-15.30
Ca3158_R	W	73,130	ug/L	2,061	2.818	45,340
Cd2265_A		0.07647	ug/L	0.02825	36.94	2.877
Co2286_A		5.947	ug/L	0.1214	2.042	23.55
Cr2677_A		0.6571	ug/L	0.07670	11.67	18.63
Cu3273_A		1.452	ug/L	1.036	71.35	53.35
Fe2599_R		7,818	ug/L	259.6	3.320	7,616
K_7664_R		3,398	ug/L	123.4	3.632	1,206
Li6707_R		1.241	ug/L	3.519	283.6	70.87
Mg2025_A	W	28,880	ug/L	9.414	0.03259	4,308
Mn2576_R	W	6,108	ug/L	188.8	3.092	29,570
Mo2020_A		0.9235	ug/L	0.2201	23.83	6.946
Na5895_R	W	42,960	ug/L	1,321	3.075	41,790
Ni2316_A		7.427	ug/L	0.1165	1.569	11.52
Pb2203_A		-0.8461	ug/L	0.2648	31.30	-0.07022
Sb2068_A		-1.805	ug/L	0.07629	4.226	1.381
Se1960_A		2.042	ug/L	2.337	114.4	1.409
Si2516_R		11,650	ug/L	365.1	3.135	2,888
Sn1899_A		0.2513	ug/L	0.9435	375.4	0.4586
Sr4215_R		245.9	ug/L	8.157	3.317	7,672
Ti3349_A		1.693	ug/L	0.09142	5.401	22.73
Tl1908_A		1.785	ug/L	0.3767	21.11	-3.477
V_2924_A		13.58	ug/L	0.4467	3.289	-25.90
Zn2062_A		4.187	ug/L	0.0001004	0.002397	13.19
Y_3600_R		11,464	Cts/S	166.02	1.4482	11,464
Y_2243_A		6,843.6	Cts/S	2.9411	0.042976	6,843.6
Y_3600_A		197,410	Cts/S	266.90	0.13520	197,410

SG4839-009

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:23:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5486	ug/L	0.8434	153.7	-32.81
Al3961_R		188.8	ug/L	19.37	10.26	68.19
As1891_A		0.3022	ug/L	0.3115	103.1	-1.001
Au2427_A		0.5007	ug/L	0.8431	168.4	3.182
B_2089_A		37.59	ug/L	0.1338	0.3558	37.00
Ba4554_R		22.40	ug/L	0.3067	1.369	575.4
Be3130_R		0.07129	ug/L	0.08001	112.2	-14.59
Ca3158_R	W	49,620	ug/L	674.5	1.359	30,930
Cd2265_A		-0.01144	ug/L	0.02571	224.7	-1.040
Co2286_A		-0.005380	ug/L	0.1297	2,411	5.891
Cr2677_A		1.440	ug/L	0.5182	35.98	20.29
Cu3273_A		0.6752	ug/L	0.3049	45.16	44.79
Fe2599_R		1,842	ug/L	42.48	2.307	1,809
K_7664_R		5,548	ug/L	73.02	1.316	2,009
Li6707_R		1.000	ug/L	0.5183	51.83	69.67
Mg2025_A		14,390	ug/L	76.77	0.5335	2,165
Mn2576_R		255.0	ug/L	5.757	2.257	1,242
Mo2020_A		74.73	ug/L	0.3715	0.4971	130.2

SG4839-009

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:23:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	38,070	ug/L	401.5	1.055	37,220
Ni2316_A		0.1601	ug/L	0.2797	174.7	-0.1196
Pb2203_A		-0.1072	ug/L	0.2950	275.2	0.3045
Sb2068_A		-3.709	ug/L	1.379	37.17	0.7784
Se1960_A		2.284	ug/L	0.2762	12.10	0.7286
Si2516_R		7,743	ug/L	201.9	2.608	1,935
Sn1899_A		0.4600	ug/L	0.3278	71.26	0.5486
Sr4215_R		141.7	ug/L	1.710	1.207	4,430
Ti3349_A		5.469	ug/L	0.9065	16.58	108.5
Tl1908_A		-0.3476	ug/L	0.03006	8.648	-0.2961
V_2924_A		1.346	ug/L	0.3269	24.28	-4.428
Zn2062_A		1.891	ug/L	0.1285	6.797	6.887
Y_3600_R		11,524	Cts/S	5.5251	0.047944	11,524
Y_2243_A		6,905.7	Cts/S	17.987	0.26047	6,905.7
Y_3600_A		198,880	Cts/S	461.56	0.23208	198,880

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:27:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		495.5	ug/L	0.6935	0.1400	8,006
Al3961_R		12,420	ug/L	222.4	1.790	4,877
As1891_A		489.5	ug/L	0.5046	0.1031	129.9
Au2427_A		488.5	ug/L	0.1731	0.03544	1,378
B_2089_A		488.8	ug/L	3.166	0.6476	407.9
Ba4554_R		504.0	ug/L	7.132	1.415	12,530
Be3130_R		496.6	ug/L	7.627	1.536	25,820
Ca3158_R		12,630	ug/L	140.7	1.114	7,729
Cd2265_A		500.2	ug/L	1.878	0.3755	5,583
Co2286_A		505.3	ug/L	1.618	0.3202	1,512
Cr2677_A		501.8	ug/L	3.119	0.6215	6,244
Cu3273_A		500.2	ug/L	3.061	0.6120	5,927
Fe2599_R		12,320	ug/L	194.1	1.576	11,860
K_7664_R		12,490	ug/L	145.0	1.161	4,504
Li6707_R		502.7	ug/L	2.207	0.4390	2,973
Mg2025_A		12,450	ug/L	36.10	0.2900	1,886
Mn2576_R		496.4	ug/L	6.407	1.291	2,377
Mo2020_A		503.1	ug/L	1.160	0.2306	843.6
Na5895_R		12,370	ug/L	168.1	1.359	11,830
Ni2316_A		505.8	ug/L	1.637	0.3237	860.8
Pb2203_A		504.0	ug/L	2.229	0.4422	424.0
Sb2068_A		488.7	ug/L	2.437	0.4986	147.1
Se1960_A		485.2	ug/L	1.505	0.3102	76.85
Si2516_R		12,130	ug/L	159.5	1.315	2,973
Sn1899_A		500.8	ug/L	0.4675	0.09337	205.4
Sr4215_R		503.4	ug/L	6.069	1.205	15,560
Ti3349_A		502.9	ug/L	2.407	0.4786	11,270
Tl1908_A		502.3	ug/L	0.09402	0.01872	205.5
V_2924_A		505.4	ug/L	2.288	0.4527	6,040
Zn2062_A		500.4	ug/L	1.337	0.2671	1,396
Y_3600_R		11,331	Cts/S	0.98045	0.0086529	11,331
Y_2243_A		6,890.9	Cts/S	19.895	0.28871	6,890.9
Y_3600_A		198,550	Cts/S	2,074.4	1.0447	198,550

CCB

Method Name: K6010-2011 Method Revision: 830

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:32:14PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4416	ug/L	0.1886	42.71	-21.16
Al3961_R		-13.00	ug/L	6.439	49.55	-13.74
As1891_A		-0.06208	ug/L	0.2106	339.1	-1.121
Au2427_A		-0.2968	ug/L	0.7575	255.2	0.7750
B_2089_A		-1.422	ug/L	0.4151	29.20	3.779
Ba4554_R		0.08714	ug/L	0.5328	611.5	11.59
Be3130_R		0.1508	ug/L	0.03912	25.94	-10.22
Ca3158_R		11.18	ug/L	2.162	19.34	-4.974
Cd2265_A		0.02419	ug/L	0.07395	305.7	-1.599
Co2286_A		0.1669	ug/L	0.06237	37.36	6.486
Cr2677_A		0.3102	ug/L	0.1572	50.69	5.966
Cu3273_A		-0.3006	ug/L	0.6553	218.0	34.40
Fe2599_R		3.080	ug/L	2.699	87.64	9.526
K_7664_R		-55.80	ug/L	51.71	92.66	-66.41
Li6707_R		-4.355	ug/L	2.642	60.67	38.26
Mg2025_A		4.441	ug/L	2.885	64.97	-0.2291
Mn2576_R		0.1668	ug/L	0.1955	117.2	1.875
Mo2020_A		-1.340	ug/L	0.1204	8.983	3.318
Na5895_R		22.00	ug/L	3.617	16.45	-78.11
Ni2316_A		0.4219	ug/L	0.09514	22.55	0.3335
Pb2203_A		0.05440	ug/L	0.4481	823.7	0.5103
Sb2068_A		0.008886	ug/L	0.2380	2,679	1.953
Se1960_A		-1.077	ug/L	0.8660	80.41	0.1650
Si2516_R		2.181	ug/L	8.187	375.4	12.72
Sn1899_A		0.6814	ug/L	0.1236	18.14	0.6561
Sr4215_R		0.4882	ug/L	0.2339	47.91	-18.05
Ti3349_A		0.05628	ug/L	0.07670	136.3	-14.26
Tl1908_A		2.448	ug/L	0.2591	10.58	1.064
V_2924_A		0.4229	ug/L	0.3226	76.29	-0.2040
Zn2062_A		0.07084	ug/L	0.09417	132.9	1.848
Y_3600_R		11,536	Cts/S	121.30	1.0515	11,536
Y_2243_A		7,089.7	Cts/S	47.773	0.67384	7,089.7
Y_3600_A		204,130	Cts/S	408.71	0.20022	204,130

SG4881-001T

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:36:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1061	ug/L	0.3034	286.0	-14.24
Al3961_R		112.2	ug/L	3.489	3.110	35.84
As1891_A		0.9501	ug/L	0.8492	89.38	-0.7874
Au2427_A		2.938	ug/L	0.4343	14.78	3.595
B_2089_A		-1.201	ug/L	0.1123	9.349	3.679
Ba4554_R		70.19	ug/L	3.501	4.988	1,762
Be3130_R		0.05034	ug/L	0.09524	189.2	-15.39
Ca3158_R	W	139,100	ug/L	7,898	5.676	85,730
Cd2265_A		0.1792	ug/L	0.02440	13.61	0.1586
Co2286_A		11.21	ug/L	0.1571	1.402	37.65
Cr2677_A		1.128	ug/L	0.08606	7.632	17.11
Cu3273_A		2.415	ug/L	0.7156	29.64	61.55
Fe2599_R		10.78	ug/L	0.9766	9.059	16.84
K_7664_R		1,795	ug/L	41.41	2.307	612.2
Li6707_R		-0.2239	ug/L	1.362	608.3	61.95
Mg2025_A		1,997	ug/L	7.087	0.3550	287.9
Mn2576_R	W	1,620	ug/L	83.83	5.175	7,793
Mo2020_A		-2.124	ug/L	0.1170	5.507	1.845

SG4881-001T

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:36:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	257,400	ug/L	11,110	4.316	249,400
Ni2316_A		13.19	ug/L	0.1068	0.8102	21.21
Pb2203_A		-0.9038	ug/L	0.7290	80.66	-0.3118
Sb2068_A		-2.003	ug/L	1.793	89.50	1.249
Se1960_A		3.388	ug/L	1.081	31.91	1.019
Si2516_R		306.3	ug/L	11.42	3.729	87.20
Sn1899_A		0.8525	ug/L	0.3212	37.68	0.6811
Sr4215_R		430.9	ug/L	21.66	5.027	13,380
Ti3349_A		-0.1015	ug/L	0.4163	410.3	-16.34
Tl1908_A		1.828	ug/L	0.7708	42.16	-0.3251
V_2924_A		3.578	ug/L	0.08966	2.506	-10.50
Zn2062_A		12.86	ug/L	0.07333	0.5700	36.05
Y_3600_R		11,401	Cts/S	456.74	4.0062	11,401
Y_2243_A		6,627.6	Cts/S	22.846	0.34472	6,627.6
Y_3600_A		186,520	Cts/S	875.89	0.46960	186,520

SG4940-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:41:17PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3349	ug/L	0.2671	79.73	-53.76
Al3961_R		6,609	ug/L	90.86	1.375	2,669
As1891_A		7.220	ug/L	0.7246	10.03	0.6885
Au2427_A		0.4462	ug/L	1.698	380.5	7.099
B_2089_A		9.467	ug/L	0.01272	0.1344	12.41
Ba4554_R		60.16	ug/L	2.106	3.500	1,552
Be3130_R		0.3806	ug/L	0.03907	10.27	-11.69
Ca3158_R	W	66,990	ug/L	2,142	3.197	42,370
Cd2265_A		0.1383	ug/L	0.009658	6.982	3.875
Co2286_A		3.690	ug/L	0.07785	2.110	19.83
Cr2677_A		12.52	ug/L	0.09289	0.7419	160.4
Cu3273_A		13.65	ug/L	0.5088	3.727	189.2
Fe2599_R		7,555	ug/L	218.7	2.895	7,508
K_7664_R		5,475	ug/L	184.4	3.369	2,011
Li6707_R		12.23	ug/L	0.9824	8.031	137.9
Mg2025_A		17,090	ug/L	79.92	0.4675	2,595
Mn2576_R		145.3	ug/L	2.083	1.434	719.2
Mo2020_A		-2.395	ug/L	0.02539	1.060	1.482
Na5895_R		16,250	ug/L	442.3	2.722	16,070
Ni2316_A		13.42	ug/L	0.09194	0.6852	22.06
Pb2203_A		3.743	ug/L	1.425	38.08	3.110
Sb2068_A		-1.931	ug/L	0.009694	0.5020	1.433
Se1960_A		-0.6758	ug/L	1.962	290.3	0.2762
Si2516_R		18,960	ug/L	435.6	2.298	4,788
Sn1899_A		1.115	ug/L	0.7800	69.97	0.8247
Sr4215_R		360.0	ug/L	9.943	2.762	11,470
Ti3349_A		378.1	ug/L	0.7996	0.2115	8,596
Tl1908_A		0.6481	ug/L	1.116	172.2	0.03358
V_2924_A		12.77	ug/L	0.1395	1.092	150.8
Zn2062_A		29.13	ug/L	0.3450	1.184	83.74
Y_3600_R		11,695	Cts/S	162.46	1.3891	11,695
Y_2243_A		6,966.6	Cts/S	18.269	0.26223	6,966.6
Y_3600_A		201,560	Cts/S	311.09	0.15434	201,560

PBSGG15ICS1

Method Name: K6010-2011 Method Revision: 830

PBSGG15ICS1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:45:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2894	ug/L	0.1226	42.36	-9.272
Al3961_R		5.628	ug/L	17.54	311.6	-6.310
As1891_A		-1.080	ug/L	0.4047	37.46	-1.431
Au2427_A		-0.4963	ug/L	0.9586	193.1	0.1999
B_2089_A		-1.932	ug/L	0.2403	12.44	3.376
Ba4554_R		-0.4133	ug/L	0.06530	15.80	-1.023
Be3130_R		0.02816	ug/L	0.0009922	3.524	-16.86
Ca3158_R		86.98	ug/L	7.176	8.250	42.65
Cd2265_A		0.003001	ug/L	0.08329	2,776	-1.870
Co2286_A		-0.2282	ug/L	0.1113	48.78	5.383
Cr2677_A		0.8131	ug/L	0.03944	4.850	12.77
Cu3273_A		0.6769	ug/L	0.1527	22.57	47.66
Fe2599_R		21.02	ug/L	0.4027	1.916	27.30
K_7664_R		-87.55	ug/L	21.96	25.09	-78.76
Li6707_R		-5.230	ug/L	0.7810	14.93	33.25
Mg2025_A		27.06	ug/L	1.738	6.420	3.311
Mn2576_R		0.06273	ug/L	0.8868	1,414	1.406
Mo2020_A		-3.061	ug/L	0.1367	4.466	0.3760
Na5895_R		47.43	ug/L	7.913	16.68	-53.49
Ni2316_A		0.5336	ug/L	0.06073	11.38	0.5342
Pb2203_A	W	3.666	ug/L	1.738	47.41	3.721
Sb2068_A		-2.056	ug/L	1.451	70.58	1.297
Se1960_A		-2.218	ug/L	0.9517	42.90	-0.02125
Si2516_R	W	116.0	ug/L	21.60	18.61	41.38
Sn1899_A		18.82	ug/L	0.2618	1.391	8.463
Sr4215_R		0.6544	ug/L	0.08284	12.66	-12.89
Ti3349_A		0.1709	ug/L	0.2234	130.7	-11.98
Tl1908_A		1.726	ug/L	0.4953	28.70	0.7728
V_2924_A		0.1540	ug/L	0.1593	103.5	-3.500
Zn2062_A		0.9363	ug/L	0.06245	6.670	4.417
Y_3600_R		11,627	Cts/S	169.37	1.4567	11,627
Y_2243_A		7,230.8	Cts/S	41.579	0.57502	7,230.8
Y_3600_A		210,270	Cts/S	292.03	0.13888	210,270

LCSOGG15ICS1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:50:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.93	ug/L	0.4201	0.8415	808.5
Al3961_R		2,005	ug/L	41.42	2.066	788.0
As1891_A		92.46	ug/L	0.5910	0.6392	24.38
Au2427_A		1.270	ug/L	0.5297	41.71	4.010
B_2089_A		484.4	ug/L	1.731	0.3573	407.6
Ba4554_R		2,012	ug/L	29.63	1.473	50,260
Be3130_R		50.73	ug/L	0.4181	0.8242	2,629
Ca3158_R		2,635	ug/L	93.38	3.545	1,612
Cd2265_A		243.7	ug/L	0.02132	0.008746	2,784
Co2286_A		509.1	ug/L	0.4257	0.08361	1,560
Cr2677_A		202.1	ug/L	1.607	0.7947	2,566
Cu3273_A		254.9	ug/L	0.5200	0.2040	3,090
Fe2599_R		1,017	ug/L	14.79	1.454	990.1
K_7664_R		9,968	ug/L	179.6	1.801	3,604
Li6707_R		488.8	ug/L	9.607	1.966	2,907
Mg2025_A		4,951	ug/L	1.777	0.03588	777.8
Mn2576_R		496.2	ug/L	7.680	1.548	2,388
Mo2020_A		288.6	ug/L	1.372	0.4755	498.1

LCSOGG15ICS1

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:50:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,427	ug/L	109.2	1.471	7,099
Ni2316_A		503.3	ug/L	0.2060	0.04093	877.9
Pb2203_A		105.6	ug/L	0.5576	0.5280	91.26
Sb2068_A		95.67	ug/L	1.033	1.080	29.90
Se1960_A		96.33	ug/L	0.4464	0.4634	15.94
Si2516_R	F	3,025	ug/L	46.78	1.547	755.1
Sn1899_A		514.8	ug/L	1.203	0.2337	216.2
Sr4215_R		499.0	ug/L	5.457	1.094	15,500
Ti3349_A		497.1	ug/L	0.2228	0.04483	11,360
Tl1908_A		101.8	ug/L	0.6897	0.6777	42.42
V_2924_A		502.5	ug/L	1.190	0.2368	6,162
Zn2062_A		498.3	ug/L	0.1291	0.02590	1,425
Y_3600_R		11,391	Cts/S	114.02	1.0009	11,391
Y_2243_A		7,059.0	Cts/S	1.9248	0.027268	7,059.0
Y_3600_A		202,430	Cts/S	2,010.6	0.99322	202,430

SG4773-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:54:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		8.899	ug/L	1.257	14.12	-146.0
Al3961_R		21,840	ug/L	278.5	1.275	8,815
As1891_A		33.99	ug/L	1.502	4.420	7.131
Au2427_A		1.726	ug/L	1.262	73.13	35.49
B_2089_A		26.65	ug/L	0.5927	2.224	27.13
Ba4554_R		488.9	ug/L	6.533	1.336	12,510
Be3130_R		1.324	ug/L	0.06611	4.995	15.44
Ca3158_R	W	31,980	ug/L	525.3	1.643	20,170
Cd2265_A		4.055	ug/L	0.09573	2.361	69.93
Co2286_A		10.41	ug/L	0.1601	1.538	46.65
Cr2677_A		85.07	ug/L	0.4792	0.5633	1,090
Cu3273_A	W	1,115	ug/L	1.518	0.1361	13,520
Fe2599_R	W	47,400	ug/L	760.2	1.604	46,950
K_7664_R		13,050	ug/L	225.4	1.727	4,845
Li6707_R		27.41	ug/L	2.420	8.829	227.9
Mg2025_A		14,740	ug/L	16.85	0.1143	2,279
Mn2576_R		422.5	ug/L	5.881	1.392	2,085
Mo2020_A		12.03	ug/L	0.3210	2.668	26.26
Na5895_R		12,760	ug/L	164.8	1.292	12,560
Ni2316_A		67.91	ug/L	0.3250	0.4786	114.6
Pb2203_A		227.4	ug/L	0.1188	0.05222	196.7
Sb2068_A		1.730	ug/L	1.681	97.15	2.825
Se1960_A		11.24	ug/L	1.341	11.94	2.413
Si2516_R		2,512	ug/L	101.0	4.022	643.0
Sn1899_A		61.53	ug/L	0.06342	0.1031	26.31
Sr4215_R		229.4	ug/L	3.699	1.613	7,279
Ti3349_A	W	1,041	ug/L	6.079	0.5837	23,980
Tl1908_A		1.760	ug/L	0.008185	0.4650	-0.08977
V_2924_A		57.26	ug/L	0.2082	0.3636	702.2
Zn2062_A	W	2,250	ug/L	0.3743	0.01664	6,464
Y_3600_R		11,662	Cts/S	62.965	0.53992	11,662
Y_2243_A		7,095.7	Cts/S	11.777	0.16597	7,095.7
Y_3600_A		203,930	Cts/S	254.71	0.12490	203,930

SG4773-003

Method Name: K6010-2011 Method Revision: 830

SG4773-003

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 7:59:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		34.92	ug/L	0.7901	2.263	268.2
Al3961_R		24,440	ug/L	849.5	3.476	9,721
As1891_A		38.47	ug/L	0.5180	1.346	8.294
Au2427_A		11.94	ug/L	1.715	14.36	50.86
B_2089_A		78.57	ug/L	1.262	1.607	70.09
Ba4554_R		640.0	ug/L	17.52	2.738	16,130
Be3130_R		1.187	ug/L	0.06914	5.823	25.57
Ca3158_R	W	45,740	ug/L	1,393	3.046	28,430
Cd2265_A		4.610	ug/L	0.03093	0.6709	78.50
Co2286_A		14.52	ug/L	0.2146	1.478	56.15
Cr2677_A		150.8	ug/L	0.7703	0.5109	1,950
Cu3273_A	W	1,934	ug/L	0.9793	0.05065	23,620
Fe2599_R	W	52,120	ug/L	1,689	3.240	50,860
K_7664_R		17,890	ug/L	588.7	3.290	6,562
Li6707_R		19.10	ug/L	1.191	6.235	175.9
Mg2025_A		12,450	ug/L	155.3	1.247	1,934
Mn2576_R	W	4,922	ug/L	152.1	3.090	23,890
Mo2020_A		19.83	ug/L	0.6270	3.161	39.83
Na5895_R		4,194	ug/L	89.89	2.144	4,001
Ni2316_A		120.5	ug/L	0.8240	0.6838	207.4
Pb2203_A		158.0	ug/L	0.3023	0.1914	136.6
Sb2068_A		5.147	ug/L	0.4467	8.679	3.867
Se1960_A		14.14	ug/L	0.1034	0.7310	3.479
Si2516_R		2,578	ug/L	68.11	2.642	649.6
Sn1899_A		143.3	ug/L	2.579	1.800	61.03
Sr4215_R		299.2	ug/L	9.246	3.091	9,363
Ti3349_A		560.9	ug/L	0.3538	0.06307	13,000
Tl1908_A		1.798	ug/L	0.9653	53.68	-3.136
V_2924_A		61.93	ug/L	0.7732	1.249	615.4
Zn2062_A	W	3,542	ug/L	38.82	1.096	10,220
Y_3600_R		11,495	Cts/S	356.55	3.1017	11,495
Y_2243_A		7,126.9	Cts/S	50.927	0.71458	7,126.9
Y_3600_A		205,400	Cts/S	513.02	0.24977	205,400

SG4810-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:03:38PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		14.65	ug/L	0.1448	0.9885	65.71
Al3961_R		12,230	ug/L	239.0	1.954	4,849
As1891_A		21.52	ug/L	0.9931	4.615	4.138
Au2427_A		0.2495	ug/L	0.9849	394.8	19.08
B_2089_A		62.56	ug/L	0.5271	0.8425	56.35
Ba4554_R		743.1	ug/L	8.640	1.163	18,680
Be3130_R		0.6596	ug/L	0.03346	5.073	4.605
Ca3158_R	W	30,710	ug/L	339.7	1.106	19,030
Cd2265_A		9.674	ug/L	0.09029	0.9333	123.0
Co2286_A		7.657	ug/L	0.3304	4.315	32.56
Cr2677_A		79.28	ug/L	0.6320	0.7971	994.8
Cu3273_A	W	2,028	ug/L	4.019	0.1982	24,090
Fe2599_R	W	28,040	ug/L	405.9	1.447	27,300
K_7664_R	W	30,830	ug/L	348.4	1.130	11,310
Li6707_R		1.512	ug/L	1.453	96.12	72.21
Mg2025_A		22,280	ug/L	103.3	0.4638	3,423
Mn2576_R		309.5	ug/L	5.491	1.774	1,501
Mo2020_A		19.89	ug/L	0.09268	0.4660	39.49

SG4810-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:03:38PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,911	ug/L	76.66	0.9691	7,614
Ni2316_A		92.91	ug/L	0.06043	0.06505	159.1
Pb2203_A		115.9	ug/L	0.6342	0.5473	99.59
Sb2068_A		4.674	ug/L	1.297	27.76	3.401
Se1960_A		15.67	ug/L	2.123	13.55	3.016
Si2516_R		2,370	ug/L	15.56	0.6563	596.9
Sn1899_A		113.4	ug/L	1.114	0.9821	47.87
Sr4215_R		270.8	ug/L	2.932	1.083	8,450
Ti3349_A		354.7	ug/L	1.956	0.5514	7,990
Tl1908_A		1.071	ug/L	0.1230	11.49	-0.04344
V_2924_A		37.30	ug/L	0.2765	0.7412	439.3
Zn2062_A	W	2,008	ug/L	7.391	0.3681	5,733
Y_3600_R		11,462	Cts/S	218.96	1.9103	11,462
Y_2243_A		7,050.4	Cts/S	17.254	0.24472	7,050.4
Y_3600_A		199,700	Cts/S	500.42	0.25058	199,700

SG4823-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:08:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		153.1	ug/L	1.956	1.277	2,669
Al3961_R		773.4	ug/L	41.18	5.325	298.5
As1891_A		-0.5182	ug/L	0.5469	105.5	-1.237
Au2427_A		-0.5042	ug/L	0.9869	195.8	0.1997
B_2089_A		-5.512	ug/L	0.1830	3.320	0.3939
Ba4554_R		0.3497	ug/L	0.3818	109.2	18.06
Be3130_R		-0.02234	ug/L	0.02607	116.7	-19.34
Ca3158_R		123.1	ug/L	21.79	17.71	64.31
Cd2265_A		0.05675	ug/L	0.01716	30.23	-1.190
Co2286_A		-0.2324	ug/L	0.02794	12.02	5.223
Cr2677_A		5.492	ug/L	0.3583	6.524	75.41
Cu3273_A		38.18	ug/L	0.6132	1.606	523.5
Fe2599_R		49.97	ug/L	3.796	7.597	55.05
K_7664_R		118.9	ug/L	37.54	31.58	-1.713
Li6707_R		-6.949	ug/L	7.080	101.9	23.29
Mg2025_A		32.49	ug/L	0.4476	1.378	4.047
Mn2576_R		2.149	ug/L	0.1297	6.034	11.47
Mo2020_A		-2.764	ug/L	0.2690	9.733	0.8730
Na5895_R		270.4	ug/L	39.07	14.45	164.2
Ni2316_A		-0.9316	ug/L	0.2157	23.16	-2.027
Pb2203_A	F	1,048,000	ug/L	16,490	1.572	901,600
Sb2068_A		19.99	ug/L	2.157	10.79	7.982
Se1960_A		10.15	ug/L	1.523	15.00	1.967
Si2516_R		441.7	ug/L	6.250	1.415	121.2
Sn1899_A		8.995	ug/L	0.2921	3.247	4.118
Sr4215_R		0.4652	ug/L	0.1907	41.00	-18.54
Ti3349_A		1.458	ug/L	0.02389	1.639	18.86
Tl1908_A		22.82	ug/L	0.08106	0.3553	9.555
V_2924_A		0.1192	ug/L	0.2534	212.5	-4.392
Zn2062_A		5.694	ug/L	0.1243	2.183	17.80
Y_3600_R		11,464	Cts/S	300.78	2.6237	11,464
Y_2243_A		7,022.2	Cts/S	36.741	0.52321	7,022.2
Y_3600_A		213,180	Cts/S	1,561.7	0.73260	213,180

SG4872-011

Method Name: K6010-2011 Method Revision: 830

SG4872-011

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:12:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.069	ug/L	0.4203	20.32	-211.4
Al3961_R		22,250	ug/L	87.38	0.3927	9,201
As1891_A		22.84	ug/L	2.157	9.445	4.442
Au2427_A		-0.1118	ug/L	0.3757	336.2	23.82
B_2089_A		11.71	ug/L	0.3631	3.101	14.96
Ba4554_R		261.1	ug/L	1.246	0.4774	6,848
Be3130_R		1.774	ug/L	0.01359	0.7657	-15.78
Ca3158_R		19,260	ug/L	149.0	0.7738	12,440
Cd2265_A		2.200	ug/L	0.2162	9.825	45.77
Co2286_A		6.097	ug/L	0.06120	1.004	45.46
Cr2677_A		37.99	ug/L	0.2348	0.6182	503.2
Cu3273_A		52.95	ug/L	0.08691	0.1641	612.9
Fe2599_R	W	36,090	ug/L	162.0	0.4489	36,620
K_7664_R		2,656	ug/L	7.035	0.2648	972.6
Li6707_R		3.975	ug/L	3.921	98.64	90.34
Mg2025_A		2,903	ug/L	8.365	0.2882	462.0
Mn2576_R		365.0	ug/L	2.835	0.7767	1,845
Mo2020_A		-0.3646	ug/L	0.1261	34.57	5.102
Na5895_R		568.4	ug/L	21.40	3.766	474.5
Ni2316_A		39.74	ug/L	0.2377	0.5983	68.10
Pb2203_A	W	1,634	ug/L	4.402	0.2694	1,460
Sb2068_A		2.901	ug/L	1.448	49.93	3.198
Se1960_A		1.323	ug/L	4.521	341.7	0.7722
Si2516_R		5,323	ug/L	105.5	1.982	1,382
Sn1899_A		26.63	ug/L	0.06472	0.2430	11.93
Sr4215_R		127.1	ug/L	1.412	1.111	4,116
Ti3349_A	W	2,582	ug/L	13.44	0.5206	61,240
Tl1908_A		0.2827	ug/L	0.3434	121.5	-1.390
V_2924_A		135.1	ug/L	0.2243	0.1659	1,742
Zn2062_A		272.0	ug/L	1.029	0.3783	805.5
Y_3600_R		11,946	Cts/S	33.568	0.28099	11,946
Y_2243_A		7,301.7	Cts/S	26.719	0.36593	7,301.7
Y_3600_A		209,960	Cts/S	128.14	0.061030	209,960

SG4872-012

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:17:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.350	ug/L	1.361	40.62	-1,895
Al3961_R	W	280,800	ug/L	5,779	2.058	117,200
As1891_A		83.10	ug/L	0.5033	0.6057	13.87
Au2427_A		12.76	ug/L	0.5265	4.126	228.9
B_2089_A		39.10	ug/L	0.2829	0.7237	37.30
Ba4554_R	W	1,029	ug/L	11.88	1.154	27,210
Be3130_R		12.76	ug/L	0.2245	1.759	299.2
Ca3158_R	W	37,460	ug/L	403.9	1.078	24,420
Cd2265_A		1.996	ug/L	0.4430	22.19	201.5
Co2286_A		133.0	ug/L	1.190	0.8941	501.9
Cr2677_A		459.2	ug/L	0.009008	0.001962	5,759
Cu3273_A		181.0	ug/L	0.2709	0.1497	1,859
Fe2599_R	F	329,400	ug/L	5,268	1.599	337,100
K_7664_R	W	32,190	ug/L	525.3	1.632	12,420
Li6707_R		438.6	ug/L	10.94	2.493	2,767
Mg2025_A	W	78,530	ug/L	313.1	0.3987	12,240
Mn2576_R	W	6,113	ug/L	82.41	1.348	31,140
Mo2020_A		3.468	ug/L	0.2304	6.645	11.53

SG4872-012

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:17:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,567	ug/L	7.184	0.4585	1,502
Ni2316_A		302.8	ug/L	0.2641	0.08723	505.9
Pb2203_A		764.3	ug/L	3.934	0.5147	645.9
Sb2068_A		2.831	ug/L	3.614	127.7	6.843
Se1960_A		-3.701	ug/L	5.332	144.1	1.992
Si2516_R		4,080	ug/L	6.586	0.1614	1,069
Sn1899_A		31.10	ug/L	0.5588	1.797	13.58
Sr4215_R		221.9	ug/L	3.415	1.539	7,277
Ti3349_A	W	10,590	ug/L	91.42	0.8634	238,700
Tl1908_A		1.744	ug/L	0.8576	49.18	-8.191
V_2924_A		631.6	ug/L	0.6487	0.1027	7,607
Zn2062_A	W	1,223	ug/L	3.084	0.2521	3,539
Y_3600_R		12,052	Cts/S	99.744	0.82761	12,052
Y_2243_A		7,146.5	Cts/S	6.7380	0.094283	7,146.5
Y_3600_A		199,580	Cts/S	607.41	0.30435	199,580

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:21:43PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		484.3	ug/L	4.283	0.8843	8,004
Al3961_R		12,680	ug/L	41.80	0.3297	5,020
As1891_A		486.1	ug/L	1.939	0.3989	131.6
Au2427_A		498.8	ug/L	6.272	1.258	1,434
B_2089_A		491.0	ug/L	1.523	0.3102	417.7
Ba4554_R		505.7	ug/L	3.623	0.7164	12,680
Be3130_R		506.6	ug/L	1.026	0.2026	26,570
Ca3158_R		12,910	ug/L	99.52	0.7709	7,972
Cd2265_A		504.3	ug/L	1.079	0.2140	5,741
Co2286_A		505.2	ug/L	1.390	0.2752	1,542
Cr2677_A		499.7	ug/L	6.412	1.283	6,363
Cu3273_A		499.5	ug/L	4.866	0.9742	6,057
Fe2599_R		12,670	ug/L	12.64	0.09977	12,300
K_7664_R		12,890	ug/L	61.87	0.4801	4,688
Li6707_R		500.3	ug/L	0.2521	0.05040	2,984
Mg2025_A		12,530	ug/L	14.15	0.1130	1,936
Mn2576_R		506.6	ug/L	3.001	0.5923	2,447
Mo2020_A		502.5	ug/L	3.029	0.6029	859.3
Na5895_R		12,730	ug/L	73.20	0.5749	12,280
Ni2316_A		497.1	ug/L	1.283	0.2581	862.7
Pb2203_A		507.8	ug/L	0.6746	0.1329	435.7
Sb2068_A		486.8	ug/L	2.120	0.4355	149.4
Se1960_A		489.5	ug/L	1.072	0.2190	79.07
Si2516_R		12,300	ug/L	55.37	0.4500	3,042
Sn1899_A		505.1	ug/L	1.805	0.3573	211.3
Sr4215_R		506.5	ug/L	2.135	0.4215	15,790
Ti3349_A		504.5	ug/L	2.344	0.4645	11,570
Tl1908_A		501.1	ug/L	4.128	0.8239	209.0
V_2924_A		500.5	ug/L	0.9877	0.1974	6,121
Zn2062_A		496.1	ug/L	0.5322	0.1073	1,412
Y_3600_R		11,428	Cts/S	78.624	0.68798	11,428
Y_2243_A		7,027.7	Cts/S	9.7667	0.13897	7,027.7
Y_3600_A		203,210	Cts/S	846.95	0.41677	203,210

CCB

Method Name: K6010-2011 Method Revision: 830

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:26:04PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4260	ug/L	0.4079	95.75	-6.737
Al3961_R		-3.015	ug/L	0.4694	15.57	-9.719
As1891_A		0.04860	ug/L	1.836	3,778	-1.102
Au2427_A		0.2021	ug/L	0.6597	326.5	2.236
B_2089_A		-1.770	ug/L	0.02553	1.443	3.528
Ba4554_R		-0.06531	ug/L	0.02600	39.81	7.784
Be3130_R		0.1466	ug/L	0.1527	104.2	-10.44
Ca3158_R		0.9569	ug/L	2.141	223.8	-11.32
Cd2265_A		0.08543	ug/L	0.01474	17.25	-0.9082
Co2286_A		0.01825	ug/L	0.04236	232.1	6.105
Cr2677_A		0.2131	ug/L	0.3425	160.7	4.815
Cu3273_A		-0.1861	ug/L	0.04392	23.60	36.47
Fe2599_R		3.430	ug/L	6.507	189.7	9.830
K_7664_R		-65.35	ug/L	43.83	67.07	-69.69
Li6707_R		-3.625	ug/L	1.401	38.64	42.40
Mg2025_A		4.713	ug/L	2.484	52.72	-0.1958
Mn2576_R		-0.07595	ug/L	0.5634	741.8	0.6875
Mo2020_A		-1.567	ug/L	0.05360	3.421	2.963
Na5895_R		26.76	ug/L	1.942	7.257	-73.26
Ni2316_A		0.1744	ug/L	0.3781	216.8	-0.1032
Pb2203_A		1.076	ug/L	0.7226	67.17	1.410
Sb2068_A		-2.765	ug/L	1.136	41.07	1.117
Se1960_A		0.1586	ug/L	0.9433	594.8	0.3686
Si2516_R		13.98	ug/L	14.70	105.2	15.63
Sn1899_A		0.6516	ug/L	0.1333	20.46	0.6510
Sr4215_R		0.3439	ug/L	0.06348	18.46	-22.51
Ti3349_A		0.8378	ug/L	0.03215	3.838	3.835
Tl1908_A		1.886	ug/L	0.3019	16.00	0.8354
V_2924_A		0.2635	ug/L	0.09631	36.55	-2.187
Zn2062_A		0.04583	ug/L	0.1256	274.1	1.797
Y_3600_R		11,511	Cts/S	15.986	0.13887	11,511
Y_2243_A		7,169.4	Cts/S	17.137	0.23903	7,169.4
Y_3600_A		208,110	Cts/S	15.586	0.0074892	208,110

SG4872-013

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:30:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.106	ug/L	0.6470	15.76	-787.6
Al3961_R	W	113,700	ug/L	1,208	1.062	46,640
As1891_A		57.68	ug/L	0.9688	1.680	11.58
Au2427_A		3.811	ug/L	0.003601	0.09449	91.93
B_2089_A		13.44	ug/L	0.2842	2.115	16.20
Ba4554_R		439.3	ug/L	5.834	1.328	11,410
Be3130_R		6.688	ug/L	0.06890	1.030	72.44
Ca3158_R		23,090	ug/L	315.1	1.365	14,780
Cd2265_A		4.443	ug/L	0.1298	2.921	128.8
Co2286_A		58.13	ug/L	0.02763	0.04752	244.6
Cr2677_A		224.1	ug/L	0.3012	0.1344	2,853
Cu3273_A		160.6	ug/L	0.5814	0.3620	1,732
Fe2599_R	W	137,700	ug/L	1,731	1.257	138,500
K_7664_R		19,310	ug/L	211.4	1.095	7,300
Li6707_R		174.2	ug/L	4.408	2.530	1,119
Mg2025_A	W	35,380	ug/L	135.9	0.3840	5,542
Mn2576_R	W	2,754	ug/L	37.40	1.358	13,780
Mo2020_A		1.047	ug/L	0.007182	0.6857	7.440

SG4872-013

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:30:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,394	ug/L	16.33	1.172	1,302
Ni2316_A		155.8	ug/L	0.1547	0.09932	264.2
Pb2203_A		342.8	ug/L	3.930	1.147	292.8
Sb2068_A		-0.3850	ug/L	1.074	278.9	3.576
Se1960_A		0.7604	ug/L	1.806	237.5	1.436
Si2516_R		3,318	ug/L	26.43	0.7966	858.1
Sn1899_A		27.32	ug/L	1.318	4.823	12.03
Sr4215_R		126.6	ug/L	1.686	1.332	4,062
Ti3349_A	W	7,500	ug/L	41.89	0.5585	171,700
Tl1908_A		1.322	ug/L	1.719	130.0	-4.835
V_2924_A		335.8	ug/L	2.913	0.8674	4,134
Zn2062_A		510.0	ug/L	1.631	0.3197	1,484
Y_3600_R		11,839	Cts/S	10.084	0.085176	11,839
Y_2243_A		7,183.4	Cts/S	35.908	0.49988	7,183.4
Y_3600_A		202,590	Cts/S	1,307.2	0.64524	202,590

SG4872-013L

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:35:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		9.139	ug/L	2.414	26.41	-166.6
Al3961_R		120,700	ug/L	5,854	4.850	9,402
As1891_A		59.19	ug/L	1.049	1.773	1.453
Au2427_A		-3.618	ug/L	2.875	79.44	16.43
B_2089_A		1.453	ug/L	0.4877	33.57	5.207
Ba4554_R		461.6	ug/L	20.91	4.530	2,286
Be3130_R		6.830	ug/L	0.6138	8.987	2.273
Ca3158_R		24,720	ug/L	1,098	4.439	2,999
Cd2265_A		4.397	ug/L	0.2720	6.186	25.02
Co2286_A		61.04	ug/L	2.070	3.392	55.21
Cr2677_A		225.1	ug/L	6.015	2.673	588.5
Cu3273_A		157.7	ug/L	10.51	6.664	379.7
Fe2599_R	W	147,500	ug/L	7,199	4.880	28,200
K_7664_R		19,670	ug/L	951.6	4.839	1,378
Li6707_R		140.3	ug/L	28.87	20.58	223.3
Mg2025_A		36,520	ug/L	135.1	0.3699	1,140
Mn2576_R		2,947	ug/L	127.7	4.335	2,803
Mo2020_A		-10.52	ug/L	1.553	14.77	2.017
Na5895_R		1,519	ug/L	81.87	5.390	193.8
Ni2316_A		159.6	ug/L	0.8934	0.5596	53.55
Pb2203_A		357.3	ug/L	6.630	1.856	61.20
Sb2068_A		-11.20	ug/L	2.649	23.66	1.638
Se1960_A		-4.005	ug/L	9.128	227.9	0.4174
Si2516_R		3,472	ug/L	38.22	1.101	180.1
Sn1899_A		29.22	ug/L	4.504	15.41	2.861
Sr4215_R		132.5	ug/L	5.533	4.176	782.5
Ti3349_A	W	7,333	ug/L	237.6	3.241	34,360
Tl1908_A		3.488	ug/L	3.188	91.40	-0.7614
V_2924_A		331.0	ug/L	11.97	3.615	828.5
Zn2062_A		521.6	ug/L	3.234	0.6201	304.0
Y_3600_R		11,255	Cts/S	207.90	1.8471	11,255
Y_2243_A		7,162.5	Cts/S	19.955	0.27860	7,162.5
Y_3600_A		207,490	Cts/S	3,429.9	1.6530	207,490

SG4872-013A

Method Name: K6010-2011 Method Revision: 830

SG4872-013A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:39:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		480.2	ug/L	2.639	0.5495	7,050
Al3961_R	W	116,800	ug/L	5,093	4.361	48,710
As1891_A		530.4	ug/L	1.195	0.2253	141.7
Au2427_A		5.250	ug/L	3.670	69.90	91.93
B_2089_A		486.7	ug/L	1.730	0.3554	416.6
Ba4554_R		873.5	ug/L	34.56	3.956	23,070
Be3130_R		470.5	ug/L	20.03	4.257	25,720
Ca3158_R	W	27,360	ug/L	1,143	4.179	17,810
Cd2265_A		477.8	ug/L	0.9424	0.1972	5,550
Co2286_A		533.0	ug/L	1.194	0.2240	1,694
Cr2677_A		704.5	ug/L	2.765	0.3924	8,817
Cu3273_A		651.6	ug/L	1.669	0.2561	7,520
Fe2599_R	W	135,300	ug/L	5,871	4.340	138,300
K_7664_R	W	27,900	ug/L	959.5	3.439	10,750
Li6707_R		622.9	ug/L	22.36	3.590	3,898
Mg2025_A	W	40,140	ug/L	67.68	0.1686	6,214
Mn2576_R	W	3,072	ug/L	122.2	3.978	15,630
Mo2020_A		482.3	ug/L	1.946	0.4035	831.0
Na5895_R		6,452	ug/L	220.0	3.411	6,505
Ni2316_A		614.9	ug/L	0.5158	0.08389	1,065
Pb2203_A		816.5	ug/L	0.9014	0.1104	698.2
Sb2068_A		464.5	ug/L	2.080	0.4479	146.7
Se1960_A		473.8	ug/L	1.294	0.2732	77.98
Si2516_R		3,352	ug/L	141.7	4.227	883.3
Sn1899_A		26.41	ug/L	1.094	4.144	11.48
Sr4215_R		569.4	ug/L	22.69	3.986	18,700
Ti3349_A	W	7,863	ug/L	22.47	0.2857	177,300
Tl1908_A		468.0	ug/L	2.335	0.4989	191.5
V_2924_A		814.6	ug/L	0.7679	0.09426	9,831
Zn2062_A		970.1	ug/L	1.021	0.1052	2,780
Y_3600_R		12,046	Cts/S	281.89	2.3401	12,046
Y_2243_A		7,079.5	Cts/S	11.869	0.16765	7,079.5
Y_3600_A		199,570	Cts/S	868.48	0.43518	199,570

SG4872-013S

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:43:55PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.69	ug/L	0.4489	0.8685	-6.887
Al3961_R	W	123,200	ug/L	2,427	1.969	50,490
As1891_A		145.4	ug/L	0.2425	0.1668	35.48
Au2427_A		4.895	ug/L	1.534	31.34	91.73
B_2089_A		483.9	ug/L	0.5508	0.1138	406.0
Ba4554_R	W	2,349	ug/L	46.61	1.985	60,900
Be3130_R		54.45	ug/L	0.7659	1.407	2,626
Ca3158_R	W	32,330	ug/L	798.5	2.470	20,670
Cd2265_A		239.3	ug/L	0.3795	0.1585	2,805
Co2286_A		533.0	ug/L	1.127	0.2114	1,693
Cr2677_A		432.4	ug/L	0.8743	0.2022	5,408
Cu3273_A		406.0	ug/L	0.01332	0.003280	4,569
Fe2599_R	W	138,300	ug/L	2,789	2.017	138,900
K_7664_R	W	31,520	ug/L	657.2	2.085	11,930
Li6707_R		642.7	ug/L	15.16	2.359	3,948
Mg2025_A	W	41,580	ug/L	46.66	0.1122	6,401
Mn2576_R	W	3,239	ug/L	64.39	1.988	16,190
Mo2020_A		283.5	ug/L	0.3713	0.1309	488.2

SG4872-013S

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:43:55PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		8,870	ug/L	154.8	1.745	8,822
Ni2316_A		623.6	ug/L	1.846	0.2960	1,074
Pb2203_A		446.1	ug/L	2.105	0.4720	374.9
Sb2068_A		38.48	ug/L	0.5873	1.526	14.36
Se1960_A		95.84	ug/L	4.219	4.403	16.77
Si2516_R		3,990	ug/L	84.80	2.125	1,030
Sn1899_A		492.2	ug/L	2.053	0.4171	206.3
Sr4215_R		629.0	ug/L	12.06	1.918	20,300
Ti3349_A	W	8,888	ug/L	45.75	0.5147	200,100
Tl1908_A		94.89	ug/L	1.200	1.264	33.70
V_2924_A		835.3	ug/L	3.497	0.4186	10,110
Zn2062_A		985.8	ug/L	2.260	0.2292	2,811
Y_3600_R		11,827	Cts/S	79.144	0.66921	11,827
Y_2243_A		7,042.5	Cts/S	15.581	0.22124	7,042.5
Y_3600_A		199,270	Cts/S	697.46	0.35002	199,270

SG4872-013P

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:48:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.25	ug/L	0.7557	1.393	-135.3
Al3961_R	W	135,900	ug/L	791.8	0.5824	54,310
As1891_A		149.1	ug/L	1.017	0.6820	35.85
Au2427_A		4.542	ug/L	0.1116	2.457	106.6
B_2089_A		483.8	ug/L	1.822	0.3766	406.1
Ba4554_R	W	2,412	ug/L	14.67	0.6082	60,980
Be3130_R		62.46	ug/L	0.01610	0.02577	2,913
Ca3158_R	W	28,300	ug/L	249.4	0.8811	17,650
Cd2265_A		237.8	ug/L	0.6989	0.2939	2,805
Co2286_A		546.8	ug/L	0.6634	0.1213	1,751
Cr2677_A		489.2	ug/L	1.564	0.3197	6,104
Cu3273_A		411.3	ug/L	1.489	0.3620	4,556
Fe2599_R	W	166,100	ug/L	1,073	0.6462	162,600
K_7664_R	W	46,680	ug/L	388.4	0.8322	17,250
Li6707_R		706.1	ug/L	3.126	0.4426	4,224
Mg2025_A	W	50,020	ug/L	132.9	0.2656	7,703
Mn2576_R	W	3,758	ug/L	23.52	0.6260	18,310
Mo2020_A		278.4	ug/L	0.8527	0.3063	479.8
Na5895_R		8,891	ug/L	46.48	0.5228	8,622
Ni2316_A		619.3	ug/L	0.1692	0.02732	1,064
Pb2203_A		401.2	ug/L	2.800	0.6980	335.8
Sb2068_A		34.74	ug/L	0.7059	2.032	13.61
Se1960_A		92.64	ug/L	2.766	2.986	16.45
Si2516_R		4,285	ug/L	67.57	1.577	1,077
Sn1899_A		490.1	ug/L	1.354	0.2762	205.6
Sr4215_R		608.2	ug/L	1.593	0.2620	19,140
Ti3349_A	W	10,910	ug/L	147.9	1.356	245,100
Tl1908_A		95.06	ug/L	0.02299	0.02419	32.47
V_2924_A		908.1	ug/L	5.380	0.5925	10,970
Zn2062_A	W	1,016	ug/L	0.4443	0.04372	2,899
Y_3600_R		11,532	Cts/S	170.09	1.4749	11,532
Y_2243_A		7,046.9	Cts/S	2.3912	0.033933	7,046.9
Y_3600_A		198,840	Cts/S	68.275	0.034336	198,840

SG4872-014

Method Name: K6010-2011 Method Revision: 830

SG4872-014

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:52:51PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.264	ug/L	0.2979	9.128	-561.0
Al3961_R	W	78,950	ug/L	894.8	1.133	31,930
As1891_A		37.66	ug/L	0.4005	1.063	6.956
Au2427_A		2.647	ug/L	0.8518	32.18	66.43
B_2089_A		9.752	ug/L	0.2305	2.364	13.20
Ba4554_R		315.3	ug/L	3.863	1.225	8,080
Be3130_R		4.406	ug/L	0.1023	2.321	13.51
Ca3158_R		17,060	ug/L	110.3	0.6465	10,770
Cd2265_A		3.043	ug/L	0.2722	8.945	90.93
Co2286_A		38.05	ug/L	0.2781	0.7310	168.4
Cr2677_A		168.3	ug/L	1.260	0.7486	2,114
Cu3273_A		107.0	ug/L	0.02987	0.02791	1,128
Fe2599_R	W	99,360	ug/L	1,152	1.160	98,530
K_7664_R		15,080	ug/L	166.6	1.105	5,612
Li6707_R		117.6	ug/L	6.629	5.636	766.2
Mg2025_A	W	25,210	ug/L	118.3	0.4695	3,955
Mn2576_R	W	2,023	ug/L	19.19	0.9485	9,983
Mo2020_A		2.007	ug/L	0.1993	9.931	9.140
Na5895_R		1,071	ug/L	7.270	0.6788	962.9
Ni2316_A		105.9	ug/L	0.1455	0.1375	179.2
Pb2203_A		242.0	ug/L	0.5222	0.2158	207.5
Sb2068_A		-0.6672	ug/L	0.5818	87.20	3.015
Se1960_A		0.8838	ug/L	2.575	291.4	1.191
Si2516_R		3,260	ug/L	46.74	1.434	832.0
Sn1899_A		24.06	ug/L	1.504	6.252	10.66
Sr4215_R		89.21	ug/L	1.440	1.614	2,813
Ti3349_A	W	5,696	ug/L	1.316	0.02311	128,600
Tl1908_A		1.862	ug/L	0.2018	10.84	-3.274
V_2924_A		245.0	ug/L	0.03211	0.01311	2,973
Zn2062_A		346.0	ug/L	1.139	0.3292	1,009
Y_3600_R		11,676	Cts/S	33.433	0.28634	11,676
Y_2243_A		7,195.3	Cts/S	31.018	0.43109	7,195.3
Y_3600_A		199,790	Cts/S	481.63	0.24107	199,790

SG4872-015

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:57:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.707	ug/L	0.2257	4.795	-878.4
Al3961_R	W	113,700	ug/L	1,623	1.427	46,730
As1891_A		63.06	ug/L	0.5449	0.8642	12.56
Au2427_A		3.996	ug/L	1.417	35.45	101.9
B_2089_A		8.548	ug/L	0.3693	4.320	12.04
Ba4554_R		559.8	ug/L	7.307	1.305	14,570
Be3130_R		6.096	ug/L	0.2037	3.341	-51.90
Ca3158_R		21,510	ug/L	306.0	1.423	13,800
Cd2265_A		3.845	ug/L	0.4161	10.82	131.0
Co2286_A		54.69	ug/L	2.808	5.136	249.4
Cr2677_A		314.7	ug/L	3.157	1.003	3,972
Cu3273_A		142.0	ug/L	1.972	1.388	1,415
Fe2599_R	W	153,600	ug/L	1,899	1.236	154,700
K_7664_R	W	33,030	ug/L	447.4	1.355	12,550
Li6707_R		202.6	ug/L	1.630	0.8046	1,293
Mg2025_A	W	47,990	ug/L	1,175	2.448	7,427
Mn2576_R	W	2,652	ug/L	30.22	1.140	13,300
Mo2020_A		2.276	ug/L	0.3082	13.54	9.457

SG4872-015

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 8:57:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,759	ug/L	23.23	1.321	1,672
Ni2316_A		168.9	ug/L	4.049	2.398	282.6
Pb2203_A		312.3	ug/L	8.624	2.761	263.4
Sb2068_A		0.8427	ug/L	0.7745	91.91	4.295
Se1960_A		-3.682	ug/L	2.789	75.74	0.7487
Si2516_R		3,306	ug/L	74.72	2.260	857.2
Sn1899_A		27.39	ug/L	0.1368	0.4993	11.92
Sr4215_R		121.5	ug/L	1.607	1.323	3,905
Ti3349_A	W	9,996	ug/L	269.5	2.696	227,000
Tl1908_A		3.596	ug/L	1.081	30.05	-4.970
V_2924_A		383.7	ug/L	3.288	0.8569	4,711
Zn2062_A		474.2	ug/L	11.96	2.521	1,363
Y_3600_R		11,863	Cts/S	26.015	0.21928	11,863
Y_2243_A		7,098.4	Cts/S	136.42	1.9218	7,098.4
Y_3600_A		201,040	Cts/S	2,309.6	1.1489	201,040

SG4872-016

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:01:51PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.877	ug/L	0.6151	21.38	-218.6
Al3961_R	W	25,870	ug/L	384.1	1.485	10,450
As1891_A		24.06	ug/L	0.2703	1.123	4.623
Au2427_A		-0.6788	ug/L	0.01619	2.385	24.24
B_2089_A		17.12	ug/L	0.4439	2.593	19.29
Ba4554_R		565.1	ug/L	6.592	1.166	14,470
Be3130_R		1.988	ug/L	0.02124	1.068	-1.298
Ca3158_R		10,840	ug/L	122.7	1.131	6,833
Cd2265_A		2.932	ug/L	0.1787	6.095	55.64
Co2286_A		7.735	ug/L	0.07790	1.007	49.58
Cr2677_A		43.00	ug/L	0.06062	0.1410	563.0
Cu3273_A		84.06	ug/L	0.2346	0.2791	992.5
Fe2599_R	W	40,110	ug/L	663.9	1.655	39,750
K_7664_R		2,232	ug/L	11.18	0.5011	790.7
Li6707_R		3.879	ug/L	0.7174	18.49	87.69
Mg2025_A		2,985	ug/L	7.655	0.2564	468.4
Mn2576_R		417.1	ug/L	5.437	1.304	2,059
Mo2020_A		1.479	ug/L	0.1986	13.43	8.232
Na5895_R		651.2	ug/L	6.695	1.028	545.6
Ni2316_A		58.07	ug/L	0.2892	0.4980	99.38
Pb2203_A	W	1,933	ug/L	3.250	0.1681	1,703
Sb2068_A		2.184	ug/L	0.9759	44.68	2.962
Se1960_A		4.765	ug/L	1.763	37.00	1.354
Si2516_R		6,493	ug/L	166.3	2.561	1,644
Sn1899_A		30.03	ug/L	0.4657	1.551	13.21
Sr4215_R		165.3	ug/L	2.337	1.414	5,238
Ti3349_A	W	2,521	ug/L	10.48	0.4156	59,140
Tl1908_A		1.204	ug/L	0.3657	30.37	-0.9870
V_2924_A		155.5	ug/L	0.2579	0.1659	1,979
Zn2062_A		292.1	ug/L	0.1572	0.05383	852.5
Y_3600_R		11,667	Cts/S	32.207	0.27605	11,667
Y_2243_A		7,197.1	Cts/S	8.6634	0.12037	7,197.1
Y_3600_A		207,640	Cts/S	285.51	0.13750	207,640

SG4872-017

Method Name: K6010-2011 Method Revision: 830

SG4872-017

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:06:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.596	ug/L	0.1467	5.652	-278.5
Al3961_R	W	33,750	ug/L	478.0	1.416	13,610
As1891_A		26.58	ug/L	1.269	4.774	5.107
Au2427_A		-0.1776	ug/L	0.4082	229.8	31.36
B_2089_A		12.28	ug/L	0.1110	0.9043	15.31
Ba4554_R		277.5	ug/L	3.648	1.314	7,100
Be3130_R		2.547	ug/L	0.08995	3.531	20.41
Ca3158_R		4,691	ug/L	97.07	2.069	2,945
Cd2265_A		3.623	ug/L	0.05160	1.424	68.78
Co2286_A		9.277	ug/L	0.1002	1.080	56.42
Cr2677_A		54.29	ug/L	0.3897	0.7177	708.9
Cu3273_A		64.14	ug/L	1.464	2.283	737.8
Fe2599_R	W	49,280	ug/L	771.1	1.565	48,770
K_7664_R		2,570	ug/L	122.2	4.756	916.1
Li6707_R		11.89	ug/L	2.714	22.82	135.2
Mg2025_A		3,827	ug/L	23.28	0.6082	601.5
Mn2576_R		514.1	ug/L	6.449	1.254	2,534
Mo2020_A		1.799	ug/L	0.4873	27.10	8.793
Na5895_R		632.7	ug/L	16.20	2.560	526.4
Ni2316_A		58.72	ug/L	0.2352	0.4006	99.87
Pb2203_A		812.1	ug/L	2.749	0.3385	714.8
Sb2068_A		2.273	ug/L	1.309	57.60	3.102
Se1960_A		4.495	ug/L	3.468	77.16	1.365
Si2516_R		5,168	ug/L	83.74	1.620	1,309
Sn1899_A		31.29	ug/L	0.2840	0.9076	13.77
Sr4215_R		69.96	ug/L	0.7931	1.134	2,194
Ti3349_A	W	2,759	ug/L	12.06	0.4372	64,580
Tl1908_A		0.07697	ug/L	0.4086	530.9	-1.644
V_2924_A		177.2	ug/L	0.3380	0.1907	2,250
Zn2062_A		278.7	ug/L	0.6494	0.2330	814.7
Y_3600_R		11,652	Cts/S	80.898	0.69428	11,652
Y_2243_A		7,206.5	Cts/S	11.290	0.15666	7,206.5
Y_3600_A		207,250	Cts/S	632.81	0.30534	207,250

SG4872-018

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:10:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.039	ug/L	0.06101	2.007	-490.5
Al3961_R	W	68,100	ug/L	144.1	0.2116	27,930
As1891_A		27.62	ug/L	1.468	5.314	4.476
Au2427_A		2.171	ug/L	1.190	54.83	56.28
B_2089_A		7.986	ug/L	0.2029	2.541	11.74
Ba4554_R		238.9	ug/L	3.340	1.398	6,212
Be3130_R		4.018	ug/L	0.1315	3.272	30.60
Ca3158_R		6,578	ug/L	111.2	1.691	4,202
Cd2265_A		1.379	ug/L	0.1155	8.373	63.69
Co2286_A		21.20	ug/L	0.6252	2.949	108.3
Cr2677_A		101.6	ug/L	1.192	1.173	1,298
Cu3273_A		61.21	ug/L	0.5555	0.9075	626.0
Fe2599_R	W	86,210	ug/L	791.1	0.9176	86,700
K_7664_R		5,040	ug/L	44.77	0.8882	1,871
Li6707_R		67.09	ug/L	0.7644	1.139	471.4
Mg2025_A		12,080	ug/L	153.8	1.273	1,896
Mn2576_R	W	2,064	ug/L	23.87	1.156	10,330
Mo2020_A		1.941	ug/L	0.2338	12.04	9.022

SG4872-018

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:10:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		701.6	ug/L	18.04	2.570	604.5
Ni2316_A		71.30	ug/L	0.02478	0.03475	118.9
Pb2203_A		554.0	ug/L	5.153	0.9301	483.4
Sb2068_A		0.01425	ug/L	1.547	10,850	2.875
Se1960_A		2.189	ug/L	2.224	101.6	1.351
Si2516_R		3,547	ug/L	28.98	0.8171	916.9
Sn1899_A		29.66	ug/L	0.2188	0.7378	13.05
Sr4215_R		55.63	ug/L	0.08552	0.1537	1,767
Ti3349_A	W	4,667	ug/L	84.13	1.803	106,900
Tl1908_A		1.757	ug/L	0.1980	11.27	-2.890
V_2924_A		228.4	ug/L	3.766	1.649	2,805
Zn2062_A		243.0	ug/L	2.248	0.9249	709.4
Y_3600_R		11,841	Cts/S	77.548	0.65488	11,841
Y_2243_A		7,196.5	Cts/S	26.329	0.36585	7,196.5
Y_3600_A		202,770	Cts/S	2,812.2	1.3869	202,770

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:15:14PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		491.4	ug/L	1.974	0.4018	7,814
Al3961_R		12,850	ug/L	119.7	0.9318	4,939
As1891_A		493.3	ug/L	5.269	1.068	130.6
Au2427_A		512.9	ug/L	8.820	1.720	1,442
B_2089_A		501.9	ug/L	4.836	0.9636	417.4
Ba4554_R		506.8	ug/L	2.921	0.5763	12,340
Be3130_R		511.9	ug/L	3.763	0.7351	26,060
Ca3158_R		13,170	ug/L	86.27	0.6549	7,897
Cd2265_A		519.9	ug/L	5.423	1.043	5,788
Co2286_A		516.9	ug/L	4.753	0.9196	1,542
Cr2677_A		520.3	ug/L	2.692	0.5175	6,375
Cu3273_A		517.1	ug/L	3.240	0.6265	6,033
Fe2599_R		12,870	ug/L	119.2	0.9260	12,130
K_7664_R		13,000	ug/L	135.5	1.042	4,591
Li6707_R		501.6	ug/L	2.325	0.4635	2,904
Mg2025_A		12,940	ug/L	131.5	1.016	1,954
Mn2576_R		519.6	ug/L	3.627	0.6981	2,437
Mo2020_A		516.1	ug/L	6.767	1.311	862.8
Na5895_R		12,850	ug/L	11.74	0.09133	12,040
Ni2316_A		500.7	ug/L	6.247	1.248	849.7
Pb2203_A		523.8	ug/L	6.645	1.269	439.4
Sb2068_A		493.1	ug/L	6.240	1.266	147.9
Se1960_A		498.6	ug/L	8.998	1.805	78.74
Si2516_R		12,560	ug/L	119.7	0.9524	3,016
Sn1899_A		520.2	ug/L	3.059	0.5881	212.7
Sr4215_R		505.7	ug/L	0.8294	0.1640	15,310
Ti3349_A		514.0	ug/L	1.424	0.2771	11,350
Tl1908_A		509.7	ug/L	3.270	0.6415	207.9
V_2924_A		513.6	ug/L	3.176	0.6184	6,044
Zn2062_A		505.2	ug/L	6.412	1.269	1,405
Y_3600_R		11,095	Cts/S	76.307	0.68778	11,095
Y_2243_A		6,871.5	Cts/S	39.922	0.58099	6,871.5
Y_3600_A		195,530	Cts/S	386.65	0.19774	195,530

CCB

Method Name: K6010-2011 Method Revision: 830

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:19:34PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.01972	ug/L	0.2880	1,460	-14.02
Al3961_R		-2.577	ug/L	8.285	321.5	-9.406
As1891_A		0.6234	ug/L	1.007	161.5	-0.9297
Au2427_A		1.015	ug/L	1.203	118.5	4.545
B_2089_A		-1.169	ug/L	0.07865	6.729	3.970
Ba4554_R		-0.7725	ug/L	0.2271	29.40	-9.864
Be3130_R		0.04389	ug/L	0.08601	195.9	-15.58
Ca3158_R		11.77	ug/L	1.948	16.55	-4.503
Cd2265_A		0.1250	ug/L	0.04626	37.02	-0.4429
Co2286_A		-0.1904	ug/L	0.03695	19.41	5.384
Cr2677_A		0.2752	ug/L	0.01755	6.375	5.491
Cu3273_A		-0.3926	ug/L	0.2319	59.05	33.11
Fe2599_R		4.159	ug/L	2.347	56.42	10.39
K_7664_R		-120.7	ug/L	9.973	8.265	-88.65
Li6707_R		-10.47	ug/L	1.881	17.97	2.156
Mg2025_A		6.268	ug/L	3.535	56.40	0.03958
Mn2576_R		-0.006078	ug/L	0.2799	4,606	1.000
Mo2020_A		-1.544	ug/L	0.2657	17.21	2.962
Na5895_R		34.20	ug/L	17.89	52.31	-64.98
Ni2316_A		0.07119	ug/L	0.1854	260.4	-0.2812
Pb2203_A		0.3370	ug/L	1.309	388.2	0.7511
Sb2068_A		-2.267	ug/L	3.057	134.8	1.256
Se1960_A		0.6687	ug/L	2.156	322.4	0.4461
Si2516_R		0.3145	ug/L	3.341	1,062	12.03
Sn1899_A		0.1405	ug/L	0.1523	108.4	0.4274
Sr4215_R		0.2401	ug/L	0.002955	1.231	-25.35
Ti3349_A		0.6595	ug/L	0.3729	56.54	-0.3651
Tl1908_A		2.073	ug/L	0.9974	48.12	0.9025
V_2924_A		0.1714	ug/L	0.4280	249.6	-3.279
Zn2062_A		-0.04700	ug/L	0.06218	132.3	1.507
Y_3600_R		11,321	Cts/S	142.16	1.2557	11,321
Y_2243_A		7,072.0	Cts/S	5.9936	0.084751	7,072.0
Y_3600_A		203,160	Cts/S	763.42	0.37578	203,160

SG4872-019

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:24:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.121	ug/L	0.5563	26.23	-293.8
Al3961_R	W	30,820	ug/L	209.8	0.6807	12,460
As1891_A		25.00	ug/L	1.534	6.136	4.624
Au2427_A		-2.134	ug/L	0.7159	33.55	27.17
B_2089_A		6.812	ug/L	0.1866	2.740	10.74
Ba4554_R		234.2	ug/L	1.543	0.6589	6,005
Be3130_R		2.100	ug/L	0.1026	4.883	-5.375
Ca3158_R		4,165	ug/L	17.68	0.4246	2,620
Cd2265_A		2.047	ug/L	0.06115	2.987	51.06
Co2286_A		8.423	ug/L	0.1989	2.362	54.03
Cr2677_A		48.30	ug/L	0.06369	0.1319	628.6
Cu3273_A		63.83	ug/L	0.2440	0.3822	729.2
Fe2599_R	W	50,620	ug/L	376.3	0.7433	50,210
K_7664_R		1,868	ug/L	8.279	0.4431	655.1
Li6707_R		10.38	ug/L	5.083	48.99	126.6
Mg2025_A		3,458	ug/L	28.08	0.8121	542.5
Mn2576_R		327.5	ug/L	3.092	0.9441	1,620
Mo2020_A		1.258	ug/L	0.04976	3.955	7.840

SG4872-019

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:24:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		652.1	ug/L	17.30	2.652	547.0
Ni2316_A		57.25	ug/L	0.6605	1.154	96.96
Pb2203_A	W	1,171	ug/L	6.028	0.5149	1,030
Sb2068_A		-0.6970	ug/L	1.964	281.8	2.156
Se1960_A		3.196	ug/L	2.705	84.63	1.127
Si2516_R		4,719	ug/L	221.1	4.685	1,199
Sn1899_A		28.99	ug/L	0.4499	1.552	12.76
Sr4215_R		59.31	ug/L	0.3801	0.6409	1,860
Ti3349_A	W	2,802	ug/L	18.61	0.6640	65,360
Tl1908_A		1.224	ug/L	0.1267	10.35	-1.045
V_2924_A		166.8	ug/L	0.7537	0.4517	2,117
Zn2062_A		238.2	ug/L	1.622	0.6809	695.1
Y_3600_R		11,679	Cts/S	8.4185	0.072085	11,679
Y_2243_A		7,193.6	Cts/S	31.226	0.43408	7,193.6
Y_3600_A		206,480	Cts/S	799.75	0.38732	206,480

SG4872-020

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:28:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		7.874	ug/L	0.3782	4.803	-1,374
Al3961_R	W	189,400	ug/L	651.9	0.3442	77,070
As1891_A		77.55	ug/L	0.9979	1.287	14.28
Au2427_A		4.109	ug/L	0.9693	23.59	161.3
B_2089_A		29.04	ug/L	0.3030	1.043	28.98
Ba4554_R		595.3	ug/L	2.273	0.3817	15,340
Be3130_R		9.559	ug/L	0.05773	0.6039	118.8
Ca3158_R		16,510	ug/L	113.1	0.6848	10,480
Cd2265_A		1.912	ug/L	0.1114	5.825	159.3
Co2286_A		108.2	ug/L	0.1743	0.1610	422.1
Cr2677_A		359.0	ug/L	0.9179	0.2557	4,517
Cu3273_A		175.7	ug/L	1.145	0.6519	1,797
Fe2599_R	W	249,800	ug/L	1,605	0.6425	249,300
K_7664_R	W	28,910	ug/L	224.4	0.7762	10,870
Li6707_R		286.6	ug/L	0.1021	0.03563	1,785
Mg2025_A	W	69,270	ug/L	138.0	0.1992	10,780
Mn2576_R	W	3,651	ug/L	25.98	0.7116	18,130
Mo2020_A		3.760	ug/L	0.1143	3.040	12.04
Na5895_R		2,222	ug/L	17.01	0.7653	2,120
Ni2316_A		265.7	ug/L	0.7426	0.2795	446.4
Pb2203_A	W	2,376	ug/L	4.212	0.1773	2,062
Sb2068_A		3.608	ug/L	2.552	70.74	6.003
Se1960_A		-1.954	ug/L	2.786	142.6	1.586
Si2516_R		3,801	ug/L	27.09	0.7126	972.7
Sn1899_A		33.28	ug/L	0.2221	0.6674	14.48
Sr4215_R		114.6	ug/L	0.8086	0.7055	3,647
Ti3349_A	W	10,520	ug/L	22.09	0.2100	238,100
Tl1908_A		2.056	ug/L	0.3871	18.83	-6.456
V_2924_A		514.8	ug/L	1.427	0.2771	6,279
Zn2062_A		662.9	ug/L	0.1480	0.02232	1,915
Y_3600_R		11,748	Cts/S	104.13	0.88635	11,748
Y_2243_A		7,134.9	Cts/S	19.055	0.26708	7,134.9
Y_3600_A		200,290	Cts/S	916.61	0.45765	200,290

SG4903-001

Method Name: K6010-2011 Method Revision: 830

SG4903-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:33:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.93	ug/L	0.4668	4.269	94.97
Al3961_R		17,160	ug/L	64.82	0.3778	6,724
As1891_A		5.561	ug/L	0.1634	2.939	0.1124
Au2427_A		0.2071	ug/L	0.1504	72.64	7.560
B_2089_A		23.84	ug/L	0.2311	0.9696	24.23
Ba4554_R		171.8	ug/L	0.08884	0.05171	4,275
Be3130_R		0.2205	ug/L	0.005605	2.541	-12.82
Ca3158_R		22,410	ug/L	22.04	0.09835	13,720
Cd2265_A		1.242	ug/L	0.1056	8.498	18.86
Co2286_A		3.440	ug/L	0.1067	3.103	18.00
Cr2677_A		49.52	ug/L	1.194	2.410	639.4
Cu3273_A		270.0	ug/L	7.809	2.892	3,324
Fe2599_R		12,760	ug/L	5.863	0.04596	12,280
K_7664_R		3,400	ug/L	24.85	0.7309	1,193
Li6707_R		-1.592	ug/L	0.9512	59.74	53.44
Mg2025_A		3,235	ug/L	74.63	2.307	493.9
Mn2576_R		728.3	ug/L	0.3161	0.04341	3,486
Mo2020_A		1.814	ug/L	0.03479	1.918	8.639
Na5895_R		4,819	ug/L	20.73	0.4302	4,545
Ni2316_A		35.00	ug/L	0.7205	2.059	59.19
Pb2203_A		36.72	ug/L	2.259	6.151	30.29
Sb2068_A		-1.238	ug/L	1.331	107.5	1.733
Se1960_A		3.572	ug/L	1.671	46.77	1.062
Si2516_R		1,853	ug/L	23.90	1.290	463.8
Sn1899_A		33.70	ug/L	0.8957	2.658	14.41
Sr4215_R		274.1	ug/L	0.5425	0.1979	8,454
Ti3349_A		186.5	ug/L	11.03	5.913	4,303
Tl1908_A		0.4015	ug/L	0.8980	223.7	-0.3795
V_2924_A		11.85	ug/L	0.7616	6.429	119.5
Zn2062_A		573.6	ug/L	14.34	2.500	1,630
Y_3600_R		11,325	Cts/S	104.17	0.91980	11,325
Y_2243_A		7,015.1	Cts/S	121.50	1.7320	7,015.1
Y_3600_A		205,110	Cts/S	4,465.6	2.1772	205,110

SG4922-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:37:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		27.29	ug/L	0.1941	0.7112	32.30
Al3961_R	W	81,840	ug/L	1,891	2.310	32,670
As1891_A		38.05	ug/L	0.3564	0.9366	7.669
Au2427_A		7.102	ug/L	0.9964	14.03	49.32
B_2089_A		394.5	ug/L	0.7541	0.1912	327.2
Ba4554_R		690.0	ug/L	8.209	1.190	17,440
Be3130_R		2.715	ug/L	0.001291	0.04753	74.77
Ca3158_R	W	71,350	ug/L	1,018	1.427	44,480
Cd2265_A		5.249	ug/L	0.2374	4.522	94.90
Co2286_A		23.64	ug/L	0.3358	1.420	90.55
Cr2677_A		201.4	ug/L	0.7850	0.3898	2,543
Cu3273_A	W	1,358	ug/L	2.081	0.1533	16,200
Fe2599_R	W	69,280	ug/L	1,404	2.026	67,800
K_7664_R		11,320	ug/L	95.40	0.8424	4,149
Li6707_R		42.38	ug/L	0.4031	0.9513	313.3
Mg2025_A		15,480	ug/L	9.160	0.05918	2,386
Mn2576_R	W	4,491	ug/L	78.98	1.759	21,860
Mo2020_A		37.83	ug/L	0.1499	0.3962	70.24

SG4922-001

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:37:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,744	ug/L	66.55	1.403	4,551
Ni2316_A		93.75	ug/L	0.1893	0.2019	157.5
Pb2203_A		296.3	ug/L	0.03566	0.01204	249.0
Sb2068_A		7.224	ug/L	1.701	23.55	5.053
Se1960_A		9.441	ug/L	5.054	53.53	2.745
Si2516_R		2,589	ug/L	25.86	0.9989	654.1
Sn1899_A		118.1	ug/L	0.6415	0.5433	49.95
Sr4215_R		312.9	ug/L	4.161	1.329	9,825
Ti3349_A	W	1,487	ug/L	1.904	0.1281	33,720
Tl1908_A		2.094	ug/L	0.9306	44.44	-2.914
V_2924_A		155.4	ug/L	0.3022	0.1945	1,768
Zn2062_A	W	2,106	ug/L	2.530	0.1202	6,027
Y_3600_R		11,525	Cts/S	190.53	1.6531	11,525
Y_2243_A		7,068.8	Cts/S	20.766	0.29377	7,068.8
Y_3600_A		200,840	Cts/S	89.970	0.044797	200,840

SG4782-001A

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:42:00PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		475.1	ug/L	2.432	0.5119	7,660
Al3961_R		10,690	ug/L	171.8	1.607	4,232
As1891_A		485.2	ug/L	1.199	0.2472	129.1
Au2427_A		0.5504	ug/L	0.5843	106.2	4.748
B_2089_A		502.8	ug/L	0.2547	0.05065	419.3
Ba4554_R		501.8	ug/L	8.978	1.789	12,580
Be3130_R		485.5	ug/L	5.631	1.160	25,450
Ca3158_R	W	65,300	ug/L	1,292	1.978	40,350
Cd2265_A		493.4	ug/L	0.5555	0.1126	5,512
Co2286_A		494.9	ug/L	0.8954	0.1809	1,483
Cr2677_A		493.9	ug/L	0.7916	0.1603	6,107
Cu3273_A		495.6	ug/L	0.5830	0.1176	5,836
Fe2599_R		6,015	ug/L	64.44	1.071	5,841
K_7664_R		13,610	ug/L	258.4	1.900	4,949
Li6707_R		493.6	ug/L	7.769	1.574	2,944
Mg2025_A		23,830	ug/L	17.79	0.07465	3,599
Mn2576_R		575.7	ug/L	5.409	0.9394	2,779
Mo2020_A		497.2	ug/L	3.121	0.6276	834.8
Na5895_R		18,190	ug/L	327.8	1.802	17,580
Ni2316_A		478.8	ug/L	0.8540	0.1784	816.3
Pb2203_A		501.8	ug/L	0.8276	0.1649	422.6
Sb2068_A		474.4	ug/L	0.3624	0.07639	144.4
Se1960_A		492.5	ug/L	0.02036	0.004134	78.08
Si2516_R		12,810	ug/L	83.18	0.6494	3,165
Sn1899_A		1.047	ug/L	0.9168	87.56	0.7886
Sr4215_R		703.0	ug/L	11.68	1.661	21,920
Ti3349_A		520.1	ug/L	2.439	0.4690	11,590
Tl1908_A		489.8	ug/L	1.586	0.3239	200.5
V_2924_A		494.9	ug/L	0.9564	0.1933	5,875
Zn2062_A		488.2	ug/L	0.5978	0.1225	1,363
Y_3600_R		11,422	Cts/S	3.6522	0.031974	11,422
Y_2243_A		6,899.0	Cts/S	5.7389	0.083185	6,899.0
Y_3600_A		197,330	Cts/S	1,253.7	0.63533	197,330

CCV

Method Name: K6010-2011 Method Revision: 830

CCV

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:46:23PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		479.6	ug/L	17.03	3.551	7,794
Al3961_R		12,660	ug/L	361.3	2.853	4,907
As1891_A		489.3	ug/L	0.5782	0.1182	129.5
Au2427_A		515.0	ug/L	5.840	1.134	1,448
B_2089_A		501.3	ug/L	1.238	0.2470	417.1
Ba4554_R		503.8	ug/L	15.58	3.092	12,360
Be3130_R		505.1	ug/L	12.89	2.551	25,920
Ca3158_R		13,100	ug/L	433.6	3.311	7,912
Cd2265_A		519.4	ug/L	0.2750	0.05294	5,783
Co2286_A		514.4	ug/L	0.3577	0.06953	1,535
Cr2677_A		509.2	ug/L	21.92	4.305	6,376
Cu3273_A		507.1	ug/L	22.39	4.415	6,046
Fe2599_R		12,700	ug/L	340.0	2.677	12,070
K_7664_R		12,870	ug/L	238.1	1.850	4,581
Li6707_R		496.5	ug/L	15.06	3.034	2,898
Mg2025_A		12,910	ug/L	4.038	0.03127	1,951
Mn2576_R		509.5	ug/L	11.01	2.161	2,408
Mo2020_A		517.4	ug/L	1.370	0.2648	865.1
Na5895_R		12,760	ug/L	386.1	3.025	12,040
Ni2316_A		499.4	ug/L	0.8700	0.1742	847.6
Pb2203_A		523.4	ug/L	0.3908	0.07467	439.1
Sb2068_A		492.5	ug/L	1.773	0.3600	147.8
Se1960_A		498.2	ug/L	0.4338	0.08708	78.69
Si2516_R		12,470	ug/L	406.1	3.257	3,017
Sn1899_A		518.6	ug/L	0.06261	0.01207	212.1
Sr4215_R		500.1	ug/L	14.17	2.833	15,260
Ti3349_A		496.8	ug/L	19.92	4.009	11,210
Tl1908_A		510.6	ug/L	1.574	0.3083	208.3
V_2924_A		499.7	ug/L	20.58	4.117	6,008
Zn2062_A		504.3	ug/L	0.01047	0.002076	1,403
Y_3600_R		11,186	Cts/S	193.81	1.7326	11,186
Y_2243_A		6,872.6	Cts/S	18.203	0.26486	6,872.6
Y_3600_A		199,950	Cts/S	6,650.8	3.3261	199,950

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:50:43PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3032	ug/L	0.2366	78.03	-18.86
Al3961_R		13.78	ug/L	5.513	40.00	-2.915
As1891_A		0.9298	ug/L	0.7619	81.95	-0.8461
Au2427_A		-0.2095	ug/L	1.064	508.0	1.012
B_2089_A		-1.459	ug/L	0.04240	2.906	3.744
Ba4554_R		-0.5326	ug/L	0.5235	98.30	-3.881
Be3130_R		0.2049	ug/L	0.03677	17.94	-7.114
Ca3158_R		0.4561	ug/L	9.110	1,997	-11.26
Cd2265_A		0.04968	ug/L	0.09679	194.8	-1.302
Co2286_A		-0.2319	ug/L	0.2303	99.31	5.255
Cr2677_A		0.5337	ug/L	0.1146	21.47	8.823
Cu3273_A		-0.3658	ug/L	0.1325	36.21	33.63
Fe2599_R		4.574	ug/L	6.582	143.9	10.60
K_7664_R		-67.26	ug/L	37.01	55.02	-68.12
Li6707_R		-9.058	ug/L	0.4904	5.414	10.11
Mg2025_A		3.324	ug/L	3.336	100.4	-0.4124
Mn2576_R		-0.4031	ug/L	0.9959	247.0	-0.8750
Mo2020_A		-1.219	ug/L	0.3864	31.69	3.520

CCB

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:50:43PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		35.79	ug/L	18.39	51.38	-62.32
Ni2316_A		0.1204	ug/L	0.3629	301.6	-0.1930
Pb2203_A		-0.05942	ug/L	0.2498	420.5	0.4052
Sb2068_A		-1.165	ug/L	0.2599	22.31	1.595
Se1960_A		1.435	ug/L	0.3699	25.78	0.5699
Si2516_R		-6.840	ug/L	0.7501	10.97	10.13
Sn1899_A		-0.4324	ug/L	0.4104	94.91	0.1862
Sr4215_R		0.2994	ug/L	0.2648	88.45	-23.13
Ti3349_A		0.5655	ug/L	0.05938	10.50	-2.512
Tl1908_A		1.194	ug/L	0.006367	0.5332	0.5331
V_2924_A		0.3042	ug/L	0.2499	82.15	-1.696
Zn2062_A		-0.09998	ug/L	0.004530	4.531	1.355
Y_3600_R		11,137	Cts/S	2.4066	0.021610	11,137
Y_2243_A		7,071.8	Cts/S	39.066	0.55242	7,071.8
Y_3600_A		204,280	Cts/S	1,157.3	0.56653	204,280

PQL

Method Name: K6010-2011 Method Revision: 830
Analyst Name: NAT
Acquire Date: 7/15/2013 9:55:14PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		9.866	ug/L	0.1625	1.647	151.0
Al3961_R		313.1	ug/L	10.31	3.293	113.4
As1891_A		8.222	ug/L	0.1085	1.319	1.158
Au2427_A		107.2	ug/L	0.4050	0.3780	309.7
B_2089_A		48.76	ug/L	0.02153	0.04416	44.85
Ba4554_R		4.613	ug/L	0.1634	3.541	122.5
Be3130_R		5.127	ug/L	0.02296	0.4478	245.9
Ca3158_R		106.5	ug/L	1.484	1.393	52.99
Cd2265_A		5.355	ug/L	0.09237	1.725	59.41
Co2286_A		10.38	ug/L	0.1083	1.044	37.69
Cr2677_A		10.90	ug/L	0.008590	0.07883	141.2
Cu3273_A		26.56	ug/L	0.4038	1.521	359.4
Fe2599_R		103.3	ug/L	1.652	1.599	104.6
K_7664_R		943.6	ug/L	28.86	3.058	295.5
Li6707_R		93.18	ug/L	4.064	4.361	595.5
Mg2025_A		110.7	ug/L	1.444	1.304	16.49
Mn2576_R		5.049	ug/L	0.9397	18.61	24.94
Mo2020_A	W	7.584	ug/L	0.08215	1.083	18.55
Na5895_R		1,076	ug/L	1.030	0.09570	928.8
Ni2316_A		10.67	ug/L	0.3288	3.083	18.22
Pb2203_A		5.323	ug/L	0.8101	15.22	5.015
Sb2068_A	F	4.955	ug/L	3.476	70.15	3.165
Se1960_A		11.38	ug/L	2.321	20.39	2.177
Si2516_R		189.7	ug/L	6.987	3.683	57.66
Sn1899_A		106.9	ug/L	0.1076	0.1006	45.23
Sr4215_R		10.34	ug/L	0.1003	0.9703	284.2
Ti3349_A		15.57	ug/L	0.1979	1.271	343.3
Tl1908_A		16.57	ug/L	0.8733	5.269	6.984
V_2924_A		10.55	ug/L	0.2072	1.964	124.5
Zn2062_A		19.98	ug/L	0.04810	0.2407	58.74
Y_3600_R		11,206	Cts/S	27.208	0.24280	11,206
Y_2243_A		7,062.8	Cts/S	21.335	0.30208	7,062.8
Y_3600_A		203,920	Cts/S	142.54	0.069899	203,920

ICSA

Method Name: K6010-2011 Method Revision: 830

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Thermo ICAP 6500 **ANALYST:** NT **ANALYSIS DATE:** 7/16/13

FILE NAME: IGG16A

REVIEWED
[illegible] 07-18-13
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal Blk, ICB, CCB	MW14314	7/9/13	7/9/14	0ug/L
Cal Std	MW14306	7/8/13	10/3/13	varies by element
ICV	MW14315	7/10/13	10/10/13	↓
PQL	MW14305 NT 7/17/13	7/8/13	10/3/13	↓
ICSA	MW14~~262~~289	6/26/13	9/26/13	↓
ICSAB	MW14262	6/5/13	9/5/13	↓
CCV	MW14304	7/8/13	10/3/13	↓
internal Std	MW14318	7/15/13	10/15/13	5 mg/L Y

Additional Comments and Notes:

NT 7/17/13

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG16A	7/16/2013	14:17	NAT
Std 1	1.000	IGG16A	7/16/2013	14:21	NAT
ICV	1.000	IGG16A	7/16/2013	14:25	NAT
ICB	1.000	IGG16A	7/16/2013	14:30	NAT
PQL	1.000	IGG16A	7/16/2013	14:34	NAT
LRS1	1.000	IGG16A	7/16/2013	14:39	NAT
LRS2	1.000	IGG16A	7/16/2013	14:44	NAT
ICSA	1.000	IGG16A	7/16/2013	14:53	NAT
ICSAB	1.000	IGG16A	7/16/2013	14:57	NAT
CCV	1.000	IGG16A	7/16/2013	15:02	NAT
CCB	1.000	IGG16A	7/16/2013	15:06	NAT
PBWGG16ICW2	1.000	IGG16A	7/16/2013	15:11	NAT
LCSWGG16ICW2	1.000	IGG16A	7/16/2013	15:15	NAT
LC2WGG16ICW2	1.000	IGG16A	7/16/2013	15:20	NAT
SG4988-001	50.00	IGG16A	7/16/2013	15:24	NAT
SG4782-001A	1.000	IGG16A	7/16/2013	15:29	NAT
SG4782-001L	5.000	IGG16A	7/16/2013	15:33	NAT
LCSOGG15ICS1	1.000	IGG16A	7/16/2013	15:38	NAT
PBSGG15ICS1	1.000	IGG16A	7/16/2013	15:42	NAT
SG4773-001	1.000	IGG16A	7/16/2013	15:47	NAT
SG4773-003	1.000	IGG16A	7/16/2013	15:51	NAT
CCV	1.000	IGG16A	7/16/2013	15:56	NAT
CCB	1.000	IGG16A	7/16/2013	16:00	NAT
SG4872-012	2.000	IGG16A	7/16/2013	16:04	NAT
SG4823-001	100.0	IGG16A	7/16/2013	16:09	NAT
SG4865-001	5.000	IGG16A	7/16/2013	16:13	NAT
SG4839-007	10.00	IGG16A	7/16/2013	16:18	NAT
SG4747-002L	10.00	IGG16A	7/16/2013	16:22	NAT
SG4747-002A	2.000	IGG16A	7/16/2013	16:27	NAT
PBWGG16ICW1	1.000	IGG16A	7/16/2013	16:31	NAT
LCSWGG16ICW1	1.000	IGG16A	7/16/2013	16:36	NAT
SG4931-002T	1.000	IGG16A	7/16/2013	16:40	NAT
SG4979-001	1.000	IGG16A	7/16/2013	16:45	NAT
CCV	1.000	IGG16A	7/16/2013	16:49	NAT
CCB	1.000	IGG16A	7/16/2013	16:54	NAT
SG4979-002	1.000	IGG16A	7/16/2013	16:58	NAT
SG4980-001	1.000	IGG16A	7/16/2013	17:03	NAT
SG4980-002	1.000	IGG16A	7/16/2013	17:07	NAT
SG4980-002L	5.000	IGG16A	7/16/2013	17:12	NAT
SG4980-002S	1.000	IGG16A	7/16/2013	17:16	NAT
SG4980-002P	1.000	IGG16A	7/16/2013	17:21	NAT
SG4981-001	1.000	IGG16A	7/16/2013	17:25	NAT
SG4981-002	1.000	IGG16A	7/16/2013	17:30	NAT
SG4981-003	1.000	IGG16A	7/16/2013	17:34	NAT

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG4981-004	1.000	IGG16A	7/16/2013	17:39	NAT
CCV	1.000	IGG16A	7/16/2013	17:43	NAT
CCB	1.000	IGG16A	7/16/2013	17:47	NAT
SG4981-005	1.000	IGG16A	7/16/2013	17:52	NAT
SG4986-001	2.000	IGG16A	7/16/2013	17:57	NAT
SG4986-001	5.000	IGG16A	7/16/2013	18:01	NAT
CCV	1.000	IGG16A	7/16/2013	18:06	NAT
CCB	1.000	IGG16A	7/16/2013	18:10	NAT
PQL	1.000	IGG16A	7/16/2013	18:14	NAT
ICSA	1.000	IGG16A	7/16/2013	18:19	NAT
ICSAB	1.000	IGG16A	7/16/2013	18:23	NAT
CCV	1.000	IGG16A	7/16/2013	18:28	NAT
CCB	1.000	IGG16A	7/16/2013	18:32	NAT

Intensity Report

Author:

Published: 7/17/2013 7:47:36AM

Notes:

Blank

Method Name: K6010-2011 Method Revision: 832

Analyst Name: NAT

Acquire Date: 7/16/2013 2:17:07PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.0001282	Cts/S	0.00003423	26.69	-25.77
Al3961_R		-0.0004597	Cts/S	0.0005006	108.9	-5.170
As1891_A		-0.0002506	Cts/S	0.0000005997	0.2393	-1.726
Au2427_A		-0.0002400	Cts/S	0.0008322	346.8	-1.660
B_2089_A		0.0003210	Cts/S	0.00006050	18.84	2.211
Ba4554_R		0.0003116	Cts/S	0.0006807	218.4	3.500
Be3130_R		-0.001092	Cts/S	0.0004186	38.33	-12.30
Ca3158_R		-0.0006390	Cts/S	0.0003640	56.97	-7.202
Cd2265_A		-0.0001694	Cts/S	0.00002220	13.10	-1.167
Co2286_A		0.0008982	Cts/S	0.00003527	3.926	6.186
Cr2677_A		0.00002070	Cts/S	0.00001460	70.52	4.165
Cu3273_A		0.000003362	Cts/S	0.00003940	1,172	0.6495
Fe2599_R		0.0005657	Cts/S	0.00009311	16.46	6.372
K_7664_R		-0.009930	Cts/S	0.002827	28.47	-111.8
Li6707_R		-0.00003786	Cts/S	0.0005860	1,548	-0.4347
Mg2025_A		0.00002937	Cts/S	0.00002873	97.83	0.2020
Mn2576_R		0.00002220	Cts/S	0.0000000559	0.2516	0.2500
Mo2020_A		0.00007859	Cts/S	0.00004271	54.34	0.5416
Na5895_R		-0.005254	Cts/S	0.001451	27.62	-59.20
Ni2316_A		-0.00002848	Cts/S	0.00006244	219.2	-0.1967
Pb2203_A		0.0001150	Cts/S	0.00005058	43.99	0.7923
Sb2068_A		0.0001692	Cts/S	0.000005813	3.436	1.165
Se1960_A		0.0001213	Cts/S	0.0001050	86.55	0.8347
Si2516_R		0.0007080	Cts/S	0.0003903	55.12	7.969
Sn1899_A		0.00004249	Cts/S	0.00002270	53.42	0.2924
Sr4215_R		-0.001971	Cts/S	0.0009920	50.33	-22.18
Ti3349_A		-0.00009206	Cts/S	0.00003429	37.25	-18.51
Tl1908_A		0.00006353	Cts/S	0.00004868	76.63	0.4370
V_2924_A		-0.00001739	Cts/S	0.00001420	81.65	-3.482
Zn2062_A		0.0001476	Cts/S	0.00001055	7.146	1.017
Y_3600_R		11,262	Cts/S	28.337	0.25160	11,262
Y_2243_A		6,886.7	Cts/S	18.049	0.26208	6,886.7
Y_3600_A		200,770	Cts/S	1,296.5	0.64576	200,770

Std 1

Method Name: K6010-2011 Method Revision: 832

Analyst Name: NAT

Acquire Date: 7/16/2013 2:21:38PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.09156	Cts/S	0.0002390	0.2610	17,780
Al3961_R		0.9469	Cts/S	0.008129	0.8585	10,740
As1891_A		0.04182	Cts/S	0.00005872	0.1404	282.9
Au2427_A		0.4807	Cts/S	0.0006704	0.1395	3,252
B_2089_A		0.1348	Cts/S	0.00009556	0.07089	911.9
Ba4554_R		2.371	Cts/S	0.006023	0.2540	26,890
Be3130_R		5.016	Cts/S	0.02321	0.4627	56,870
Ca3158_R		1.553	Cts/S	0.00002293	0.001477	17,610
Cd2265_A		1.854	Cts/S	0.0006583	0.03550	12,550
Co2286_A		0.4789	Cts/S	0.0004195	0.08761	3,239
Cr2677_A		0.06909	Cts/S	0.0002591	0.3750	13,420
Cu3273_A		0.06608	Cts/S	0.0002475	0.3745	12,830
Fe2599_R		2.323	Cts/S	0.009876	0.4252	26,330

Std 1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:21:38PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		0.9121	Cts/S	0.0009727	0.1066	10,340
Li6707_R		0.5571	Cts/S	0.0004424	0.07941	6,317
Mg2025_A		0.6269	Cts/S	0.0003287	0.05243	4,241
Mn2576_R		0.4754	Cts/S	0.0001491	0.03136	5,390
Mo2020_A		0.2727	Cts/S	0.0008228	0.3017	1,844
Na5895_R		2.300	Cts/S	0.004425	0.1924	26,080
Ni2316_A		0.2597	Cts/S	0.00004565	0.01757	1,757
Pb2203_A		0.1383	Cts/S	0.0001479	0.1070	935.3
Sb2068_A		0.04705	Cts/S	0.0002121	0.4507	318.3
Se1960_A		0.02598	Cts/S	0.0001029	0.3960	175.8
Si2516_R		0.5898	Cts/S	0.00001476	0.002503	6,687
Sn1899_A		0.06733	Cts/S	0.00003319	0.04929	455.4
Sr4215_R		2.912	Cts/S	0.001665	0.05718	33,020
Ti3349_A		0.1216	Cts/S	0.0007345	0.6040	23,610
Tl1908_A		0.06536	Cts/S	0.00002642	0.04043	442.1
V_2924_A		0.06528	Cts/S	0.0004018	0.6155	12,680
Zn2062_A		0.4419	Cts/S	0.0001641	0.03713	2,989
Y_3600_R		11,338	Cts/S	46.366	0.40895	11,338
Y_2243_A		6,764.8	Cts/S	4.0686	0.060144	6,764.8
Y_3600_A		194,190	Cts/S	143.29	0.073791	194,190

ICV

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:25:57PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		386.0	ug/L	0.9241	0.2394	6,993
Al3961_R		9,762	ug/L	11.45	0.1173	4,196
As1891_A		394.5	ug/L	4.813	1.220	111.1
Au2427_A		389.5	ug/L	0.7264	0.1865	1,272
B_2089_A		394.5	ug/L	5.945	1.507	363.1
Ba4554_R		397.8	ug/L	2.376	0.5974	10,710
Be3130_R		392.6	ug/L	1.565	0.3987	22,350
Ca3158_R		10,260	ug/L	88.91	0.8667	7,231
Cd2265_A		392.1	ug/L	4.303	1.097	4,942
Co2286_A		403.4	ug/L	5.381	1.334	1,317
Cr2677_A		393.0	ug/L	0.3967	0.1009	5,388
Cu3273_A		391.9	ug/L	0.9449	0.2411	5,138
Fe2599_R		9,921	ug/L	66.34	0.6687	10,470
K_7664_R		13,320	ug/L	30.39	0.2282	5,464
Li6707_R		392.0	ug/L	2.163	0.5517	2,480
Mg2025_A		9,983	ug/L	113.2	1.134	1,702
Mn2576_R		395.6	ug/L	0.9425	0.2383	2,136
Mo2020_A		404.1	ug/L	4.764	1.179	749.4
Na5895_R		9,917	ug/L	63.34	0.6387	10,320
Ni2316_A		402.6	ug/L	5.432	1.349	710.8
Pb2203_A		401.0	ug/L	5.102	1.272	377.4
Sb2068_A		391.3	ug/L	5.945	1.519	125.8
Se1960_A		393.5	ug/L	3.702	0.9407	70.01
Si2516_R		9,511	ug/L	9.018	0.09482	2,553
Sn1899_A		397.6	ug/L	4.427	1.114	182.1
Sr4215_R		391.4	ug/L	1.504	0.3842	12,930
Ti3349_A		387.5	ug/L	0.06281	0.01621	9,337
Tl1908_A		402.1	ug/L	5.877	1.462	178.9
V_2924_A		391.8	ug/L	0.1055	0.02692	5,069
Zn2062_A		400.8	ug/L	3.962	0.9885	1,204
Y_3600_R		11,355	Cts/S	127.30	1.1211	11,355

ICV

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:25:57PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		6,798.0	Cts/S	48.983	0.72056	6,798.0
Y_3600_A		198,350	Cts/S	514.83	0.25956	198,350

ICB

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:30:18PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.04425	ug/L	0.3471	784.5	-26.88
Al3961_R		-20.21	ug/L	12.28	60.76	-13.82
As1891_A		2.707	ug/L	0.4565	16.86	-0.9447
Au2427_A		-0.05570	ug/L	0.3936	706.7	-1.847
B_2089_A		2.103	ug/L	0.1329	6.322	4.158
Ba4554_R		0.3354	ug/L	0.2171	64.75	12.51
Be3130_R		-0.05269	ug/L	0.05782	109.7	-15.40
Ca3158_R		-3.455	ug/L	4.930	142.7	-9.679
Cd2265_A		0.04317	ug/L	0.04963	114.9	-0.6181
Co2286_A		0.1665	ug/L	0.01096	6.584	6.769
Cr2677_A		0.06689	ug/L	0.1855	277.4	5.147
Cu3273_A		-0.2410	ug/L	0.3375	140.0	-2.583
Fe2599_R		-0.8410	ug/L	1.264	150.3	5.517
K_7664_R		3.159	ug/L	16.62	526.1	-111.1
Li6707_R		0.6214	ug/L	2.697	434.0	3.438
Mg2025_A		-0.1285	ug/L	4.291	3,339	0.1937
Mn2576_R		0.1571	ug/L	0.1738	110.6	1.094
Mo2020_A		1.517	ug/L	0.4502	29.67	3.405
Na5895_R		4.853	ug/L	5.602	115.4	-54.45
Ni2316_A		-0.09399	ug/L	0.01953	20.77	-0.3627
Pb2203_A		-1.172	ug/L	0.4903	41.83	-0.3287
Sb2068_A		-0.04823	ug/L	0.005788	12.00	1.152
Se1960_A		2.074	ug/L	3.293	158.8	1.210
Si2516_R		-0.6302	ug/L	12.95	2,055	7.844
Sn1899_A		0.6629	ug/L	0.9354	141.1	0.6023
Sr4215_R		-0.1584	ug/L	0.01813	11.45	-27.55
Ti3349_A		0.6547	ug/L	0.02175	3.322	-2.508
Tl1908_A		0.2964	ug/L	1.861	627.8	0.5738
V_2924_A		-0.07236	ug/L	0.2458	339.7	-4.680
Zn2062_A		0.1432	ug/L	0.06978	48.74	1.459
Y_3600_R		11,324	Cts/S	72.768	0.64259	11,324
Y_2243_A		6,918.7	Cts/S	8.0634	0.11654	6,918.7
Y_3600_A		203,170	Cts/S	430.26	0.21177	203,170

PQL

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:34:50PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.37	ug/L	0.08023	0.7737	167.8
Al3961_R		297.8	ug/L	6.539	2.196	122.8
As1891_A		9.631	ug/L	1.503	15.61	1.079
Au2427_A		104.0	ug/L	0.1389	0.1335	344.5
B_2089_A		51.53	ug/L	0.3608	0.7002	48.96
Ba4554_R		5.382	ug/L	0.2214	4.114	148.3
Be3130_R		5.064	ug/L	0.09975	1.970	275.6
Ca3158_R		96.97	ug/L	0.1502	0.1549	61.12
Cd2265_A		5.141	ug/L	0.09072	1.765	65.06
Co2286_A		10.48	ug/L	0.02110	0.2014	41.06

PQL

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:34:50PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		10.24	ug/L	0.09823	0.9597	147.7
Cu3273_A		26.02	ug/L	0.1162	0.4465	349.9
Fe2599_R		103.8	ug/L	1.952	1.880	115.8
K_7664_R		1,077	ug/L	13.76	1.278	337.9
Li6707_R		105.6	ug/L	1.786	1.691	667.2
Mg2025_A		105.6	ug/L	2.142	2.028	18.85
Mn2576_R		5.350	ug/L	0.5072	9.482	29.13
Mo2020_A		10.31	ug/L	0.02980	0.2889	20.08
Na5895_R		1,041	ug/L	7.767	0.7464	1,029
Ni2316_A		10.86	ug/L	0.2218	2.042	19.41
Pb2203_A		4.943	ug/L	0.3169	6.412	5.510
Sb2068_A		8.557	ug/L	1.428	16.68	3.669
Se1960_A		11.36	ug/L	1.367	12.03	2.883
Si2516_R		199.6	ug/L	2.665	1.335	61.41
Sn1899_A		102.3	ug/L	0.5955	0.5823	48.10
Sr4215_R		10.08	ug/L	0.01813	0.1799	310.8
Ti3349_A		15.32	ug/L	0.3355	2.190	359.6
Tl1908_A		15.84	ug/L	0.00006273	0.0003959	7.633
V_2924_A		10.07	ug/L	0.2055	2.041	130.0
Zn2062_A		20.30	ug/L	0.2410	1.187	63.36
Y_3600_R		11,347	Cts/S	139.74	1.2316	11,347
Y_2243_A		6,947.3	Cts/S	26.698	0.38429	6,947.3
Y_3600_A		202,930	Cts/S	775.41	0.38211	202,930

LRS1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:39:22PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	F	2,215	ug/L	0.06247	0.002820	38,580
Al3961_R		-97.82	ug/L	12.36	12.63	332.3
As1891_A		20,830	ug/L	2.430	0.01167	5,541
Au2427_A	W	21,270	ug/L	95.86	0.4507	64,210
B_2089_A		20,670	ug/L	16.47	0.07967	17,530
Ba4554_R		19,900	ug/L	105.5	0.5301	530,400
Be3130_R		19,480	ug/L	58.80	0.3018	1,099,000
Ca3158_R		99.13	ug/L	2.262	2.282	47.12
Cd2265_A		19,660	ug/L	63.26	0.3218	229,900
Co2286_A		20,140	ug/L	38.96	0.1935	60,740
Cr2677_A		19,520	ug/L	2.951	0.01512	255,100
Cu3273_A		19,680	ug/L	2.428	0.01234	246,000
Fe2599_R		-2.685	ug/L	1.736	64.67	3.558
K_7664_R		114.9	ug/L	14.36	12.50	-63.98
Li6707_R		19,030	ug/L	34.06	0.1790	119,200
Mg2025_A		205,000	ug/L	585.3	0.2855	32,880
Mn2576_R		20,410	ug/L	18.79	0.09207	109,000
Mo2020_A		20,120	ug/L	30.89	0.1535	34,620
Na5895_R		73.22	ug/L	7.901	10.79	16.83
Ni2316_A		20,000	ug/L	40.32	0.2016	32,840
Pb2203_A		20,690	ug/L	46.06	0.2226	18,100
Sb2068_A		21,010	ug/L	12.02	0.05722	6,207
Se1960_A		20,670	ug/L	30.61	0.1481	3,372
Si2516_R		-9.371	ug/L	9.915	105.8	72.25
Sn1899_A		20,460	ug/L	51.21	0.2503	8,690
Sr4215_R		19,410	ug/L	73.70	0.3797	635,800
Ti3349_A		19,140	ug/L	184.5	0.9637	440,700
Tl1908_A		20,190	ug/L	44.65	0.2212	8,320

LRS1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:39:22PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A		19,740	ug/L	6.023	0.03052	243,700
Zn2062_A		19,210	ug/L	55.35	0.2881	53,560
Y_3600_R		11,240	Cts/S	32.147	0.28601	11,240
Y_2243_A		6,312.3	Cts/S	23.766	0.37650	6,312.3
Y_3600_A		189,180	Cts/S	147.87	0.078164	189,180

LRS2

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:44:12PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.363	ug/L	0.5318	39.00	-1,189
Al3961_R	W	528,900	ug/L	3,970	0.7506	219,200
As1891_A		10.87	ug/L	1.871	17.22	-4.980
Au2427_A		-8.483	ug/L	0.02563	0.3022	135.6
B_2089_A		41.69	ug/L	5.815	13.95	36.11
Ba4554_R		3.495	ug/L	0.2633	7.533	94.24
Be3130_R		1.248	ug/L	0.07482	5.996	56.02
Ca3158_R		505,900	ug/L	9,958	1.969	344,500
Cd2265_A		2.579	ug/L	0.09638	3.737	152.6
Co2286_A		1.734	ug/L	0.01467	0.8460	17.32
Cr2677_A		1.832	ug/L	0.1480	8.079	30.54
Cu3273_A		0.3655	ug/L	0.6659	182.2	56.15
Fe2599_R		244,000	ug/L	2,326	0.9533	248,300
K_7664_R		294,400	ug/L	712.0	0.2419	118,900
Li6707_R		15.29	ug/L	1.061	6.942	92.95
Mg2025_A		194,200	ug/L	1,220	0.6282	29,820
Mn2576_R		9.324	ug/L	1.154	12.38	66.09
Mo2020_A		25.37	ug/L	5.710	22.51	43.19
Na5895_R	W	186,800	ug/L	387.6	0.2075	188,700
Ni2316_A		3.653	ug/L	0.09805	2.684	-13.40
Pb2203_A		5.630	ug/L	1.546	27.47	-49.42
Sb2068_A		12.70	ug/L	3.078	24.24	9.461
Se1960_A		9.150	ug/L	5.287	57.78	4.345
Si2516_R		94,870	ug/L	1,096	1.155	24,490
Sn1899_A		4.548	ug/L	0.4927	10.83	2.154
Sr4215_R		5.482	ug/L	0.2215	4.040	153.5
Ti3349_A		17.04	ug/L	0.5839	3.427	339.2
Tl1908_A		0.5732	ug/L	1.700	296.6	2.753
V_2924_A		0.5003	ug/L	0.9596	191.8	18.34
Zn2062_A		111.4	ug/L	0.6626	0.5947	305.3
Y_3600_R		10,959	Cts/S	20.075	0.18318	10,959
Y_2243_A		6,178.0	Cts/S	36.154	0.58521	6,178.0
Y_3600_A		171,180	Cts/S	401.18	0.23436	171,180

ICSA

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:53:13PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5315	ug/L	0.3363	63.27	-925.4
Al3961_R		485,700	ug/L	5,760	1.186	201,200
As1891_A		1.268	ug/L	2.017	159.1	-6.043
Au2427_A		-9.556	ug/L	3.489	36.51	92.68
B_2089_A	W	12.80	ug/L	0.07545	0.5897	12.19
Ba4554_R		0.6387	ug/L	0.009982	1.563	20.00
Be3130_R		0.05296	ug/L	0.008996	16.99	-9.216

ICSA

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:53:13PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		479,800	ug/L	4,468	0.9313	326,500
Cd2265_A		1.158	ug/L	0.05768	4.979	105.4
Co2286_A		-1.680	ug/L	0.3048	18.14	5.537
Cr2677_A		1.451	ug/L	0.6305	43.45	25.03
Cu3273_A		0.1978	ug/L	0.3433	173.5	53.46
Fe2599_R		185,100	ug/L	2,193	1.185	188,200
K_7664_R		243.6	ug/L	91.22	37.44	-10.16
Li6707_R		13.63	ug/L	1.646	12.08	82.70
Mg2025_A		466,200	ug/L	1,230	0.2639	70,890
Mn2576_R		0.5193	ug/L	0.7804	150.3	16.52
Mo2020_A		2.612	ug/L	0.2659	10.18	4.837
Na5895_R		53.66	ug/L	20.25	37.74	-3.256
Ni2316_A		-0.5841	ug/L	0.2909	49.80	-15.47
Pb2203_A		0.9440	ug/L	0.6053	64.13	-49.52
Sb2068_A		1.221	ug/L	3.251	266.2	5.414
Se1960_A		3.489	ug/L	2.621	75.12	3.023
Si2516_R		18.20	ug/L	19.17	105.4	9.258
Sn1899_A		1.839	ug/L	2.402	130.6	1.018
Sr4215_R		2.452	ug/L	0.1959	7.991	56.63
Ti3349_A		4.045	ug/L	0.1496	3.698	69.28
Tl1908_A		-0.4783	ug/L	2.741	573.1	2.192
V_2924_A		-0.6152	ug/L	0.2754	44.77	3.661
Zn2062_A		8.201	ug/L	0.1989	2.426	23.09
Y_3600_R		10,952	Cts/S	102.44	0.93542	10,952
Y_2243_A		6,119.1	Cts/S	14.770	0.24137	6,119.1
Y_3600_A		173,140	Cts/S	15.255	0.0088109	173,140

ICSAB

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:57:47PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		216.6	ug/L	0.5794	0.2675	2,555
Al3961_R		485,300	ug/L	495.9	0.1022	202,000
As1891_A		99.09	ug/L	3.810	3.845	19.22
Au2427_A		514.2	ug/L	1.727	0.3358	1,616
B_2089_A		503.9	ug/L	1.520	0.3016	413.6
Ba4554_R		501.0	ug/L	1.029	0.2053	13,080
Be3130_R		494.0	ug/L	1.527	0.3091	27,260
Ca3158_R		490,400	ug/L	3,617	0.7376	335,400
Cd2265_A		958.0	ug/L	3.072	0.3206	10,880
Co2286_A		468.5	ug/L	1.294	0.2762	1,372
Cr2677_A		483.3	ug/L	1.782	0.3688	5,859
Cu3273_A		504.2	ug/L	1.244	0.2467	5,892
Fe2599_R		186,400	ug/L	619.2	0.3322	190,500
K_7664_R		20,810	ug/L	18.40	0.08843	8,337
Li6707_R		533.7	ug/L	1.799	0.3371	3,272
Mg2025_A		471,000	ug/L	1,437	0.3051	71,160
Mn2576_R		476.2	ug/L	1.368	0.2873	2,505
Mo2020_A		493.7	ug/L	2.680	0.5427	818.5
Na5895_R		20,500	ug/L	36.37	0.1774	20,750
Ni2316_A		929.5	ug/L	3.482	0.3746	1,454
Pb2203_A		46.82	ug/L	3.074	6.566	-11.02
Sb2068_A		605.5	ug/L	3.821	0.6311	177.3
Se1960_A		48.25	ug/L	0.1495	0.3099	10.08
Si2516_R		1,916	ug/L	13.11	0.6841	502.8
Sn1899_A		471.5	ug/L	0.6009	0.1274	193.1

ICSAB

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 2:57:47PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		499.1	ug/L	0.1668	0.03341	15,990
Ti3349_A		486.8	ug/L	0.1272	0.02613	10,370
Tl1908_A		92.79	ug/L	2.333	2.514	38.90
V_2924_A		484.7	ug/L	1.873	0.3864	5,558
Zn2062_A		933.5	ug/L	3.567	0.3821	2,509
Y_3600_R		11,005	Cts/S	41.480	0.37692	11,005
Y_2243_A		6,078.5	Cts/S	13.285	0.21857	6,078.5
Y_3600_A		175,290	Cts/S	688.05	0.39253	175,290

CCV

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:02:15PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		488.3	ug/L	1.997	0.4089	8,842
Al3961_R		12,280	ug/L	49.55	0.4034	5,294
As1891_A		490.4	ug/L	0.6425	0.1310	137.7
Au2427_A		493.5	ug/L	2.171	0.4400	1,602
B_2089_A		498.2	ug/L	0.2120	0.04257	455.3
Ba4554_R		506.1	ug/L	1.336	0.2640	13,660
Be3130_R		499.1	ug/L	1.089	0.2181	28,490
Ca3158_R		12,730	ug/L	30.24	0.2375	9,000
Cd2265_A		500.1	ug/L	0.7034	0.1407	6,267
Co2286_A		503.9	ug/L	0.3398	0.06743	1,634
Cr2677_A		501.6	ug/L	0.4910	0.09790	6,867
Cu3273_A		497.9	ug/L	1.171	0.2353	6,519
Fe2599_R		12,540	ug/L	41.08	0.3277	13,260
K_7664_R		12,430	ug/L	25.08	0.2017	5,107
Li6707_R		505.5	ug/L	2.142	0.4237	3,205
Mg2025_A		12,540	ug/L	19.33	0.1542	2,125
Mn2576_R		505.8	ug/L	0.6147	0.1215	2,737
Mo2020_A		509.9	ug/L	0.9974	0.1956	939.8
Na5895_R		12,550	ug/L	38.98	0.3105	13,120
Ni2316_A		506.9	ug/L	0.07400	0.01460	889.8
Pb2203_A		503.2	ug/L	0.6748	0.1341	470.6
Sb2068_A		496.6	ug/L	1.900	0.3827	158.5
Se1960_A		491.9	ug/L	1.097	0.2230	86.79
Si2516_R	W	13,200	ug/L	18.75	0.1420	3,549
Sn1899_A		497.6	ug/L	0.5963	0.1198	226.6
Sr4215_R		506.1	ug/L	0.4592	0.09073	16,770
Ti3349_A		485.7	ug/L	1.968	0.4051	11,690
Tl1908_A		501.1	ug/L	0.02031	0.004053	221.6
V_2924_A		488.2	ug/L	1.607	0.3291	6,309
Zn2062_A		498.3	ug/L	0.8384	0.1683	1,489
Y_3600_R		11,383	Cts/S	101.48	0.89143	11,383
Y_2243_A		6,758.4	Cts/S	13.761	0.20361	6,758.4
Y_3600_A		198,110	Cts/S	47.311	0.023882	198,110

CCB

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:06:36PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.08776	ug/L	0.1322	150.7	-24.76
Al3961_R		-8.732	ug/L	3.630	41.57	-9.134
As1891_A		1.558	ug/L	0.7917	50.80	-1.281
Au2427_A		0.4659	ug/L	1.654	355.0	-0.1100

CCB

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:06:36PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		4.892	ug/L	0.3616	7.392	6.709
Ba4554_R		-0.3769	ug/L	0.4311	114.4	-6.744
Be3130_R		-0.04001	ug/L	0.002416	6.040	-15.04
Ca3158_R		-3.970	ug/L	4.999	125.9	-10.29
Cd2265_A		0.02567	ug/L	0.03832	149.3	-0.8423
Co2286_A		-0.08049	ug/L	0.1280	159.0	5.964
Cr2677_A		0.06252	ug/L	0.2837	453.7	5.151
Cu3273_A		-0.3405	ug/L	0.06508	19.11	-3.957
Fe2599_R		4.110	ug/L	1.533	37.29	11.01
K_7664_R		37.47	ug/L	3.532	9.428	-99.41
Li6707_R		3.611	ug/L	1.354	37.50	22.94
Mg2025_A		-3.947	ug/L	0.2243	5.683	-0.4666
Mn2576_R		0.5310	ug/L	0.5301	99.82	3.188
Mo2020_A		2.602	ug/L	0.1571	6.037	5.463
Na5895_R		10.56	ug/L	12.57	119.0	-49.75
Ni2316_A		0.3182	ug/L	0.2897	91.05	0.3804
Pb2203_A		-0.5863	ug/L	0.4086	69.69	0.2310
Sb2068_A		1.950	ug/L	1.134	58.14	1.805
Se1960_A		0.3056	ug/L	0.01788	5.850	0.8962
Si2516_R		-0.4372	ug/L	4.396	1,005	8.125
Sn1899_A		0.08033	ug/L	0.7030	875.2	0.3325
Sr4215_R		-0.1238	ug/L	0.1819	146.9	-27.11
Ti3349_A		0.1429	ug/L	0.2003	140.2	-15.35
Tl1908_A		-0.3980	ug/L	0.5187	130.3	0.2591
V_2924_A		0.1004	ug/L	0.1770	176.3	-2.531
Zn2062_A		0.1902	ug/L	0.01015	5.338	1.607
Y_3600_R		11,629	Cts/S	46.946	0.40369	11,629
Y_2243_A		6,934.2	Cts/S	15.649	0.22568	6,934.2
Y_3600_A		205,900	Cts/S	111.79	0.054291	205,900

PBWGG16ICW2

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:11:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3100	ug/L	0.1110	35.80	-20.30
Al3961_R		0.4167	ug/L	0.3467	83.20	-5.034
As1891_A		1.699	ug/L	0.06047	3.558	-1.249
Au2427_A		-0.8043	ug/L	0.5683	70.66	-4.357
B_2089_A		3.218	ug/L	0.02943	0.9144	5.196
Ba4554_R		-0.4110	ug/L	0.07912	19.25	-7.545
Be3130_R		0.0002788	ug/L	0.1389	49,810	-12.47
Ca3158_R		6.903	ug/L	6.950	100.7	-2.415
Cd2265_A		-0.05165	ug/L	0.02927	56.67	-1.850
Co2286_A		-0.06404	ug/L	0.2650	413.9	6.059
Cr2677_A		0.3895	ug/L	0.3525	90.52	9.753
Cu3273_A		-0.5192	ug/L	0.5938	114.4	-6.395
Fe2599_R		-2.798	ug/L	2.363	84.45	3.474
K_7664_R		18.48	ug/L	37.68	203.9	-105.3
Li6707_R		1.034	ug/L	1.329	128.6	6.097
Mg2025_A		2.219	ug/L	0.1370	6.177	0.5937
Mn2576_R		0.6484	ug/L	0.6261	96.56	3.750
Mo2020_A		1.346	ug/L	0.01811	1.345	3.109
Na5895_R		-0.3659	ug/L	7.860	2,148	-60.30
Ni2316_A		0.2250	ug/L	0.05945	26.42	0.2119
Pb2203_A		-1.525	ug/L	0.2721	17.84	-0.6747
Sb2068_A		1.199	ug/L	1.795	149.7	1.579

PBWGG16ICW2

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:11:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		-1.260	ug/L	1.585	125.9	0.6212
Si2516_R		0.4450	ug/L	4.212	946.6	8.188
Sn1899_A		-0.8455	ug/L	0.2205	26.08	-0.09999
Sr4215_R		0.003097	ug/L	0.04399	1,420	-22.35
Ti3349_A		0.06790	ug/L	0.1509	222.2	-17.06
Tl1908_A		0.4403	ug/L	1.434	325.7	0.6469
V_2924_A		-0.1985	ug/L	0.1338	67.40	-6.449
Zn2062_A		0.4485	ug/L	0.04441	9.902	2.413
Y_3600_R		11,396	Cts/S	97.464	0.85528	11,396
Y_2243_A		6,977.6	Cts/S	69.290	0.99302	6,977.6
Y_3600_A		204,140	Cts/S	2,944.7	1.4425	204,140

LCSWGG16ICW2

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:15:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	F	0.2160	ug/L	0.07571	35.05	-22.38
Al3961_R	F	-4.851	ug/L	14.76	304.2	-7.438
As1891_A	F	1.279	ug/L	0.5326	41.64	-1.360
Au2427_A		1,074	ug/L	12.03	1.120	3,554
B_2089_A	F	2.498	ug/L	0.1648	6.598	4.486
Ba4554_R	F	-0.06438	ug/L	0.6991	1,086	1.716
Be3130_R	F	-0.07600	ug/L	0.04155	54.68	-16.98
Ca3158_R	F	-1.745	ug/L	5.355	306.8	-8.639
Cd2265_A	F	-0.006876	ug/L	0.02572	374.1	-1.259
Co2286_A	F	0.09089	ug/L	0.03917	43.10	6.513
Cr2677_A	F	0.1343	ug/L	0.1188	88.42	6.192
Cu3273_A	F	-0.3779	ug/L	0.1413	37.39	-4.485
Fe2599_R	F	0.9979	ug/L	2.256	226.0	7.574
K_7664_R	F	40.80	ug/L	45.31	111.1	-97.23
Li6707_R	F	1.554	ug/L	0.9822	63.22	9.503
Mg2025_A	F	4.160	ug/L	0.03059	0.7353	0.9249
Mn2576_R	F	0.05844	ug/L	0.4046	692.4	0.5625
Mo2020_A	F	0.8288	ug/L	0.01578	1.904	2.106
Na5895_R	F	11.58	ug/L	0.2962	2.558	-48.26
Ni2316_A	F	0.1485	ug/L	0.05294	35.66	0.07159
Pb2203_A	F	-0.6230	ug/L	0.3519	56.48	0.1975
Sb2068_A	F	2.114	ug/L	1.497	70.83	1.854
Se1960_A	F	-1.794	ug/L	0.1743	9.714	0.5187
Si2516_R	F	7.516	ug/L	8.494	113.0	10.22
Sn1899_A	F	0.5946	ug/L	1.422	239.1	0.5712
Sr4215_R	F	-0.3805	ug/L	0.6110	160.6	-35.63
Ti3349_A	F	0.2771	ug/L	0.04593	16.57	-12.05
Tl1908_A	F	-0.2114	ug/L	0.3941	186.4	0.3438
V_2924_A	F	0.06904	ug/L	0.1969	285.2	-2.748
Zn2062_A	F	1.826	ug/L	0.1165	6.381	6.603
Y_3600_R		11,527	Cts/S	140.73	1.2209	11,527
Y_2243_A		6,915.1	Cts/S	15.853	0.22926	6,915.1
Y_3600_A		206,610	Cts/S	495.43	0.23980	206,610

LC2WGG16ICW2

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:20:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	F	0.2940	ug/L	0.4551	154.8	-20.97

LC2WGG16ICW2

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:20:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R	F	-4.960	ug/L	6.502	131.1	-7.509
As1891_A	F	1.672	ug/L	0.2633	15.75	-1.251
Au2427_A		1,062	ug/L	10.02	0.9433	3,531
B_2089_A	F	2.658	ug/L	0.08585	3.230	4.640
Ba4554_R	F	-0.2058	ug/L	0.5247	255.0	-2.057
Be3130_R	F	0.08892	ug/L	0.06318	71.05	-7.514
Ca3158_R	F	6.279	ug/L	10.76	171.3	-2.886
Cd2265_A	F	-0.02051	ug/L	0.005202	25.36	-1.441
Co2286_A	F	-0.02822	ug/L	0.09467	335.5	6.147
Cr2677_A	F	0.02509	ug/L	0.2139	852.7	4.652
Cu3273_A	F	-0.08009	ug/L	0.6437	803.8	-0.3977
Fe2599_R	F	-0.8754	ug/L	0.1018	11.63	5.628
K_7664_R	F	23.64	ug/L	57.10	241.6	-105.2
Li6707_R	F	1.435	ug/L	1.367	95.26	8.858
Mg2025_A	F	1.331	ug/L	2.011	151.1	0.4354
Mn2576_R	F	0.09423	ug/L	0.9522	1,011	0.7813
Mo2020_A	F	0.5699	ug/L	0.001505	0.2640	1.625
Na5895_R	F	19.59	ug/L	23.88	121.9	-40.08
Ni2316_A	F	0.1265	ug/L	0.009078	7.174	0.03181
Pb2203_A	F	-0.7544	ug/L	0.6854	90.86	0.07138
Sb2068_A	F	-0.02262	ug/L	2.022	8,937	1.168
Se1960_A	F	0.6333	ug/L	0.3105	49.02	0.9561
Si2516_R	F	2.478	ug/L	3.106	125.3	8.906
Sn1899_A	F	-0.3693	ug/L	0.08303	22.48	0.1225
Sr4215_R	F	-0.3102	ug/L	0.03439	11.09	-33.40
Ti3349_A	F	0.2963	ug/L	0.4278	144.4	-11.61
Tl1908_A	F	0.05713	ug/L	0.5392	943.7	0.4670
V_2924_A	F	-0.08484	ug/L	0.3414	402.4	-4.837
Zn2062_A	F	0.8651	ug/L	0.1319	15.25	3.682
Y_3600_R		11,619	Cts/S	13.764	0.11847	11,619
Y_2243_A		6,944.4	Cts/S	5.6393	0.081206	6,944.4
Y_3600_A		207,650	Cts/S	834.86	0.40204	207,650

SG4988-001

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:24:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		6.555	ug/L	39.68	605.3	-23.24
Al3961_R		181.6	ug/L	187.9	103.4	-3.683
As1891_A		90.12	ug/L	34.21	37.96	-1.186
Au2427_A	W	405,800	ug/L	4,708	1.160	26,400
B_2089_A		162.6	ug/L	20.80	12.79	5.058
Ba4554_R		-2.157	ug/L	17.52	812.0	2.410
Be3130_R		4.904	ug/L	0.5172	10.55	-6.877
Ca3158_R		560.6	ug/L	125.9	22.47	0.6592
Cd2265_A		-3.322	ug/L	1.671	50.30	-1.995
Co2286_A		4.122	ug/L	0.1766	4.283	6.377
Cr2677_A		-3.588	ug/L	1.610	44.87	3.159
Cu3273_A		-16.17	ug/L	16.22	100.3	-3.646
Fe2599_R		36.93	ug/L	250.2	677.4	7.272
K_7664_R		439,300	ug/L	1,212	0.2759	3,598
Li6707_R		-95.38	ug/L	58.07	60.89	-12.62
Mg2025_A		105.0	ug/L	99.81	95.10	0.5582
Mn2576_R		-0.3560	ug/L	37.66	10,580	0.2212
Mo2020_A		26.87	ug/L	18.17	67.62	1.527
Na5895_R	W	1,479,000	ug/L	10,140	0.6857	31,170

SG4988-001

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:24:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		468.0	ug/L	20.99	4.485	16.32
Pb2203_A		-72.94	ug/L	3.408	4.672	-0.5931
Sb2068_A		-5.071	ug/L	35.11	692.5	1.115
Se1960_A		-43.14	ug/L	77.06	178.6	0.6736
Si2516_R		10.76	ug/L	47.27	439.4	8.169
Sn1899_A		-28.47	ug/L	17.19	60.38	0.02876
Sr4215_R		-1.106	ug/L	16.20	1,464	-23.33
Ti3349_A		13.77	ug/L	15.59	113.2	-11.71
Tl1908_A		439.0	ug/L	0.8888	0.2024	4.332
V_2924_A		9.106	ug/L	4.316	47.40	-1.115
Zn2062_A		37.00	ug/L	2.411	6.516	3.226
Y_3600_R		11,453	Cts/S	31.345	0.27369	11,453
Y_2243_A		6,792.9	Cts/S	36.982	0.54442	6,792.9
Y_3600_A		200,530	Cts/S	1,377.8	0.68705	200,530

SG4782-001A

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:29:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		471.8	ug/L	3.857	0.8175	8,615
Al3961_R		9,751	ug/L	34.97	0.3586	4,259
As1891_A		484.5	ug/L	1.373	0.2834	137.6
Au2427_A		4.811	ug/L	0.09309	1.935	17.82
B_2089_A		491.5	ug/L	1.174	0.2389	453.6
Ba4554_R		492.8	ug/L	0.1939	0.03934	13,480
Be3130_R		483.2	ug/L	1.345	0.2784	27,950
Ca3158_R		16,110	ug/L	43.40	0.2694	11,540
Cd2265_A		476.8	ug/L	1.697	0.3558	6,037
Co2286_A		486.7	ug/L	1.591	0.3269	1,595
Cr2677_A		482.3	ug/L	3.454	0.7162	6,645
Cu3273_A		483.3	ug/L	3.932	0.8136	6,367
Fe2599_R		8,686	ug/L	13.64	0.1570	9,313
K_7664_R		12,180	ug/L	0.8313	0.006826	5,067
Li6707_R		480.2	ug/L	3.170	0.6600	3,086
Mg2025_A		9,479	ug/L	38.77	0.4091	1,628
Mn2576_R		600.1	ug/L	0.7303	0.1217	3,291
Mo2020_A		488.2	ug/L	3.456	0.7080	909.6
Na5895_R	W	33,460	ug/L	56.96	0.1702	35,530
Ni2316_A		491.4	ug/L	1.163	0.2367	872.1
Pb2203_A		485.6	ug/L	2.520	0.5189	459.2
Sb2068_A		473.3	ug/L	5.743	1.213	154.2
Se1960_A		478.1	ug/L	3.221	0.6736	85.28
Si2516_R		10,980	ug/L	27.41	0.2497	2,992
Sn1899_A		0.7040	ug/L	0.2225	31.60	0.6137
Sr4215_R		528.3	ug/L	2.161	0.4091	17,740
Ti3349_A		469.4	ug/L	5.547	1.182	11,370
Tl1908_A		488.3	ug/L	1.648	0.3376	218.1
V_2924_A		474.7	ug/L	5.199	1.095	6,170
Zn2062_A		485.7	ug/L	1.412	0.2907	1,467
Y_3600_R		11,536	Cts/S	59.620	0.51682	11,536
Y_2243_A		6,830.8	Cts/S	17.327	0.25365	6,830.8
Y_3600_A		199,350	Cts/S	1,097.9	0.55074	199,350

SG4782-001L

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT

SG4782-001L

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:33:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.078	ug/L	0.6209	29.88	-22.48
Al3961_R		51.84	ug/L	60.74	117.2	-0.7102
As1891_A		10.54	ug/L	5.187	49.22	-1.133
Au2427_A		4.970	ug/L	7.082	142.5	2.036
B_2089_A		19.46	ug/L	0.04718	0.2424	5.764
Ba4554_R		6.329	ug/L	0.6333	10.01	38.46
Be3130_R		-0.2549	ug/L	0.04746	18.62	-15.64
Ca3158_R		10,860	ug/L	21.21	0.1953	1,558
Cd2265_A		0.1116	ug/L	0.1270	113.8	-0.4869
Co2286_A		-1.258	ug/L	0.01009	0.8017	5.393
Cr2677_A		0.4012	ug/L	1.106	275.6	5.442
Cu3273_A		-0.2193	ug/L	0.4613	210.3	0.03771
Fe2599_R		3,488	ug/L	1.814	0.05202	758.2
K_7664_R		2,996	ug/L	249.7	8.334	141.3
Li6707_R		3.298	ug/L	2.539	76.99	3.804
Mg2025_A		4,418	ug/L	0.06140	0.001390	151.7
Mn2576_R		120.5	ug/L	0.4260	0.3534	133.2
Mo2020_A		10.05	ug/L	1.600	15.92	4.324
Na5895_R		29,560	ug/L	86.09	0.2912	6,263
Ni2316_A		-0.6780	ug/L	1.283	189.3	-0.4965
Pb2203_A		-1.409	ug/L	0.9496	67.39	0.5411
Sb2068_A		6.523	ug/L	3.840	58.87	1.595
Se1960_A		-5.228	ug/L	11.37	217.5	0.6585
Si2516_R		10,650	ug/L	72.76	0.6832	590.3
Sn1899_A		-0.3028	ug/L	5.825	1,924	0.2649
Sr4215_R		53.27	ug/L	0.6149	1.154	337.3
Ti3349_A		1.181	ug/L	0.1531	12.96	-12.96
Tl1908_A		-0.5977	ug/L	4.247	710.6	0.3643
V_2924_A		1.643	ug/L	1.529	93.07	-0.08512
Zn2062_A		3.601	ug/L	0.2530	7.025	3.217
Y_3600_R		11,601	Cts/S	147.68	1.2729	11,601
Y_2243_A		6,900.7	Cts/S	4.0766	0.059075	6,900.7
Y_3600_A		205,020	Cts/S	762.51	0.37191	205,020

LCSOGG15ICS1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:38:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.18	ug/L	0.1770	0.3598	884.4
Al3961_R		1,934	ug/L	5.197	0.2688	844.5
As1891_A		94.96	ug/L	0.7736	0.8146	25.71
Au2427_A		1.806	ug/L	0.5120	28.35	2.835
B_2089_A		489.5	ug/L	2.011	0.4108	445.1
Ba4554_R		2,005	ug/L	2.843	0.1418	54,850
Be3130_R		49.58	ug/L	0.1011	0.2040	2,851
Ca3158_R		2,618	ug/L	11.23	0.4290	1,870
Cd2265_A		242.4	ug/L	0.9663	0.3986	3,066
Co2286_A		509.5	ug/L	3.513	0.6895	1,669
Cr2677_A		199.0	ug/L	0.02369	0.01191	2,785
Cu3273_A		250.6	ug/L	0.8912	0.3557	3,343
Fe2599_R		1,008	ug/L	2.204	0.2186	1,087
K_7664_R		9,805	ug/L	46.17	0.4709	4,059
Li6707_R		485.1	ug/L	0.2919	0.06017	3,119
Mg2025_A		4,944	ug/L	16.73	0.3385	857.8
Mn2576_R		495.9	ug/L	0.5491	0.1107	2,721
Mo2020_A		293.9	ug/L	2.697	0.9177	547.4

LCSOGG15ICS1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:38:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,448	ug/L	1.142	0.01533	7,865
Ni2316_A		512.4	ug/L	0.9870	0.1926	909.3
Pb2203_A		104.5	ug/L	0.4778	0.4574	99.21
Sb2068_A		99.96	ug/L	3.012	3.013	31.94
Se1960_A		97.49	ug/L	1.110	1.138	18.09
Si2516_R	F	3,048	ug/L	12.03	0.3947	837.8
Sn1899_A		510.4	ug/L	1.423	0.2789	234.8
Sr4215_R		490.5	ug/L	1.289	0.2629	16,470
Ti3349_A		477.1	ug/L	4.051	0.8490	11,720
Tl1908_A		99.90	ug/L	0.1749	0.1751	44.73
V_2924_A		482.3	ug/L	2.852	0.5914	6,405
Zn2062_A		498.8	ug/L	2.326	0.4662	1,507
Y_3600_R		11,541	Cts/S	50.993	0.44185	11,541
Y_2243_A		6,829.0	Cts/S	3.8679	0.056639	6,829.0
Y_3600_A		202,280	Cts/S	671.64	0.33203	202,280

PBSGG15ICS1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:42:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1412	ug/L	0.4820	341.4	-24.24
Al3961_R		-15.09	ug/L	0.9423	6.245	-12.01
As1891_A		1.199	ug/L	0.1439	12.01	-1.400
Au2427_A		0.2963	ug/L	0.05399	18.23	-0.6747
B_2089_A		2.572	ug/L	0.04697	1.826	4.630
Ba4554_R		0.4956	ug/L	0.3248	65.54	17.34
Be3130_R		-0.01255	ug/L	0.03963	315.9	-13.51
Ca3158_R		76.61	ug/L	7.555	9.861	48.16
Cd2265_A		0.09986	ug/L	0.05826	58.34	0.1208
Co2286_A		-0.005860	ug/L	0.008586	146.5	6.271
Cr2677_A		0.6714	ug/L	0.1424	21.21	14.04
Cu3273_A		0.6085	ug/L	0.000003211	0.0005277	9.109
Fe2599_R		21.36	ug/L	1.286	6.022	29.80
K_7664_R		17.34	ug/L	3.874	22.34	-108.6
Li6707_R		1.414	ug/L	1.532	108.3	8.815
Mg2025_A		28.03	ug/L	0.5124	1.828	5.087
Mn2576_R		0.9858	ug/L	0.4511	45.76	5.750
Mo2020_A		1.538	ug/L	0.2108	13.71	3.482
Na5895_R		43.35	ug/L	4.863	11.22	-14.72
Ni2316_A		0.2370	ug/L	0.009670	4.081	0.2329
Pb2203_A	W	2.668	ug/L	0.6893	25.84	3.395
Sb2068_A		1.107	ug/L	1.014	91.62	1.494
Se1960_A		-0.1070	ug/L	0.1646	153.8	0.8299
Si2516_R		2.588	ug/L	18.78	725.5	8.969
Sn1899_A		16.99	ug/L	0.1110	0.6531	8.295
Sr4215_R		0.1366	ug/L	0.1142	83.66	-18.41
Ti3349_A		0.6315	ug/L	0.1194	18.90	-3.173
Tl1908_A		0.2894	ug/L	0.6182	213.6	0.5759
V_2924_A		0.1508	ug/L	0.01423	9.432	-1.797
Zn2062_A		1.107	ug/L	0.1164	10.52	4.456
Y_3600_R		11,690	Cts/S	116.01	0.99236	11,690
Y_2243_A		6,996.7	Cts/S	16.694	0.23860	6,996.7
Y_3600_A		209,240	Cts/S	188.92	0.090290	209,240

SG4773-001

Method Name: K6010-2011 Method Revision: 832

SG4773-001

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:47:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		8.545	ug/L	0.04334	0.5072	-145.1
Al3961_R		20,970	ug/L	14.30	0.06820	9,386
As1891_A		34.10	ug/L	2.678	7.853	6.942
Au2427_A		-0.3734	ug/L	0.1635	43.77	29.54
B_2089_A		28.86	ug/L	0.4712	1.633	28.34
Ba4554_R		488.1	ug/L	0.3826	0.07839	13,700
Be3130_R		1.174	ug/L	0.01713	1.459	17.83
Ca3158_R	W	31,360	ug/L	146.3	0.4665	23,060
Cd2265_A		4.126	ug/L	0.005749	0.1393	78.80
Co2286_A		10.70	ug/L	0.1765	1.649	50.15
Cr2677_A		82.77	ug/L	0.3094	0.3738	1,182
Cu3273_A	W	1,091	ug/L	1.905	0.1745	14,830
Fe2599_R	W	46,760	ug/L	9.760	0.02087	51,420
K_7664_R		12,690	ug/L	83.00	0.6540	5,424
Li6707_R		34.83	ug/L	2.233	6.413	229.2
Mg2025_A		14,770	ug/L	58.46	0.3957	2,520
Mn2576_R		418.1	ug/L	0.1004	0.02401	2,356
Mo2020_A		14.23	ug/L	0.06804	0.4782	27.15
Na5895_R		12,730	ug/L	81.76	0.6423	13,830
Ni2316_A		68.86	ug/L	0.3387	0.4918	118.5
Pb2203_A		224.4	ug/L	0.08468	0.03774	213.0
Sb2068_A		4.809	ug/L	0.1274	2.650	3.282
Se1960_A		7.846	ug/L	3.566	45.45	2.601
Si2516_R		2,441	ug/L	22.48	0.9211	688.3
Sn1899_A		59.18	ug/L	0.4675	0.7899	27.62
Sr4215_R		225.2	ug/L	0.5197	0.2307	7,746
Ti3349_A		987.6	ug/L	6.839	0.6925	24,690
Tl1908_A		0.3962	ug/L	0.2245	56.67	-0.2515
V_2924_A		54.09	ug/L	0.6369	1.177	726.4
Zn2062_A	W	2,231	ug/L	7.453	0.3340	6,772
Y_3600_R		11,838	Cts/S	122.95	1.0386	11,838
Y_2243_A		6,862.4	Cts/S	0.75067	0.010939	6,862.4
Y_3600_A		205,690	Cts/S	295.35	0.14358	205,690

SG4773-003

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:51:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		33.32	ug/L	1.157	3.473	306.1
Al3961_R		22,810	ug/L	137.3	0.6018	10,220
As1891_A		39.29	ug/L	1.718	4.372	8.328
Au2427_A		5.570	ug/L	0.6812	12.23	32.39
B_2089_A		81.44	ug/L	0.8149	1.001	75.10
Ba4554_R		622.3	ug/L	3.921	0.6301	17,490
Be3130_R		1.276	ug/L	0.02921	2.289	42.75
Ca3158_R	W	44,080	ug/L	267.3	0.6063	32,450
Cd2265_A		4.845	ug/L	0.01059	0.2186	88.92
Co2286_A		14.89	ug/L	0.3315	2.227	60.19
Cr2677_A		149.2	ug/L	0.3800	0.2546	2,108
Cu3273_A	W	1,915	ug/L	6.879	0.3593	25,760
Fe2599_R	W	50,130	ug/L	297.5	0.5934	55,180
K_7664_R		16,840	ug/L	23.58	0.1400	7,243
Li6707_R		24.19	ug/L	3.143	12.99	159.3
Mg2025_A		12,610	ug/L	75.12	0.5956	2,144
Mn2576_R	W	4,737	ug/L	33.45	0.7062	26,680
Mo2020_A		23.28	ug/L	0.1983	0.8519	43.94

SG4773-003

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:51:34PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,085	ug/L	40.47	0.9907	4,400
Ni2316_A		122.4	ug/L	1.109	0.9055	213.0
Pb2203_A		156.3	ug/L	1.538	0.9835	147.3
Sb2068_A		6.509	ug/L	0.2813	4.322	3.801
Se1960_A		11.82	ug/L	1.135	9.605	3.901
Si2516_R		2,473	ug/L	0.8608	0.03481	697.8
Sn1899_A		141.0	ug/L	1.142	0.8095	65.16
Sr4215_R		288.4	ug/L	1.562	0.5416	9,935
Ti3349_A		529.1	ug/L	0.2559	0.04836	13,060
Tl1908_A		0.4025	ug/L	1.604	398.4	-3.355
V_2924_A		59.46	ug/L	0.2338	0.3932	635.0
Zn2062_A	W	3,538	ug/L	23.00	0.6502	10,700
Y_3600_R		11,848	Cts/S	47.441	0.40040	11,848
Y_2243_A		6,836.3	Cts/S	35.615	0.52097	6,836.3
Y_3600_A		203,300	Cts/S	259.09	0.12744	203,300

CCV

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 3:56:00PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		483.6	ug/L	1.129	0.2334	8,778
Al3961_R		11,990	ug/L	17.38	0.1449	5,186
As1891_A		494.6	ug/L	3.751	0.7583	137.5
Au2427_A		493.7	ug/L	2.023	0.4097	1,586
B_2089_A		495.1	ug/L	1.116	0.2254	447.9
Ba4554_R		498.2	ug/L	0.7326	0.1470	13,500
Be3130_R		490.2	ug/L	0.4911	0.1002	28,090
Ca3158_R		12,590	ug/L	103.8	0.8246	8,930
Cd2265_A		502.2	ug/L	1.457	0.2902	6,228
Co2286_A		507.1	ug/L	1.283	0.2530	1,627
Cr2677_A		497.3	ug/L	0.7755	0.1560	6,825
Cu3273_A		495.9	ug/L	1.037	0.2092	6,508
Fe2599_R		12,330	ug/L	23.18	0.1879	13,090
K_7664_R		12,250	ug/L	97.09	0.7928	5,047
Li6707_R		495.9	ug/L	0.8077	0.1629	3,156
Mg2025_A		12,630	ug/L	33.15	0.2626	2,118
Mn2576_R		495.0	ug/L	1.970	0.3981	2,689
Mo2020_A		510.1	ug/L	3.616	0.7090	930.4
Na5895_R		12,530	ug/L	0.3579	0.002855	13,140
Ni2316_A		512.1	ug/L	1.685	0.3291	889.5
Pb2203_A		505.4	ug/L	0.1201	0.02377	467.8
Sb2068_A		499.5	ug/L	1.468	0.2939	157.7
Se1960_A		493.9	ug/L	0.6128	0.1241	86.24
Si2516_R		12,420	ug/L	38.56	0.3105	3,351
Sn1899_A		501.1	ug/L	1.026	0.2048	225.8
Sr4215_R		499.0	ug/L	1.644	0.3295	16,590
Ti3349_A		478.9	ug/L	0.8988	0.1877	11,560
Tl1908_A		504.4	ug/L	1.954	0.3873	220.7
V_2924_A		481.1	ug/L	0.6594	0.1371	6,231
Zn2062_A		500.9	ug/L	2.454	0.4899	1,481
Y_3600_R		11,425	Cts/S	6.6565	0.058261	11,425
Y_2243_A		6,687.9	Cts/S	1.9698	0.029453	6,687.9
Y_3600_A		198,580	Cts/S	64.000	0.032228	198,580

CCB

Method Name: K6010-2011 Method Revision: 832

CCB

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:00:20PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1240	ug/L	0.3780	304.9	-23.62
Al3961_R		-21.94	ug/L	4.089	18.64	-14.64
As1891_A		2.069	ug/L	0.8551	41.33	-1.125
Au2427_A		0.4421	ug/L	1.394	315.3	-0.2011
B_2089_A		1.356	ug/L	0.7117	52.49	3.456
Ba4554_R		-0.3996	ug/L	0.4913	123.0	-7.202
Be3130_R		0.01253	ug/L	0.01631	130.1	-11.70
Ca3158_R		0.4983	ug/L	8.073	1,620	-6.901
Cd2265_A		-0.01727	ug/L	0.06942	402.0	-1.383
Co2286_A		0.02959	ug/L	0.2013	680.5	6.280
Cr2677_A		0.3120	ug/L	0.3602	115.4	8.534
Cu3273_A		-0.002710	ug/L	0.4028	14,860	0.6227
Fe2599_R		2.310	ug/L	0.9554	41.35	8.866
K_7664_R		60.55	ug/L	43.15	71.26	-87.51
Li6707_R		-1.339	ug/L	0.8571	64.02	-8.918
Mg2025_A		-0.8185	ug/L	0.1812	22.14	0.06874
Mn2576_R		0.2184	ug/L	0.5554	254.3	1.438
Mo2020_A		1.152	ug/L	0.03656	3.173	2.702
Na5895_R		5.826	ug/L	2.900	49.78	-53.61
Ni2316_A		0.2402	ug/L	0.5361	223.1	0.2343
Pb2203_A		-0.9761	ug/L	0.7296	74.74	-0.1382
Sb2068_A		0.2031	ug/L	1.837	904.6	1.233
Se1960_A		0.9032	ug/L	2.480	274.6	0.9961
Si2516_R		10.31	ug/L	3.486	33.81	10.81
Sn1899_A		-1.024	ug/L	0.7532	73.55	-0.1812
Sr4215_R		-0.1238	ug/L	0.3037	245.3	-26.52
Ti3349_A		0.1200	ug/L	0.2174	181.1	-15.64
Tl1908_A		0.3914	ug/L	0.5991	153.0	0.6133
V_2924_A		0.03669	ug/L	0.5406	1,474	-3.200
Zn2062_A		0.06418	ug/L	0.03897	60.72	1.210
Y_3600_R		11,366	Cts/S	41.301	0.36338	11,366
Y_2243_A		6,881.0	Cts/S	21.700	0.31536	6,881.0
Y_3600_A		202,280	Cts/S	1,000.0	0.49437	202,280

SG4872-012

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:04:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.367	ug/L	2.539	58.14	-982.4
Al3961_R	W	274,700	ug/L	1,856	0.6756	61,670
As1891_A		87.54	ug/L	2.919	3.334	6.410
Au2427_A		0.04975	ug/L	0.4365	877.5	108.6
B_2089_A		45.03	ug/L	1.511	3.355	22.14
Ba4554_R		1,051	ug/L	2.478	0.2358	14,790
Be3130_R		12.13	ug/L	0.05759	0.4749	140.7
Ca3158_R		37,990	ug/L	320.1	0.8426	14,010
Cd2265_A		3.102	ug/L	0.3889	12.54	119.6
Co2286_A		139.0	ug/L	0.7963	0.5730	276.3
Cr2677_A		464.0	ug/L	0.7249	0.1562	3,183
Cu3273_A		207.4	ug/L	0.4267	0.2057	1,180
Fe2599_R	W	340,600	ug/L	2,259	0.6633	187,800
K_7664_R		31,210	ug/L	205.2	0.6574	6,716
Li6707_R		435.4	ug/L	4.747	1.090	1,440
Mg2025_A	W	81,130	ug/L	212.5	0.2619	6,860
Mn2576_R	W	6,252	ug/L	38.88	0.6218	17,650
Mo2020_A		7.528	ug/L	1.289	17.12	7.450

SG4872-012

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:04:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,522	ug/L	7.088	0.4657	770.7
Ni2316_A		316.9	ug/L	0.7730	0.2439	265.1
Pb2203_A		779.3	ug/L	0.3443	0.04418	356.3
Sb2068_A		3.178	ug/L	2.062	64.87	4.646
Se1960_A		-8.975	ug/L	1.464	16.31	1.715
Si2516_R		3,552	ug/L	10.90	0.3070	503.4
Sn1899_A		30.82	ug/L	0.4501	1.461	7.339
Sr4215_R		224.2	ug/L	3.317	1.480	3,854
Ti3349_A	W	10,510	ug/L	21.82	0.2076	126,500
Tl1908_A		-1.509	ug/L	2.051	136.0	-4.496
V_2924_A		612.6	ug/L	1.358	0.2217	3,959
Zn2062_A		1,268	ug/L	4.339	0.3421	1,907
Y_3600_R		11,873	Cts/S	159.88	1.3465	11,873
Y_2243_A		6,800.3	Cts/S	7.1061	0.10450	6,800.3
Y_3600_A		197,850	Cts/S	52.956	0.026766	197,850

SG4823-001

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:09:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		130.1	ug/L	15.60	11.99	-1.699
Al3961_R		613.4	ug/L	363.7	59.29	-2.571
As1891_A		145.8	ug/L	56.77	38.93	-1.300
Au2427_A		49.60	ug/L	42.46	85.62	-0.01239
B_2089_A		71.09	ug/L	10.02	14.09	2.854
Ba4554_R		-10.16	ug/L	4.613	45.41	0.8068
Be3130_R		-3.302	ug/L	10.09	305.5	-14.34
Ca3158_R		394.0	ug/L	378.3	96.03	-4.466
Cd2265_A		-3.925	ug/L	2.482	63.24	-1.658
Co2286_A		-6.697	ug/L	3.336	49.82	5.964
Cr2677_A		25.86	ug/L	21.83	84.44	7.900
Cu3273_A		1.859	ug/L	7.502	403.6	0.8870
Fe2599_R		721.1	ug/L	189.8	26.32	14.01
K_7664_R		2,900	ug/L	697.1	24.04	-100.5
Li6707_R		90.52	ug/L	122.1	134.9	5.273
Mg2025_A		233.1	ug/L	41.49	17.80	0.5999
Mn2576_R		6.896	ug/L	4.855	70.41	0.6250
Mo2020_A		44.31	ug/L	39.72	89.64	1.370
Na5895_R		453.0	ug/L	803.1	177.3	-54.91
Ni2316_A		7.638	ug/L	32.21	421.8	-0.05922
Pb2203_A	W	1,254,000	ug/L	674.4	0.05378	11,950
Sb2068_A		-17.56	ug/L	172.6	982.6	1.106
Se1960_A		-175.4	ug/L	219.5	125.1	0.5225
Si2516_R		21.01	ug/L	131.8	627.3	8.094
Sn1899_A		11.23	ug/L	69.27	616.8	0.3437
Sr4215_R		-5.219	ug/L	2.948	56.49	-24.09
Ti3349_A		147.8	ug/L	28.67	19.40	17.98
Tl1908_A		23.00	ug/L	141.7	616.1	0.5391
V_2924_A		20.93	ug/L	5.007	23.92	-0.7760
Zn2062_A		34.74	ug/L	5.468	15.74	2.069
Y_3600_R		11,348	Cts/S	61.775	0.54437	11,348
Y_2243_A		6,870.8	Cts/S	5.0467	0.073451	6,870.8
Y_3600_A		204,970	Cts/S	356.05	0.17371	204,970

SG4865-001

Method Name: K6010-2011 Method Revision: 832

SG4865-001

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:13:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		220.0	ug/L	0.8641	0.3928	213.8
Al3961_R	W	143,800	ug/L	298.3	0.2074	12,820
As1891_A		0.8863	ug/L	5.144	580.3	-4.170
Au2427_A		-13.75	ug/L	2.715	19.75	61.45
B_2089_A	W	19,060	ug/L	544.8	2.859	3,353
Ba4554_R		293.9	ug/L	0.2261	0.07693	1,646
Be3130_R		4.925	ug/L	0.03967	0.8054	44.03
Ca3158_R		5,143	ug/L	17.40	0.3383	745.4
Cd2265_A		145.3	ug/L	5.528	3.804	420.8
Co2286_A		-1.837	ug/L	0.5632	30.65	7.998
Cr2677_A		1,517	ug/L	16.66	1.098	4,244
Cu3273_A	W	6,515	ug/L	50.23	0.7710	17,440
Fe2599_R	W	506,100	ug/L	1,164	0.2300	110,800
K_7664_R		43,320	ug/L	541.4	1.250	3,648
Li6707_R		1,950	ug/L	0.5531	0.02836	2,560
Mg2025_A		1,678	ug/L	26.23	1.564	58.31
Mn2576_R		1,484	ug/L	2.605	0.1756	1,668
Mo2020_A		31.65	ug/L	0.08945	0.2826	12.31
Na5895_R		51,600	ug/L	11.00	0.02133	11,150
Ni2316_A		69.93	ug/L	1.390	1.987	15.77
Pb2203_A		227.4	ug/L	9.335	4.105	42.60
Sb2068_A		10.13	ug/L	8.279	81.70	3.629
Se1960_A		121.8	ug/L	4.381	3.596	5.798
Si2516_R		5,681	ug/L	76.56	1.348	321.8
Sn1899_A		546.1	ug/L	21.84	3.999	50.15
Sr4215_R		35.21	ug/L	1.749	4.969	218.5
Ti3349_A		184.9	ug/L	1.939	1.048	891.8
Tl1908_A		1.482	ug/L	0.7349	49.60	0.2340
V_2924_A		34.35	ug/L	0.7918	2.305	67.85
Zn2062_A		2,525	ug/L	70.67	2.798	1,516
Y_3600_R		11,782	Cts/S	26.840	0.22782	11,782
Y_2243_A		6,788.3	Cts/S	154.78	2.2801	6,788.3
Y_3600_A		202,180	Cts/S	1,236.0	0.61136	202,180

SG4839-007

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:18:22PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.597	ug/L	0.3453	9.598	-72.31
Al3961_R		386.5	ug/L	113.5	29.36	11.58
As1891_A		5.173	ug/L	6.934	134.0	-1.728
Au2427_A		127.1	ug/L	1.322	1.039	8.775
B_2089_A		116.5	ug/L	10.13	8.696	11.97
Ba4554_R		41.25	ug/L	1.839	4.459	116.6
Be3130_R		1.161	ug/L	0.7696	66.30	-5.479
Ca3158_R	W	425,200	ug/L	1,782	0.4191	30,510
Cd2265_A		1.010	ug/L	0.2041	20.21	5.312
Co2286_A		217.0	ug/L	0.3926	0.1809	73.94
Cr2677_A		10.15	ug/L	2.545	25.06	30.97
Cu3273_A		4.376	ug/L	4.731	108.1	5.712
Fe2599_R		96,500	ug/L	83.52	0.08655	10,360
K_7664_R		9,521	ug/L	349.3	3.669	290.8
Li6707_R		46.06	ug/L	36.45	79.15	29.25
Mg2025_A		168,700	ug/L	1,555	0.9216	2,747
Mn2576_R	W	86,270	ug/L	437.4	0.5070	47,350
Mo2020_A		-4.326	ug/L	2.001	46.25	-0.2622

SG4839-007

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:18:22PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	823,300	ug/L	1,788	0.2172	87,610
Ni2316_A		88.87	ug/L	0.08712	0.09803	14.13
Pb2203_A		2.681	ug/L	14.32	534.2	1.267
Sb2068_A		-14.37	ug/L	13.25	92.19	0.7490
Se1960_A		25.55	ug/L	1.746	6.831	2.405
Si2516_R		20,770	ug/L	224.7	1.082	573.0
Sn1899_A		-6.259	ug/L	5.976	95.48	0.001266
Sr4215_R		1,639	ug/L	6.494	0.3962	5,493
Ti3349_A		5.546	ug/L	3.295	59.42	-4.837
Tl1908_A		24.47	ug/L	5.915	24.18	-4.816
V_2924_A		184.9	ug/L	1.346	0.7277	-43.35
Zn2062_A		21.96	ug/L	0.7278	3.314	7.326
Y_3600_R		11,549	Cts/S	54.593	0.47273	11,549
Y_2243_A		6,550.2	Cts/S	59.478	0.90804	6,550.2
Y_3600_A		195,650	Cts/S	1,030.2	0.52657	195,650

SG4747-002L

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:22:51PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		43.33	ug/L	0.2312	0.5337	-116.7
Al3961_R		151,800	ug/L	439.8	0.2897	6,594
As1891_A		110.4	ug/L	4.059	3.678	0.7448
Au2427_A		-12.19	ug/L	2.403	19.71	14.42
B_2089_A		415.4	ug/L	0.1860	0.04478	39.70
Ba4554_R		1,380	ug/L	6.994	0.5068	3,763
Be3130_R		8.574	ug/L	0.4335	5.056	8.725
Ca3158_R		35,160	ug/L	84.37	0.2399	2,504
Cd2265_A		134.3	ug/L	0.1777	0.1323	187.5
Co2286_A		74.04	ug/L	1.308	1.766	36.99
Cr2677_A		3,035	ug/L	0.7538	0.02484	4,263
Cu3273_A		7,126	ug/L	11.58	0.1625	9,562
Fe2599_R	W	288,000	ug/L	302.7	0.1051	30,740
K_7664_R		34,510	ug/L	593.9	1.721	1,348
Li6707_R		389.1	ug/L	14.11	3.627	248.6
Mg2025_A		69,360	ug/L	83.85	0.1209	1,189
Mn2576_R		2,490	ug/L	3.007	0.1208	1,362
Mo2020_A		115.6	ug/L	1.346	1.164	22.31
Na5895_R		54,190	ug/L	226.4	0.4179	5,682
Ni2316_A		791.3	ug/L	4.735	0.5983	139.0
Pb2203_A		5,409	ug/L	14.73	0.2722	516.9
Sb2068_A		22.65	ug/L	10.74	47.44	3.142
Se1960_A		17.16	ug/L	19.29	112.4	1.377
Si2516_R		3,976	ug/L	220.3	5.540	115.4
Sn1899_A		620.8	ug/L	5.577	0.8983	29.09
Sr4215_R		513.7	ug/L	4.944	0.9625	1,697
Ti3349_A		7,440	ug/L	50.71	0.6815	18,370
Tl1908_A		1.956	ug/L	3.449	176.4	-0.07314
V_2924_A		562.5	ug/L	8.326	1.480	734.4
Zn2062_A	W	12,060	ug/L	10.65	0.08832	3,676
Y_3600_R		11,492	Cts/S	126.60	1.1017	11,492
Y_2243_A		6,893.9	Cts/S	17.846	0.25886	6,893.9
Y_3600_A		203,160	Cts/S	1,069.2	0.52627	203,160

SG4747-002A

Method Name: K6010-2011 Method Revision: 832

SG4747-002A

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:27:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		949.4	ug/L	1.656	0.1745	8,468
Al3961_R	W	77,300	ug/L	360.5	0.4664	17,090
As1891_A		1,004	ug/L	0.01128	0.001123	141.5
Au2427_A		-0.8620	ug/L	4.356	505.3	36.64
B_2089_A		1,111	ug/L	2.752	0.2478	511.2
Ba4554_R		1,497	ug/L	0.6141	0.04101	20,760
Be3130_R		954.8	ug/L	2.910	0.3048	27,930
Ca3158_R		24,480	ug/L	36.62	0.1496	8,883
Cd2265_A		997.4	ug/L	4.199	0.4210	6,353
Co2286_A		991.8	ug/L	3.897	0.3929	1,639
Cr2677_A	W	2,114	ug/L	2.503	0.1184	14,730
Cu3273_A	W	3,701	ug/L	5.355	0.1447	24,660
Fe2599_R	W	120,100	ug/L	308.9	0.2572	65,200
K_7664_R		32,110	ug/L	173.4	0.5400	6,806
Li6707_R		1,080	ug/L	6.482	0.6003	3,516
Mg2025_A		37,120	ug/L	87.73	0.2364	3,174
Mn2576_R		1,909	ug/L	2.752	0.1441	5,308
Mo2020_A		1,013	ug/L	0.2983	0.02946	944.4
Na5895_R		31,350	ug/L	24.18	0.07714	16,840
Ni2316_A		1,271	ug/L	5.460	0.4295	1,125
Pb2203_A	W	3,039	ug/L	3.071	0.1011	1,438
Sb2068_A		958.6	ug/L	4.837	0.5046	158.6
Se1960_A		962.6	ug/L	2.601	0.2702	86.36
Si2516_R		2,154	ug/L	15.17	0.7043	305.8
Sn1899_A		241.5	ug/L	2.232	0.9242	55.85
Sr4215_R		1,144	ug/L	1.747	0.1527	19,460
Ti3349_A	W	3,864	ug/L	10.75	0.2781	47,400
Tl1908_A		969.3	ug/L	1.538	0.1586	215.7
V_2924_A		1,152	ug/L	2.549	0.2213	7,565
Zn2062_A	W	5,618	ug/L	19.42	0.3456	8,494
Y_3600_R		11,690	Cts/S	119.44	1.0217	11,690
Y_2243_A		6,838.8	Cts/S	11.118	0.16257	6,838.8
Y_3600_A		201,760	Cts/S	352.94	0.17494	201,760

PBWGG16ICW1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:31:41PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5894	ug/L	0.05438	9.227	-15.18
Al3961_R		7.651	ug/L	18.31	239.3	-1.918
As1891_A		1.778	ug/L	1.261	70.94	-1.222
Au2427_A		-0.8868	ug/L	0.7396	83.41	-4.609
B_2089_A		2.655	ug/L	0.3982	15.00	4.676
Ba4554_R		0.5328	ug/L	0.2422	45.46	17.96
Be3130_R		-0.03215	ug/L	0.01839	57.21	-14.33
Ca3158_R	F	135.3	ug/L	3.404	2.515	88.65
Cd2265_A		0.05062	ug/L	0.02611	51.58	-0.5159
Co2286_A		-0.08006	ug/L	0.1189	148.5	5.989
Cr2677_A		0.3708	ug/L	0.07810	21.06	9.463
Cu3273_A		0.8732	ug/L	0.5346	61.23	12.49
Fe2599_R		17.39	ug/L	1.249	7.180	24.88
K_7664_R		26.95	ug/L	15.57	57.79	-101.9
Li6707_R		-0.3752	ug/L	0.6317	168.4	-2.818
Mg2025_A		43.87	ug/L	0.2340	0.5334	7.791
Mn2576_R		0.04548	ug/L	0.4565	1,004	0.5000
Mo2020_A		1.484	ug/L	0.3332	22.46	3.360

PBWGG16ICW1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:31:41PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		61.34	ug/L	6.486	10.57	4.582
Ni2316_A		0.6645	ug/L	0.03867	5.819	1.005
Pb2203_A		-1.314	ug/L	0.4022	30.61	-0.4710
Sb2068_A		1.048	ug/L	0.8287	79.05	1.521
Se1960_A		1.974	ug/L	0.5315	26.93	1.199
Si2516_R		22.83	ug/L	9.330	40.86	14.22
Sn1899_A		-0.5271	ug/L	0.3362	63.79	0.04875
Sr4215_R		0.3075	ug/L	0.07545	24.53	-12.26
Ti3349_A		0.7472	ug/L	0.3838	51.37	-0.2005
Tl1908_A		0.4216	ug/L	1.272	301.7	0.6327
V_2924_A		0.003044	ug/L	0.1119	3,674	-3.701
Zn2062_A		3.802	ug/L	0.08472	2.228	12.72
Y_3600_R		11,408	Cts/S	8.6179	0.075540	11,408
Y_2243_A		6,956.5	Cts/S	9.4371	0.13566	6,956.5
Y_3600_A		204,280	Cts/S	993.01	0.48611	204,280

LCSWGG16ICW1

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:36:13PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.33	ug/L	0.2400	0.4677	925.3
Al3961_R		2,033	ug/L	15.18	0.7467	885.6
As1891_A		101.5	ug/L	0.6511	0.6416	27.73
Au2427_A		0.6213	ug/L	0.1336	21.51	-1.112
B_2089_A		510.7	ug/L	1.583	0.3101	466.7
Ba4554_R		2,082	ug/L	17.60	0.8453	56,800
Be3130_R		51.64	ug/L	0.2376	0.4602	2,961
Ca3158_R		2,663	ug/L	18.64	0.6999	1,897
Cd2265_A		254.6	ug/L	0.4626	0.1817	3,238
Co2286_A		530.1	ug/L	0.9800	0.1849	1,745
Cr2677_A		206.9	ug/L	0.2217	0.1072	2,899
Cu3273_A		260.9	ug/L	0.8817	0.3380	3,484
Fe2599_R		1,025	ug/L	5.960	0.5812	1,102
K_7664_R		10,160	ug/L	83.69	0.8234	4,199
Li6707_R		501.7	ug/L	4.453	0.8876	3,216
Mg2025_A		5,182	ug/L	8.042	0.1552	903.6
Mn2576_R		514.0	ug/L	1.935	0.3764	2,811
Mo2020_A		307.1	ug/L	1.917	0.6243	575.0
Na5895_R		7,702	ug/L	21.33	0.2769	8,110
Ni2316_A		531.0	ug/L	1.655	0.3116	947.2
Pb2203_A		103.7	ug/L	0.4690	0.4521	99.01
Sb2068_A		103.5	ug/L	0.7420	0.7168	33.26
Se1960_A		99.86	ug/L	0.09621	0.09634	18.60
Si2516_R		4,788	ug/L	44.94	0.9387	1,307
Sn1899_A		512.3	ug/L	3.071	0.5994	236.9
Sr4215_R		507.6	ug/L	3.661	0.7212	17,000
Ti3349_A		489.0	ug/L	2.753	0.5630	12,030
Tl1908_A		104.9	ug/L	0.2058	0.1961	47.20
V_2924_A		502.1	ug/L	0.9253	0.1843	6,677
Zn2062_A		520.5	ug/L	0.7631	0.1466	1,580
Y_3600_R		11,506	Cts/S	36.344	0.31588	11,506
Y_2243_A		6,864.0	Cts/S	13.115	0.19107	6,864.0
Y_3600_A		202,530	Cts/S	667.94	0.32980	202,530

SG4931-002T

Method Name: K6010-2011 Method Revision: 832

SG4931-002T

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:40:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.04467	ug/L	0.3538	792.1	-25.20
Al3961_R		39.96	ug/L	2.615	6.544	12.06
As1891_A		1.796	ug/L	0.2446	13.62	-1.145
Au2427_A		0.2291	ug/L	0.5411	236.2	-3.687
B_2089_A		8.989	ug/L	0.5114	5.689	9.740
Ba4554_R		23.71	ug/L	0.4963	2.094	647.2
Be3130_R		0.008607	ug/L	0.03425	397.9	-12.01
Ca3158_R		20,260	ug/L	321.4	1.587	14,410
Cd2265_A		13.56	ug/L	0.06022	0.4440	163.2
Co2286_A		4.976	ug/L	0.08646	1.738	21.40
Cr2677_A		0.5251	ug/L	0.1284	24.45	11.79
Cu3273_A		114.6	ug/L	2.019	1.762	1,441
Fe2599_R		19.02	ug/L	2.882	15.16	26.70
K_7664_R		852.1	ug/L	51.69	6.066	246.1
Li6707_R		5.536	ug/L	0.2746	4.959	34.90
Mg2025_A	W	32,280	ug/L	148.4	0.4597	5,246
Mn2576_R		677.8	ug/L	10.61	1.566	3,689
Mo2020_A		0.7023	ug/L	0.09581	13.64	1.767
Na5895_R	F	250,100	ug/L	468.5	0.1873	264,000
Ni2316_A		6.592	ug/L	0.3567	5.412	11.02
Pb2203_A		51.68	ug/L	0.4696	0.9087	47.63
Sb2068_A		2.455	ug/L	0.2225	9.064	1.818
Se1960_A		-0.1371	ug/L	0.6212	453.1	0.8585
Si2516_R		1,694	ug/L	19.02	1.123	465.2
Sn1899_A		0.07285	ug/L	1.853	2,544	0.3086
Sr4215_R		57.64	ug/L	1.304	2.261	1,901
Ti3349_A		0.9123	ug/L	0.3191	34.98	3.563
Tl1908_A		0.08082	ug/L	0.1886	233.3	-0.04644
V_2924_A		1.406	ug/L	0.7263	51.65	-7.049
Zn2062_A	W	1,925	ug/L	5.064	0.2630	5,571
Y_3600_R		11,453	Cts/S	59.647	0.52082	11,453
Y_2243_A		6,541.4	Cts/S	22.161	0.33878	6,541.4
Y_3600_A		189,750	Cts/S	1,603.4	0.84498	189,750

SG4979-001

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:45:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4967	ug/L	0.1595	32.11	-71.17
Al3961_R		262.4	ug/L	11.77	4.486	109.4
As1891_A		11.70	ug/L	1.294	11.06	1.348
Au2427_A		15.91	ug/L	0.6973	4.383	12.13
B_2089_A		36.52	ug/L	0.3734	1.023	35.58
Ba4554_R		69.06	ug/L	0.01831	0.02651	1,861
Be3130_R		0.01501	ug/L	0.07115	474.1	-13.62
Ca3158_R	W	92,890	ug/L	176.5	0.1900	65,480
Cd2265_A		0.03936	ug/L	0.01333	33.86	5.065
Co2286_A		4.016	ug/L	0.02816	0.7010	18.93
Cr2677_A		10.29	ug/L	0.3982	3.871	148.9
Cu3273_A		3.106	ug/L	0.009498	0.3058	34.84
Fe2599_R		10,620	ug/L	10.61	0.09992	11,200
K_7664_R		5,190	ug/L	83.82	1.615	2,059
Li6707_R		8.962	ug/L	2.363	26.36	56.25
Mg2025_A		8,748	ug/L	18.20	0.2080	1,389
Mn2576_R	W	10,300	ug/L	5.298	0.05144	55,540
Mo2020_A		105.0	ug/L	0.6029	0.5744	183.3

SG4979-001

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:45:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	343,400	ug/L	7,051	2.053	359,200
Ni2316_A		7.437	ug/L	0.4134	5.558	11.51
Pb2203_A		4.972	ug/L	0.9007	18.12	5.296
Sb2068_A		-0.7993	ug/L	5.025	628.7	0.9036
Se1960_A		-0.5857	ug/L	1.636	279.2	2.042
Si2516_R		9,866	ug/L	18.90	0.1915	2,645
Sn1899_A		1.044	ug/L	0.5926	56.79	0.7199
Sr4215_R		358.1	ug/L	0.1679	0.04689	11,820
Ti3349_A		93.40	ug/L	0.03007	0.03220	2,068
Tl1908_A		2.489	ug/L	1.464	58.84	-5.954
V_2924_A		71.09	ug/L	0.2846	0.4003	537.5
Zn2062_A		4.261	ug/L	0.09523	2.235	12.95
Y_3600_R		11,345	Cts/S	37.664	0.33197	11,345
Y_2243_A		6,387.6	Cts/S	0.56229	0.0088028	6,387.6
Y_3600_A		183,450	Cts/S	733.25	0.39970	183,450

CCV

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:49:46PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		484.2	ug/L	3.186	0.6580	8,770
Al3961_R		12,120	ug/L	7.952	0.06559	5,209
As1891_A		488.4	ug/L	1.387	0.2839	136.5
Au2427_A		490.5	ug/L	1.343	0.2738	1,586
B_2089_A		490.4	ug/L	0.9767	0.1992	446.3
Ba4554_R		501.7	ug/L	0.7118	0.1419	13,500
Be3130_R		497.2	ug/L	0.7572	0.1523	28,300
Ca3158_R		12,630	ug/L	66.75	0.5285	8,900
Cd2265_A		497.9	ug/L	0.3276	0.06579	6,211
Co2286_A		501.6	ug/L	1.078	0.2150	1,619
Cr2677_A		497.2	ug/L	1.881	0.3783	6,809
Cu3273_A		496.0	ug/L	2.797	0.5639	6,496
Fe2599_R		12,490	ug/L	27.47	0.2200	13,170
K_7664_R		12,170	ug/L	14.56	0.1196	4,982
Li6707_R		499.3	ug/L	1.341	0.2686	3,157
Mg2025_A		12,470	ug/L	6.888	0.05523	2,104
Mn2576_R		499.6	ug/L	0.3489	0.06983	2,696
Mo2020_A		504.7	ug/L	0.5669	0.1123	926.1
Na5895_R		11,990	ug/L	47.26	0.3941	12,490
Ni2316_A		505.5	ug/L	0.04505	0.008912	883.3
Pb2203_A		500.2	ug/L	0.7055	0.1410	465.7
Sb2068_A		493.0	ug/L	0.08571	0.01739	156.6
Se1960_A		487.2	ug/L	3.848	0.7898	85.58
Si2516_R		12,620	ug/L	98.62	0.7817	3,382
Sn1899_A		495.9	ug/L	0.2578	0.05199	224.7
Sr4215_R		500.4	ug/L	1.627	0.3251	16,530
Ti3349_A		483.1	ug/L	0.6797	0.1407	11,630
Tl1908_A		501.3	ug/L	0.8034	0.1603	220.7
V_2924_A		485.4	ug/L	1.193	0.2458	6,273
Zn2062_A		495.9	ug/L	0.3392	0.06839	1,475
Y_3600_R		11,349	Cts/S	66.784	0.58845	11,349
Y_2243_A		6,727.4	Cts/S	11.704	0.17397	6,727.4
Y_3600_A		198,140	Cts/S	1,609.8	0.81244	198,140

CCB

Method Name: K6010-2011 Method Revision: 832

CCB

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:54:06PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5593	ug/L	0.08117	14.51	-15.67
Al3961_R		-5.613	ug/L	7.387	131.6	-7.597
As1891_A		3.039	ug/L	0.01615	0.5313	-0.8398
Au2427_A		0.4237	ug/L	0.9038	213.3	-0.2510
B_2089_A		2.055	ug/L	0.09633	4.687	4.064
Ba4554_R		-0.2769	ug/L	0.3060	110.5	-3.915
Be3130_R		-0.01824	ug/L	0.01559	85.46	-13.43
Ca3158_R		2.179	ug/L	3.859	177.1	-5.705
Cd2265_A		-0.05345	ug/L	0.04591	85.88	-1.840
Co2286_A		0.1510	ug/L	0.01384	9.165	6.653
Cr2677_A		0.01215	ug/L	0.02384	196.2	4.410
Cu3273_A		0.04454	ug/L	0.5683	1,276	1.264
Fe2599_R		-0.8262	ug/L	1.521	184.1	5.540
K_7664_R		91.69	ug/L	28.26	30.82	-74.20
Li6707_R		-1.865	ug/L	3.353	179.8	-12.19
Mg2025_A		-1.231	ug/L	1.303	105.8	0.002098
Mn2576_R		0.09825	ug/L	0.1228	125.0	0.7813
Mo2020_A		1.178	ug/L	0.08387	7.118	2.739
Na5895_R		9.931	ug/L	10.05	101.2	-49.16
Ni2316_A		-0.07059	ug/L	0.07016	99.39	-0.3181
Pb2203_A		-0.3327	ug/L	0.1447	43.50	0.4707
Sb2068_A		-0.3062	ug/L	0.5407	176.6	1.061
Se1960_A		1.260	ug/L	1.821	144.5	1.055
Si2516_R		36.78	ug/L	13.86	37.68	17.84
Sn1899_A		-0.2367	ug/L	0.6966	294.3	0.1824
Sr4215_R		-0.3313	ug/L	0.08733	26.36	-33.28
Ti3349_A		0.7290	ug/L	0.3687	50.58	-0.6781
Tl1908_A		0.8933	ug/L	1.052	117.8	0.8343
V_2924_A		0.5894	ug/L	0.02383	4.043	4.305
Zn2062_A		0.1126	ug/L	0.04758	42.27	1.353
Y_3600_R		11,333	Cts/S	20.374	0.17977	11,333
Y_2243_A		6,851.9	Cts/S	18.654	0.27224	6,851.9
Y_3600_A		204,720	Cts/S	135.77	0.066319	204,720

SG4979-002

Method Name: K6010-2011 Method Revision: 832
Analyst Name: NAT
Acquire Date: 7/16/2013 4:58:38PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2883	ug/L	0.4509	156.4	-27.62
Al3961_R		98.46	ug/L	1.823	1.852	37.34
As1891_A		1.892	ug/L	0.3920	20.72	-1.107
Au2427_A		6.747	ug/L	0.2045	3.031	2.174
B_2089_A		12.93	ug/L	0.01831	0.1416	13.38
Ba4554_R		97.12	ug/L	0.4157	0.4280	2,604
Be3130_R		0.06362	ug/L	0.007651	12.03	-8.530
Ca3158_R	W	89,010	ug/L	263.6	0.2961	62,450
Cd2265_A		0.02801	ug/L	0.03892	138.9	0.1746
Co2286_A		18.99	ug/L	0.2059	1.084	62.85
Cr2677_A		2.460	ug/L	0.7105	28.88	40.71
Cu3273_A		6.792	ug/L	0.3689	5.432	82.02
Fe2599_R		1,786	ug/L	15.86	0.8875	1,880
K_7664_R		5,628	ug/L	4.019	0.07141	2,232
Li6707_R		17.61	ug/L	0.7721	4.384	110.3
Mg2025_A		8,702	ug/L	15.72	0.1806	1,365
Mn2576_R	W	4,419	ug/L	26.85	0.6075	23,720
Mo2020_A		25.37	ug/L	0.5508	2.171	44.13

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Thermo ICAP 6500 **ANALYST:** NT **ANALYSIS DATE:** 7/17/13

FILE NAME: IG617A

REVIEWED
ca 07-19-13
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal Blk, ICB, CCB	MW14314	7/9/13	7/9/14	0 mg/L
Cal Std	MW14300	7/8/13	10/3/13	varies by element
ICV	MW14315	7/10/13	10/10/13	
PQL	MW14305	7/8/13	10/3/13	
ICSA	MW14289	6/26/13	9/26/13	
ICSAB	MW14262	6/5/13	9/5/13	
CCV	MW14304	7/8/13	10/3/13	
internal Std	MW14318	7/15/13	10/15/13	5 mg/L y

Additional Comments and Notes:

NT 7/19/13

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG17A	7/17/2013	15:41	NAT
Std 1	1.000	IGG17A	7/17/2013	15:46	NAT
ICV	1.000	IGG17A	7/17/2013	15:50	NAT
ICB	1.000	IGG17A	7/17/2013	15:55	NAT
PQL	1.000	IGG17A	7/17/2013	15:59	NAT
ICSA	1.000	IGG17A	7/17/2013	16:04	NAT
ICSAB	1.000	IGG17A	7/17/2013	16:08	NAT
CCV	1.000	IGG17A	7/17/2013	16:13	NAT
CCB	1.000	IGG17A	7/17/2013	16:17	NAT
SG4562-020S	2.000	IGG17A	7/17/2013	16:22	NAT
SG4562-020A	2.000	IGG17A	7/17/2013	16:26	NAT
SG4562-022	1.000	IGG17A	7/17/2013	16:30	NAT
SG4834-001R	1.000	IGG17A	7/17/2013	16:35	NAT
LC2OGG16ICS1	1.000	IGG17A	7/17/2013	16:39	NAT
LCSOGG16ICS1	1.000	IGG17A	7/17/2013	16:44	NAT
PBSGG16ICS1	1.000	IGG17A	7/17/2013	16:48	NAT
SG4923-001	1.000	IGG17A	7/17/2013	16:53	NAT
SG4959-001	1.000	IGG17A	7/17/2013	16:57	NAT
SG4986-002	1.000	IGG17A	7/17/2013	17:02	NAT
CCV	1.000	IGG17A	7/17/2013	17:06	NAT
CCB	1.000	IGG17A	7/17/2013	17:11	NAT
SG4979-001	2.000	IGG17A	7/17/2013	17:15	NAT
SG4979-002	5.000	IGG17A	7/17/2013	17:20	NAT
PBWGG17ICW1	1.000	IGG17A	7/17/2013	17:24	NAT
LCSWGG17ICW1	1.000	IGG17A	7/17/2013	17:29	NAT
200.7 LOD	1.000	IGG17A	7/17/2013	17:33	NAT
200.7 LOQ	1.000	IGG17A	7/17/2013	17:38	NAT
SG4687-004	1.000	IGG17A	7/17/2013	17:42	NAT
SG5005-001	1.000	IGG17A	7/17/2013	17:46	NAT
SG5005-001L	5.000	IGG17A	7/17/2013	17:51	NAT
SG5005-001S	1.000	IGG17A	7/17/2013	17:56	NAT
CCV	1.000	IGG17A	7/17/2013	18:00	NAT
CCB	1.000	IGG17A	7/17/2013	18:04	NAT
SG5005-001P	1.000	IGG17A	7/17/2013	18:09	NAT
SG5015-001	1.000	IGG17A	7/17/2013	18:13	NAT
SG5015-002	1.000	IGG17A	7/17/2013	18:18	NAT
PBWGG17ICW2	1.000	IGG17A	7/17/2013	18:22	NAT
LCSWGG17ICW2	1.000	IGG17A	7/17/2013	18:27	NAT
SG4825-001R	1.000	IGG17A	7/17/2013	18:31	NAT
SG5001-001	5.000	IGG17A	7/17/2013	18:36	NAT
SG5016-001	1.000	IGG17A	7/17/2013	18:40	NAT
SG5016-002	1.000	IGG17A	7/17/2013	18:45	NAT
SG5016-003	1.000	IGG17A	7/17/2013	18:49	NAT
CCV	1.000	IGG17A	7/17/2013	18:54	NAT

Katahdin Analytical Services 4000447

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCB	1.000	IGG17A	7/17/2013	18:58	NAT
SG5016-004	1.000	IGG17A	7/17/2013	19:03	NAT
SG5016-005	1.000	IGG17A	7/17/2013	19:07	NAT
SG5016-005L	5.000	IGG17A	7/17/2013	19:12	NAT
SG5016-005S	1.000	IGG17A	7/17/2013	19:16	NAT
SG5016-005P	1.000	IGG17A	7/17/2013	19:21	NAT
SG5016-006	1.000	IGG17A	7/17/2013	19:25	NAT
SG5016-007	1.000	IGG17A	7/17/2013	19:30	NAT
SG5016-008	1.000	IGG17A	7/17/2013	19:34	NAT
SG5016-009	1.000	IGG17A	7/17/2013	19:39	NAT
SG5020-001	1.000	IGG17A	7/17/2013	19:43	NAT
CCV	1.000	IGG17A	7/17/2013	19:48	NAT
CCB	1.000	IGG17A	7/17/2013	19:52	NAT
SG5020-002	1.000	IGG17A	7/17/2013	19:57	NAT
SG5020-003	1.000	IGG17A	7/17/2013	20:01	NAT
SG5020-004	1.000	IGG17A	7/17/2013	20:06	NAT
SG5020-005	1.000	IGG17A	7/17/2013	20:10	NAT
SG5020-006	1.000	IGG17A	7/17/2013	20:15	NAT
SG5020-007	1.000	IGG17A	7/17/2013	20:19	NAT
PBSGG17ICS1	1.000	IGG17A	7/17/2013	20:24	NAT
LCSOGG17ICS1	1.000	IGG17A	7/17/2013	20:28	NAT
LC2OGG17ICS1	1.000	IGG17A	7/17/2013	20:33	NAT
3050 LOD	1.000	IGG17A	7/17/2013	20:37	NAT
CCV	1.000	IGG17A	7/17/2013	20:42	NAT
CCB	1.000	IGG17A	7/17/2013	20:46	NAT
3050 LOQ	1.000	IGG17A	7/17/2013	20:51	NAT
SG4875-001	1.000	IGG17A	7/17/2013	20:55	NAT
SG4875-002	1.000	IGG17A	7/17/2013	21:00	NAT
SG4875-003	1.000	IGG17A	7/17/2013	21:04	NAT
SG4875-004	1.000	IGG17A	7/17/2013	21:09	NAT
SG4875-005	1.000	IGG17A	7/17/2013	21:13	NAT
SG4875-006	1.000	IGG17A	7/17/2013	21:18	NAT
SG4875-007	1.000	IGG17A	7/17/2013	21:22	NAT
SG4875-008	1.000	IGG17A	7/17/2013	21:27	NAT
SG4875-009	1.000	IGG17A	7/17/2013	21:31	NAT
CCV	1.000	IGG17A	7/17/2013	21:36	NAT
CCB	1.000	IGG17A	7/17/2013	21:40	NAT
SG4875-009L	5.000	IGG17A	7/17/2013	21:44	NAT
SG4875-009A	1.000	IGG17A	7/17/2013	21:49	NAT

Intensity Report

Author:

Published: 7/18/2013 7:54:49AM

Notes:

Blank

Method Name: K6010-2011+Bi

Method Revision: 17

Analyst Name: NAT

Acquire Date: 7/17/2013 3:41:55PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.0001194	Cts/S	0.00002679	22.44	-22.91
Al3961_R		-0.001542	Cts/S	0.0007498	48.63	-13.27
As1891_A		-0.0001487	Cts/S	0.00003165	21.28	-1.090
Au2427_A		-0.0002832	Cts/S	0.0002175	76.80	-2.074
B_2089_A		0.0004557	Cts/S	0.00004106	9.010	3.339
Ba4554_R		0.005125	Cts/S	0.0002123	4.142	44.31
Be3130_R		-0.0002367	Cts/S	0.0004394	185.6	-2.083
Ca3158_R		-0.0005862	Cts/S	0.0004658	79.45	-5.033
Cd2265_A		-0.0001332	Cts/S	0.0001194	89.62	-0.9765
Co2286_A		0.001339	Cts/S	0.00006391	4.775	9.809
Cr2677_A		0.00004944	Cts/S	0.000009281	18.77	9.487
Cu3273_A		0.00003938	Cts/S	0.00005754	146.1	7.581
Fe2599_R		0.0006880	Cts/S	0.0006259	90.98	6.002
K_7664_R		0.0009228	Cts/S	0.0007532	81.62	8.043
Li6707_R		0.002771	Cts/S	0.0002885	10.41	24.00
Mg2025_A		-0.00007662	Cts/S	0.00007992	104.3	-0.5610
Mn2576_R		-0.00008815	Cts/S	0.0001569	178.0	-0.7498
Mo2020_A		0.0005503	Cts/S	0.0002885	52.42	4.031
Na5895_R		-0.01723	Cts/S	0.002403	13.95	-149.2
Ni2316_A		-0.0001212	Cts/S	0.00006053	49.93	-0.8881
Pb2203_A		0.00009083	Cts/S	0.0001477	162.6	0.6663
Sb2068_A		0.0001312	Cts/S	0.00007887	60.11	0.9618
Se1960_A		-0.0001257	Cts/S	0.00001745	13.88	-0.9209
Si2516_R		0.0008892	Cts/S	0.0002827	31.79	7.669
Sn1899_A		0.00003070	Cts/S	0.00001113	36.26	0.2249
Sr4215_R		-0.004750	Cts/S	0.001350	28.42	-40.98
Ti3349_A		-0.00001874	Cts/S	0.00005406	288.5	-3.621
Tl1908_A		0.00004312	Cts/S	0.00001151	26.70	0.3160
V_2924_A		0.000007265	Cts/S	0.00001498	206.2	-1.401
Zn2062_A		0.0002491	Cts/S	0.00005455	21.90	1.825
Bi2230_A		0.0008856	Cts/S	0.000003766	0.4253	6.489
Y_3600_R		8,649.7	Cts/S	161.65	1.8689	8,649.7
Y_2243_A		7,327.5	Cts/S	9.6034	0.13106	7,327.5
Y_3600_A		191,820	Cts/S	968.29	0.50480	191,820

Std 1

Method Name: K6010-2011+Bi

Method Revision: 17

Analyst Name: NAT

Acquire Date: 7/17/2013 3:46:24PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1053	Cts/S	0.002411	2.289	19,690
Al3961_R		0.9059	Cts/S	0.01356	1.497	7,933
As1891_A		0.04012	Cts/S	0.0003307	0.8243	286.8
Au2427_A		0.4847	Cts/S	0.0008159	0.1683	3,465
B_2089_A		0.1293	Cts/S	0.0006599	0.5102	924.5
Ba4554_R		2.367	Cts/S	0.01669	0.7052	20,730
Be3130_R		4.832	Cts/S	0.09701	2.007	42,320
Ca3158_R		1.847	Cts/S	0.01634	0.8847	16,170
Cd2265_A		2.064	Cts/S	0.007631	0.3697	14,750
Co2286_A		0.4770	Cts/S	0.002294	0.4810	3,409
Cr2677_A		0.07499	Cts/S	0.001656	2.208	14,020
Cu3273_A		0.06676	Cts/S	0.001331	1.994	12,480

Std 1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 3:46:24PM
Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Fe2599_R		2.398	Cts/S	0.04802	2.003	21,000
K_7664_R		0.9967	Cts/S	0.01345	1.350	8,728
Li6707_R		0.6519	Cts/S	0.004577	0.7021	5,709
Mg2025_A		0.6115	Cts/S	0.002203	0.3603	4,371
Mn2576_R		0.5305	Cts/S	0.008198	1.545	4,646
Mo2020_A		0.2756	Cts/S	0.002291	0.8312	1,970
Na5895_R		2.481	Cts/S	0.008463	0.3411	21,720
Ni2316_A		0.2790	Cts/S	0.001127	0.4039	1,995
Pb2203_A		0.1551	Cts/S	0.0004197	0.2707	1,108
Sb2068_A		0.04359	Cts/S	0.0002263	0.5192	311.6
Se1960_A		0.02646	Cts/S	0.0002224	0.8406	189.1
Si2516_R		0.6866	Cts/S	0.01238	1.802	6,013
Sn1899_A		0.07546	Cts/S	0.0001689	0.2239	539.3
Sr4215_R		3.347	Cts/S	0.03048	0.9106	29,310
Ti3349_A		0.1353	Cts/S	0.003229	2.386	25,300
Tl1908_A		0.06587	Cts/S	0.0002868	0.4354	470.8
V_2924_A		0.07015	Cts/S	0.001767	2.519	13,110
Zn2062_A		0.4730	Cts/S	0.001912	0.4042	3,381
Bi2230_A		0.06067	Cts/S	0.0002861	0.4716	433.6
Y_3600_R		8,757.0	Cts/S	1.1073	0.012645	8,757.0
Y_2243_A		7,147.8	Cts/S	6.9713	0.097530	7,147.8
Y_3600_A		187,000	Cts/S	3,865.3	2.0671	187,000

ICV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 3:50:44PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		406.8	ug/L	0.1192	0.02931	8,100
Al3961_R		9,923	ug/L	54.89	0.5532	3,130
As1891_A		393.0	ug/L	1.166	0.2967	114.9
Au2427_A		387.2	ug/L	1.728	0.4463	1,375
B_2089_A		401.5	ug/L	1.012	0.2521	382.7
Ba4554_R		412.4	ug/L	1.462	0.3545	8,546
Be3130_R		412.5	ug/L	1.155	0.2799	17,390
Ca3158_R		10,240	ug/L	64.78	0.6327	6,598
Cd2265_A		402.5	ug/L	0.2984	0.07415	6,089
Co2286_A		407.8	ug/L	0.7003	0.1717	1,431
Cr2677_A		405.6	ug/L	0.3816	0.09410	5,765
Cu3273_A		407.8	ug/L	0.7548	0.1851	5,161
Fe2599_R		10,010	ug/L	12.76	0.1276	8,377
K_7664_R		13,590	ug/L	3.807	0.02802	4,731
Li6707_R		407.8	ug/L	0.1067	0.02615	2,335
Mg2025_A		9,961	ug/L	13.19	0.1324	1,786
Mn2576_R		412.1	ug/L	0.7557	0.1834	1,907
Mo2020_A		404.4	ug/L	0.4342	0.1074	819.3
Na5895_R		9,949	ug/L	62.92	0.6325	8,525
Ni2316_A		408.0	ug/L	0.6515	0.1597	834.0
Pb2203_A		401.6	ug/L	1.362	0.3392	456.9
Sb2068_A		396.7	ug/L	0.5239	0.1321	127.3
Se1960_A		395.3	ug/L	1.694	0.4286	76.10
Si2516_R		9,606	ug/L	30.36	0.3161	2,307
Sn1899_A		394.8	ug/L	0.6853	0.1736	218.5
Sr4215_R		405.6	ug/L	1.478	0.3643	11,820
Ti3349_A		402.8	ug/L	0.8441	0.2096	10,320
Tl1908_A		407.9	ug/L	1.750	0.4291	197.1
V_2924_A		407.3	ug/L	1.178	0.2893	5,410

ICV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 3:50:44PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Zn2062_A		396.6	ug/L	1.010	0.2545	1,376
Bi2230_A		404.7	ug/L	0.02893	0.007149	183.8
Y_3600_R		8,727.2	Cts/S	29.682	0.34011	8,727.2
Y_2243_A		7,329.8	Cts/S	0.47700	0.0065077	7,329.8
Y_3600_A		189,360	Cts/S	368.59	0.19465	189,360

ICB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 3:55:06PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1177	ug/L	0.4457	378.6	-25.52
Al3961_R		20.23	ug/L	5.613	27.74	-7.067
As1891_A		-0.8111	ug/L	0.6520	80.38	-1.328
Au2427_A		0.6621	ug/L	1.100	166.2	0.2614
B_2089_A		1.349	ug/L	0.1140	8.454	4.574
Ba4554_R		0.3915	ug/L	0.4639	118.5	53.03
Be3130_R		-0.05249	ug/L	0.1754	334.1	-4.336
Ca3158_R		0.7464	ug/L	2.456	329.0	-4.644
Cd2265_A		0.02405	ug/L	0.03451	143.5	-0.6006
Co2286_A		-0.3770	ug/L	0.3136	83.18	8.493
Cr2677_A		0.1294	ug/L	0.3756	290.2	11.40
Cu3273_A		0.7188	ug/L	0.6308	87.76	16.86
Fe2599_R		16.35	ug/L	0.4642	2.838	19.76
K_7664_R		7.765	ug/L	13.45	173.2	10.77
Li6707_R		-1.539	ug/L	1.083	70.35	15.55
Mg2025_A		-0.08556	ug/L	2.496	2,917	-0.5886
Mn2576_R		0.1010	ug/L	1.103	1,092	-0.2764
Mo2020_A		0.3391	ug/L	0.3697	109.0	4.713
Na5895_R		-16.86	ug/L	21.73	128.9	-165.6
Ni2316_A		0.6799	ug/L	0.3315	48.75	0.5006
Pb2203_A		0.2458	ug/L	0.7754	315.5	0.9434
Sb2068_A		0.5660	ug/L	1.086	191.8	1.139
Se1960_A		1.573	ug/L	1.345	85.47	-0.6136
Si2516_R		6.508	ug/L	7.382	113.4	9.360
Sn1899_A		0.3806	ug/L	0.08541	22.44	0.4349
Sr4215_R		-0.02838	ug/L	0.2182	768.7	-42.47
Ti3349_A		-0.01323	ug/L	0.1123	849.2	-3.960
Tl1908_A		0.05071	ug/L	0.6928	1,366	0.3403
V_2924_A		-0.2528	ug/L	0.1556	61.57	-4.909
Zn2062_A	W	17.25	ug/L	0.02034	0.1179	61.59
Bi2230_A		1.545	ug/L	0.3858	24.97	7.158
Y_3600_R		8,758.3	Cts/S	86.915	0.99238	8,758.3
Y_2243_A		7,321.3	Cts/S	21.301	0.29095	7,321.3
Y_3600_A		192,900	Cts/S	605.61	0.31395	192,900

PQL

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 3:59:38PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.95	ug/L	0.03191	0.2915	204.0
Al3961_R		309.0	ug/L	7.997	2.588	86.27
As1891_A		8.300	ug/L	0.6302	7.592	1.378
Au2427_A		99.59	ug/L	1.720	1.727	350.8
B_2089_A		51.75	ug/L	0.3325	0.6424	51.28
Ba4554_R		5.137	ug/L	0.1616	3.146	154.0

PQL

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 3:59:38PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Be3130_R		5.134	ug/L	0.03066	0.5971	219.0
Ca3158_R		110.9	ug/L	13.95	12.58	67.83
Cd2265_A		5.281	ug/L	0.02295	0.4346	79.76
Co2286_A		10.30	ug/L	0.3198	3.104	46.25
Cr2677_A		10.49	ug/L	0.1377	1.312	164.2
Cu3273_A		27.26	ug/L	0.6298	2.310	365.6
Fe2599_R		104.4	ug/L	0.6313	0.6046	95.45
K_7664_R		990.6	ug/L	7.667	0.7740	360.2
Li6707_R		103.4	ug/L	1.189	1.150	623.8
Mg2025_A		111.7	ug/L	0.6333	0.5669	19.91
Mn2576_R		4.988	ug/L	0.08148	1.634	22.83
Mo2020_A		8.841	ug/L	0.2730	3.088	22.09
Na5895_R		1,085	ug/L	0.7210	0.06645	813.6
Ni2316_A		11.44	ug/L	0.2918	2.551	22.77
Pb2203_A		5.064	ug/L	0.1253	2.475	6.444
Sb2068_A	W	10.01	ug/L	0.3643	3.641	3.901
Se1960_A	F	5.863	ug/L	0.3238	5.523	0.2225
Si2516_R		216.4	ug/L	7.429	3.433	60.91
Sn1899_A		103.4	ug/L	0.02574	0.02489	58.02
Sr4215_R		10.14	ug/L	0.2886	2.845	261.0
Ti3349_A		14.91	ug/L	0.006481	0.04347	392.7
Tl1908_A		15.52	ug/L	1.928	12.42	7.901
V_2924_A		10.26	ug/L	0.6220	6.061	140.2
Zn2062_A		22.25	ug/L	0.1007	0.4525	79.83
Bi2230_A		106.0	ug/L	0.8305	0.7833	53.38
Y_3600_R		8,922.5	Cts/S	72.705	0.81485	8,922.5
Y_2243_A		7,408.7	Cts/S	3.6283	0.048973	7,408.7
Y_3600_A		196,490	Cts/S	732.53	0.37280	196,490

ICSA

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:04:09PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.316	ug/L	0.6716	51.02	-713.5
Al3961_R		497,700	ug/L	6,128	1.231	152,700
As1891_A		-0.6133	ug/L	0.3097	50.50	-10.67
Au2427_A	W	-44.76	ug/L	0.9957	2.224	86.30
B_2089_A		0.6191	ug/L	0.3118	50.36	3.390
Ba4554_R		0.5010	ug/L	0.1118	22.32	53.42
Be3130_R		-0.1768	ug/L	0.03713	21.01	-9.281
Ca3158_R		491,100	ug/L	1,961	0.3994	307,300
Cd2265_A		0.2648	ug/L	0.2590	97.78	137.0
Co2286_A		-2.018	ug/L	0.09206	4.561	6.360
Cr2677_A		0.7890	ug/L	0.6118	77.54	24.03
Cu3273_A		7.022	ug/L	1.124	16.01	68.38
Fe2599_R		188,300	ug/L	1,524	0.8095	152,900
K_7664_R		56.19	ug/L	22.86	40.69	26.76
Li6707_R		9.935	ug/L	2.090	21.03	78.08
Mg2025_A		444,500	ug/L	7,612	1.712	70,130
Mn2576_R		3.457	ug/L	0.2465	7.131	29.02
Mo2020_A		-2.438	ug/L	0.4197	17.21	-0.7794
Na5895_R		44.47	ug/L	0.04913	0.1105	-108.3
Ni2316_A		0.5244	ug/L	0.3183	60.71	-12.90
Pb2203_A		0.4473	ug/L	3.465	774.6	-63.09
Sb2068_A		0.4035	ug/L	0.9725	241.0	6.198
Se1960_A		0.3671	ug/L	0.1956	53.28	-1.897

ICSA

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:04:09PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Si2516_R		-1.658	ug/L	2.275	137.2	2.146
Sn1899_A		3.057	ug/L	0.7679	25.12	1.703
Sr4215_R		2.317	ug/L	0.4601	19.86	25.53
Ti3349_A		2.440	ug/L	0.2917	11.95	51.77
Tl1908_A		-0.4322	ug/L	0.5056	117.0	2.222
V_2924_A		1.786	ug/L	0.6461	36.18	32.93
Zn2062_A	F	81.20	ug/L	2.195	2.703	251.8
Bi2230_A		7.574	ug/L	1.322	17.46	23.23
Y_3600_R		8,467.8	Cts/S	0.68180	0.0080517	8,467.8
Y_2243_A		6,510.0	Cts/S	80.230	1.2324	6,510.0
Y_3600_A		166,370	Cts/S	147.27	0.088518	166,370

ICSAB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:08:40PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		214.9	ug/L	0.3476	0.1618	3,111
Al3961_R		491,600	ug/L	1,396	0.2839	153,300
As1891_A		99.55	ug/L	2.164	2.174	16.06
Au2427_A		465.4	ug/L	10.20	2.191	1,685
B_2089_A		501.7	ug/L	6.265	1.249	425.1
Ba4554_R		509.0	ug/L	2.548	0.5005	10,390
Be3130_R		502.5	ug/L	6.692	1.332	20,900
Ca3158_R		489,800	ug/L	837.1	0.1709	311,500
Cd2265_A		960.4	ug/L	14.17	1.476	13,070
Co2286_A		473.5	ug/L	7.240	1.529	1,484
Cr2677_A		484.7	ug/L	5.714	1.179	6,160
Cu3273_A		506.8	ug/L	5.609	1.107	5,714
Fe2599_R		186,000	ug/L	2,279	1.225	153,500
K_7664_R		21,400	ug/L	224.4	1.048	7,344
Li6707_R		533.7	ug/L	1.329	0.2491	3,005
Mg2025_A		445,200	ug/L	6,833	1.535	70,520
Mn2576_R		476.3	ug/L	1.971	0.4139	2,187
Mo2020_A		491.9	ug/L	4.622	0.9397	887.4
Na5895_R		20,920	ug/L	94.21	0.4503	17,840
Ni2316_A		938.9	ug/L	15.16	1.615	1,699
Pb2203_A		44.36	ug/L	0.1259	0.2838	-18.61
Sb2068_A		597.6	ug/L	6.744	1.129	175.4
Se1960_A		47.64	ug/L	2.990	6.277	6.347
Si2516_R		1,953	ug/L	11.75	0.6017	464.9
Sn1899_A		476.2	ug/L	6.243	1.311	234.9
Sr4215_R		501.9	ug/L	0.2339	0.04660	14,440
Ti3349_A		501.4	ug/L	7.322	1.460	11,480
Tl1908_A		86.00	ug/L	0.9321	1.084	38.81
V_2924_A		495.7	ug/L	3.343	0.6745	5,896
Zn2062_A		956.6	ug/L	12.75	1.333	2,958
Bi2230_A		497.8	ug/L	9.038	1.816	214.0
Y_3600_R		8,605.3	Cts/S	23.921	0.27798	8,605.3
Y_2243_A		6,533.7	Cts/S	72.188	1.1049	6,533.7
Y_3600_A		169,210	Cts/S	190.54	0.11261	169,210

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:13:08PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:13:08PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		508.4	ug/L	0.3735	0.07348	10,220
Al3961_R		12,410	ug/L	110.2	0.8880	4,012
As1891_A		491.6	ug/L	6.178	1.257	143.7
Au2427_A		491.8	ug/L	4.053	0.8242	1,743
B_2089_A		503.1	ug/L	4.572	0.9087	477.2
Ba4554_R		509.1	ug/L	6.303	1.238	10,790
Be3130_R		497.9	ug/L	7.442	1.495	21,500
Ca3158_R		12,900	ug/L	152.4	1.181	8,515
Cd2265_A		500.7	ug/L	3.817	0.7624	7,558
Co2286_A		503.2	ug/L	3.838	0.7628	1,760
Cr2677_A		501.8	ug/L	0.1114	0.02221	7,198
Cu3273_A		504.8	ug/L	0.3283	0.06504	6,446
Fe2599_R		12,530	ug/L	155.3	1.240	10,740
K_7664_R		12,450	ug/L	14.06	0.1130	4,440
Li6707_R		493.5	ug/L	3.496	0.7083	2,888
Mg2025_A		12,710	ug/L	106.0	0.8341	2,273
Mn2576_R		509.5	ug/L	5.189	1.018	2,415
Mo2020_A		491.6	ug/L	6.937	1.411	992.8
Na5895_R		12,510	ug/L	124.1	0.9925	11,010
Ni2316_A		507.7	ug/L	4.426	0.8718	1,036
Pb2203_A		504.6	ug/L	1.884	0.3733	572.7
Sb2068_A		498.8	ug/L	1.202	0.2409	159.5
Se1960_A		497.1	ug/L	11.26	2.265	95.73
Si2516_R		12,170	ug/L	146.4	1.203	2,990
Sn1899_A		495.0	ug/L	3.104	0.6270	273.3
Sr4215_R		495.4	ug/L	5.859	1.183	14,790
Ti3349_A		496.8	ug/L	0.9954	0.2004	12,850
Tl1908_A		506.5	ug/L	5.212	1.029	244.2
V_2924_A		497.6	ug/L	0.6473	0.1301	6,673
Zn2062_A		495.6	ug/L	2.936	0.5923	1,715
Bi2230_A		521.4	ug/L	2.681	0.5143	234.4
Y_3600_R		8,936.5	Cts/S	28.760	0.32182	8,936.5
Y_2243_A		7,314.2	Cts/S	36.600	0.50040	7,314.2
Y_3600_A		191,160	Cts/S	552.87	0.28922	191,160

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:17:30PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2809	ug/L	0.3872	137.9	-28.79
Al3961_R		-28.89	ug/L	2.323	8.041	-22.47
As1891_A		-1.124	ug/L	1.594	141.8	-1.408
Au2427_A		-0.4745	ug/L	0.6087	128.3	-3.698
B_2089_A		0.8235	ug/L	0.002954	0.3587	4.097
Ba4554_R		0.01239	ug/L	0.2575	2,078	44.77
Be3130_R		-0.06155	ug/L	0.08842	143.6	-4.630
Ca3158_R		2.728	ug/L	8.150	298.8	-3.340
Cd2265_A		0.01778	ug/L	0.002837	15.96	-0.6994
Co2286_A		-0.4103	ug/L	0.1752	42.71	8.306
Cr2677_A		0.1433	ug/L	0.08789	61.34	11.62
Cu3273_A		1.105	ug/L	1.141	103.3	21.85
Fe2599_R		3.324	ug/L	0.9622	28.95	8.745
K_7664_R		-21.36	ug/L	21.13	98.96	0.6249
Li6707_R		1.115	ug/L	2.352	211.0	30.36
Mg2025_A		0.4209	ug/L	1.461	347.2	-0.4911
Mn2576_R		0.1011	ug/L	0.7050	697.4	-0.2989

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:17:30PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		1.291	ug/L	0.2097	16.24	6.578
Na5895_R		-5.164	ug/L	17.58	340.5	-154.2
Ni2316_A		0.1419	ug/L	0.1602	112.9	-0.5897
Pb2203_A		-0.1382	ug/L	0.7360	532.5	0.5061
Sb2068_A		0.09860	ug/L	0.5009	508.0	0.9842
Se1960_A		2.500	ug/L	1.157	46.29	-0.4299
Si2516_R		1.828	ug/L	3.398	185.9	8.165
Sn1899_A		-0.09282	ug/L	0.5413	583.2	0.1724
Sr4215_R		-0.1979	ug/L	0.2303	116.4	-47.03
Ti3349_A		-0.4673	ug/L	0.5025	107.5	-15.76
Tl1908_A		-0.5106	ug/L	0.6769	132.6	0.06753
V_2924_A		-0.1536	ug/L	0.3932	256.0	-3.689
Zn2062_A		2.329	ug/L	0.05524	2.372	9.816
Bi2230_A		-0.7686	ug/L	1.932	251.3	6.099
Y_3600_R		8,687.7	Cts/S	5.8029	0.066794	8,687.7
Y_2243_A		7,264.2	Cts/S	12.620	0.17372	7,264.2
Y_3600_A		193,050	Cts/S	1,115.3	0.57774	193,050

SG4562-020S

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:22:02PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.17	ug/L	1.149	2.162	482.3
Al3961_R		2,217	ug/L	36.64	1.653	336.9
As1891_A		102.3	ug/L	2.174	2.126	13.58
Au2427_A		-0.5840	ug/L	2.932	502.0	3.481
B_2089_A		734.9	ug/L	7.253	0.9870	331.7
Ba4554_R		2,221	ug/L	13.02	0.5860	22,760
Be3130_R		55.07	ug/L	0.2383	0.4326	1,147
Ca3158_R		29,140	ug/L	145.1	0.4978	9,320
Cd2265_A		264.3	ug/L	2.028	0.7673	1,925
Co2286_A		535.2	ug/L	6.101	1.140	909.0
Cr2677_A		219.1	ug/L	0.5887	0.2687	1,495
Cu3273_A		306.0	ug/L	1.375	0.4493	1,852
Fe2599_R		2,005	ug/L	4.367	0.2178	838.3
K_7664_R		28,460	ug/L	77.92	0.2738	4,916
Li6707_R		545.7	ug/L	1.147	0.2102	1,558
Mg2025_A		37,740	ug/L	294.2	0.7797	3,242
Mn2576_R		611.1	ug/L	1.520	0.2487	1,403
Mo2020_A		362.8	ug/L	4.941	1.362	356.5
Na5895_R		276,200	ug/L	569.0	0.2060	119,400
Ni2316_A		537.4	ug/L	4.863	0.9048	529.6
Pb2203_A		107.2	ug/L	0.06486	0.06051	59.22
Sb2068_A		108.1	ug/L	1.955	1.809	16.92
Se1960_A		101.0	ug/L	1.387	1.373	8.619
Si2516_R		6,772	ug/L	15.08	0.2226	812.3
Sn1899_A		537.1	ug/L	8.208	1.528	143.4
Sr4215_R		800.4	ug/L	5.376	0.6717	11,570
Ti3349_A		543.1	ug/L	1.588	0.2925	6,647
Tl1908_A		98.49	ug/L	1.155	1.172	22.84
V_2924_A		548.3	ug/L	1.171	0.2136	3,499
Zn2062_A		596.8	ug/L	6.060	1.015	999.6
Bi2230_A		-4.472	ug/L	2.750	61.48	5.375
Y_3600_R		8,660.3	Cts/S	32.623	0.37670	8,660.3
Y_2243_A		7,068.1	Cts/S	31.770	0.44949	7,068.1
Y_3600_A		180,990	Cts/S	523.01	0.28897	180,990

SG4562-020A

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:26:28PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		975.1	ug/L	1.837	0.1883	9,372
Al3961_R		20,330	ug/L	73.74	0.3628	3,198
As1891_A		981.6	ug/L	1.629	0.1659	138.7
Au2427_A		-4.397	ug/L	0.7200	16.38	6.983
B_2089_A		1,173	ug/L	0.6797	0.05793	534.5
Ba4554_R		1,039	ug/L	6.028	0.5802	10,720
Be3130_R		988.4	ug/L	1.038	0.1050	20,780
Ca3158_R		37,480	ug/L	93.11	0.2484	12,040
Cd2265_A		953.2	ug/L	1.030	0.1081	6,940
Co2286_A		965.6	ug/L	0.5641	0.05842	1,630
Cr2677_A		972.8	ug/L	3.321	0.3414	6,652
Cu3273_A		1,001	ug/L	3.701	0.3697	6,097
Fe2599_R		11,610	ug/L	0.5144	0.004429	4,850
K_7664_R		37,090	ug/L	82.56	0.2226	6,435
Li6707_R		976.2	ug/L	2.378	0.2436	2,781
Mg2025_A		42,890	ug/L	41.93	0.09776	3,688
Mn2576_R		1,051	ug/L	1.203	0.1144	2,425
Mo2020_A		1,027	ug/L	3.778	0.3680	1,000
Na5895_R		275,800	ug/L	732.0	0.2654	119,800
Ni2316_A		969.1	ug/L	1.893	0.1953	954.6
Pb2203_A		959.8	ug/L	3.087	0.3217	525.5
Sb2068_A		957.4	ug/L	0.9252	0.09663	149.1
Se1960_A		983.6	ug/L	2.614	0.2658	91.39
Si2516_R		2,167	ug/L	24.53	1.132	267.5
Sn1899_A		15.17	ug/L	0.01927	0.1271	4.255
Sr4215_R		1,234	ug/L	1.893	0.1534	17,950
Ti3349_A		977.6	ug/L	0.9970	0.1020	12,050
Tl1908_A		950.6	ug/L	0.5043	0.05305	221.1
V_2924_A		984.5	ug/L	1.661	0.1687	6,290
Zn2062_A		1,061	ug/L	0.6918	0.06522	1,772
Bi2230_A		-5.462	ug/L	1.139	20.86	5.497
Y_3600_R		8,700.6	Cts/S	85.936	0.98770	8,700.6
Y_2243_A		7,059.8	Cts/S	2.3976	0.033961	7,059.8
Y_3600_A		182,250	Cts/S	738.39	0.40515	182,250

SG4562-022

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:30:51PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1104	ug/L	0.1860	168.5	-21.17
Al3961_R		-15.55	ug/L	47.88	308.0	-18.55
As1891_A		-2.125	ug/L	0.6644	31.27	-1.728
Au2427_A		-0.5575	ug/L	0.4727	84.78	-4.045
B_2089_A		1.519	ug/L	0.1624	10.69	4.765
Ba4554_R		2.665	ug/L	0.2025	7.597	100.9
Be3130_R		-0.07836	ug/L	0.06516	83.15	-5.415
Ca3158_R		10.25	ug/L	0.7616	7.427	1.518
Cd2265_A		0.01935	ug/L	0.06969	360.1	-0.6893
Co2286_A		-0.1882	ug/L	0.1710	90.86	9.204
Cr2677_A		-0.4206	ug/L	0.01193	2.836	3.524
Cu3273_A		0.7718	ug/L	1.688	218.7	17.97
Fe2599_R		3.474	ug/L	0.07476	2.152	9.022
K_7664_R		-7.069	ug/L	47.78	675.9	5.621
Li6707_R		3.091	ug/L	1.378	44.59	42.19
Mg2025_A		8.350	ug/L	1.989	23.82	0.9211
Mn2576_R		-0.06020	ug/L	0.9943	1,652	-1.049

SG4562-022

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:30:51PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		0.4619	ug/L	0.4203	91.00	4.991
Na5895_R		24.29	ug/L	1.321	5.439	-130.8
Ni2316_A		0.5907	ug/L	0.1060	17.94	0.3221
Pb2203_A		0.3879	ug/L	0.1401	36.12	1.117
Sb2068_A		1.423	ug/L	0.4326	30.40	1.420
Se1960_A		0.05849	ug/L	0.09665	165.2	-0.9148
Si2516_R		8.741	ug/L	6.071	69.46	9.972
Sn1899_A		0.06992	ug/L	0.1869	267.3	0.2649
Sr4215_R		-0.2026	ug/L	0.04588	22.64	-47.98
Ti3349_A		-0.6436	ug/L	0.5417	84.18	-20.76
Tl1908_A		0.1466	ug/L	0.5269	359.5	0.3887
V_2924_A		-0.1338	ug/L	0.4521	338.0	-3.345
Zn2062_A		6.915	ug/L	0.06656	0.9625	25.97
Bi2230_A		2.635	ug/L	2.112	80.15	7.683
Y_3600_R		8,835.4	Cts/S	46.375	0.52487	8,835.4
Y_2243_A		7,372.1	Cts/S	38.679	0.52467	7,372.1
Y_3600_A		196,610	Cts/S	970.45	0.49359	196,610

SG4834-001R

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:35:22PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4176	ug/L	0.4359	104.4	-14.43
Al3961_R		24,460	ug/L	34.99	0.1430	7,830
As1891_A		-0.2183	ug/L	1.123	514.6	-1.321
Au2427_A		-0.09351	ug/L	0.3173	339.3	-0.6624
B_2089_A		2.547	ug/L	0.4616	18.12	5.613
Ba4554_R		3.340	ug/L	0.07295	2.184	115.2
Be3130_R		-0.08965	ug/L	0.05045	56.27	-5.899
Ca3158_R		1,603	ug/L	0.2066	0.01289	1,043
Cd2265_A		0.06995	ug/L	0.05162	73.79	0.1047
Co2286_A		0.1551	ug/L	0.1432	92.33	10.31
Cr2677_A		2.651	ug/L	0.2761	10.41	47.38
Cu3273_A		74.12	ug/L	0.5215	0.7037	953.8
Fe2599_R		32.60	ug/L	2.085	6.397	33.74
K_7664_R		532.1	ug/L	19.94	3.748	195.7
Li6707_R		3.152	ug/L	2.087	66.21	42.64
Mg2025_A		824.5	ug/L	0.3574	0.04335	145.4
Mn2576_R		72.56	ug/L	0.3687	0.5082	339.9
Mo2020_A		-0.8147	ug/L	0.01943	2.386	2.384
Na5895_R		35,650	ug/L	151.9	0.4261	31,370
Ni2316_A		2.260	ug/L	0.07807	3.455	3.717
Pb2203_A		0.2173	ug/L	0.1012	46.55	-3.398
Sb2068_A		1.341	ug/L	1.702	126.9	1.570
Se1960_A		0.3311	ug/L	0.4683	141.4	-0.9546
Si2516_R		147.5	ug/L	0.8326	0.5647	43.64
Sn1899_A		1.432	ug/L	0.9015	62.96	1.015
Sr4215_R		4.782	ug/L	0.3599	7.527	99.79
Ti3349_A		-0.7860	ug/L	0.04094	5.208	-23.82
Tl1908_A		-2.329	ug/L	0.06023	2.586	-0.8005
V_2924_A		0.3462	ug/L	0.3000	86.66	2.957
Zn2062_A		49.38	ug/L	0.2232	0.4519	172.5
Bi2230_A		-0.5480	ug/L	1.366	249.2	6.680
Y_3600_R		8,848.9	Cts/S	19.185	0.21681	8,848.9
Y_2243_A		7,306.2	Cts/S	36.325	0.49717	7,306.2
Y_3600_A		190,500	Cts/S	552.72	0.29015	190,500

LC2OGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:39:53PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.94	ug/L	0.07971	0.1596	980.1
Al3961_R		1,973	ug/L	10.96	0.5556	625.0
As1891_A		94.05	ug/L	0.5577	0.5929	26.37
Au2427_A		1.033	ug/L	0.2710	26.25	11.43
B_2089_A		496.5	ug/L	2.851	0.5741	457.4
Ba4554_R		2,017	ug/L	20.18	1.000	42,320
Be3130_R		50.31	ug/L	0.03910	0.07773	2,149
Ca3158_R		2,618	ug/L	22.85	0.8731	1,711
Cd2265_A		245.5	ug/L	1.223	0.4981	3,646
Co2286_A		510.5	ug/L	2.724	0.5336	1,759
Cr2677_A		201.3	ug/L	0.02771	0.01376	2,892
Cu3273_A		258.7	ug/L	0.5653	0.2185	3,297
Fe2599_R		1,011	ug/L	3.960	0.3919	865.8
K_7664_R		9,802	ug/L	138.2	1.410	3,472
Li6707_R		493.9	ug/L	4.769	0.9655	2,870
Mg2025_A		5,127	ug/L	19.86	0.3875	913.9
Mn2576_R		497.6	ug/L	4.106	0.8252	2,341
Mo2020_A		296.1	ug/L	2.529	0.8540	590.5
Na5895_R		7,462	ug/L	82.70	1.108	6,463
Ni2316_A		509.8	ug/L	2.602	0.5104	1,025
Pb2203_A		102.2	ug/L	0.6766	0.6619	114.6
Sb2068_A		99.02	ug/L	1.052	1.062	30.73
Se1960_A		96.40	ug/L	1.117	1.159	17.58
Si2516_R	F	2,931	ug/L	16.87	0.5756	721.9
Sn1899_A		517.2	ug/L	3.887	0.7516	281.2
Sr4215_R		497.0	ug/L	3.990	0.8028	14,740
Ti3349_A		496.3	ug/L	1.454	0.2929	12,820
Tl1908_A		99.13	ug/L	0.2824	0.2849	46.74
V_2924_A		493.7	ug/L	1.207	0.2445	6,654
Zn2062_A		502.0	ug/L	3.086	0.6148	1,712
Bi2230_A		-1.833	ug/L	0.2234	12.19	5.666
Y_3600_R		8,873.5	Cts/S	10.198	0.11493	8,873.5
Y_2243_A		7,203.8	Cts/S	15.515	0.21538	7,203.8
Y_3600_A		190,980	Cts/S	209.27	0.10958	190,980

LCSOGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:44:18PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.67	ug/L	0.3617	0.7282	974.4
Al3961_R		1,974	ug/L	10.86	0.5499	615.3
As1891_A		93.36	ug/L	0.8049	0.8621	26.32
Au2427_A		0.2899	ug/L	1.467	506.1	9.005
B_2089_A		493.7	ug/L	1.613	0.3268	457.5
Ba4554_R		2,030	ug/L	5.598	0.2757	41,920
Be3130_R		50.90	ug/L	0.3830	0.7525	2,140
Ca3158_R		2,654	ug/L	13.37	0.5039	1,707
Cd2265_A		243.4	ug/L	0.2059	0.08460	3,636
Co2286_A		506.1	ug/L	1.774	0.3505	1,754
Cr2677_A		200.3	ug/L	1.147	0.5727	2,876
Cu3273_A		255.2	ug/L	0.9053	0.3547	3,253
Fe2599_R		1,031	ug/L	2.855	0.2770	868.7
K_7664_R		9,887	ug/L	41.44	0.4191	3,446
Li6707_R		499.1	ug/L	2.553	0.5116	2,853
Mg2025_A		5,094	ug/L	8.380	0.1645	913.2
Mn2576_R		500.0	ug/L	0.4945	0.09889	2,315

LCSOGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:44:18PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		294.9	ug/L	1.199	0.4067	591.5
Na5895_R		7,507	ug/L	57.04	0.7599	6,398
Ni2316_A		503.9	ug/L	0.01472	0.002921	1,019
Pb2203_A		101.4	ug/L	0.7680	0.7576	114.3
Sb2068_A		100.5	ug/L	1.413	1.406	31.39
Se1960_A		94.94	ug/L	1.441	1.518	17.40
Si2516_R	F	2,886	ug/L	8.436	0.2923	699.6
Sn1899_A		515.0	ug/L	2.268	0.4404	281.7
Sr4215_R		501.6	ug/L	1.528	0.3047	14,630
Ti3349_A		497.0	ug/L	0.5266	0.1060	12,840
Tl1908_A		98.42	ug/L	1.238	1.258	46.67
V_2924_A		493.6	ug/L	0.3086	0.06253	6,651
Zn2062_A		497.1	ug/L	1.600	0.3219	1,706
Bi2230_A		-2.344	ug/L	0.3485	14.87	5.480
Y_3600_R		8,730.7	Cts/S	53.839	0.61666	8,730.7
Y_2243_A		7,245.8	Cts/S	22.928	0.31644	7,245.8
Y_3600_A		190,950	Cts/S	224.00	0.11731	190,950

PBSGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:48:44PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.07542	ug/L	0.2154	285.6	-22.07
Al3961_R		-20.24	ug/L	17.50	86.47	-20.20
As1891_A		-2.017	ug/L	0.03533	1.752	-1.698
Au2427_A		-1.191	ug/L	0.4673	39.25	-6.261
B_2089_A		1.697	ug/L	0.2269	13.38	4.903
Ba4554_R		0.3463	ug/L	0.06219	17.96	52.77
Be3130_R		-0.1451	ug/L	0.03875	26.70	-8.343
Ca3158_R		92.72	ug/L	1.510	1.628	55.64
Cd2265_A		-0.005302	ug/L	0.05638	1,063	-1.051
Co2286_A		-0.09599	ug/L	0.06797	70.81	9.544
Cr2677_A		0.4032	ug/L	0.05387	13.36	15.73
Cu3273_A		1.919	ug/L	0.8871	46.23	33.12
Fe2599_R		17.18	ug/L	2.893	16.84	20.74
K_7664_R		-17.04	ug/L	42.58	249.9	2.178
Li6707_R		1.920	ug/L	2.124	110.6	35.69
Mg2025_A		27.32	ug/L	1.404	5.139	4.316
Mn2576_R		0.2196	ug/L	0.9880	449.9	0.2493
Mo2020_A		-0.3782	ug/L	0.3103	82.06	3.294
Na5895_R		56.15	ug/L	6.536	11.64	-103.2
Ni2316_A		0.4049	ug/L	0.1456	35.95	-0.06237
Pb2203_A		-0.3624	ug/L	0.1284	35.42	0.2596
Sb2068_A		1.484	ug/L	1.708	115.1	1.379
Se1960_A		-2.869	ug/L	0.4215	14.69	-1.489
Si2516_R		15.18	ug/L	3.687	24.29	11.59
Sn1899_A		21.44	ug/L	0.1706	0.7957	12.16
Sr4215_R		-0.04056	ug/L	0.1447	356.8	-43.39
Ti3349_A		0.2538	ug/L	0.05527	21.78	3.074
Tl1908_A		0.2641	ug/L	0.3602	136.4	0.4459
V_2924_A		-0.2755	ug/L	0.1707	61.97	-5.276
Zn2062_A		1.316	ug/L	0.05259	3.995	6.434
Bi2230_A		-0.4771	ug/L	2.948	617.9	6.323
Y_3600_R		8,880.0	Cts/S	11.834	0.13327	8,880.0
Y_2243_A		7,378.7	Cts/S	22.915	0.31056	7,378.7
Y_3600_A		197,440	Cts/S	315.47	0.15978	197,440

SG4923-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:53:16PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		65.04	ug/L	0.02213	0.03402	812.3
Al3961_R		153,900	ug/L	1,690	1.099	50,120
As1891_A		71.72	ug/L	1.444	2.013	14.74
Au2427_A		-0.7666	ug/L	3.209	418.5	284.5
B_2089_A		1,006	ug/L	8.929	0.8872	892.0
Ba4554_R		1,347	ug/L	6.861	0.5094	28,650
Be3130_R		3.895	ug/L	0.03001	0.7705	97.54
Ca3158_R		178,400	ug/L	974.3	0.5461	118,600
Cd2265_A		10.52	ug/L	0.1645	1.564	233.5
Co2286_A		40.45	ug/L	0.4512	1.115	167.1
Cr2677_A		365.7	ug/L	1.319	0.3607	5,108
Cu3273_A		2,664	ug/L	5.233	0.1965	32,960
Fe2599_R		100,100	ug/L	1,058	1.057	86,280
K_7664_R		60,710	ug/L	374.1	0.6163	21,750
Li6707_R		81.55	ug/L	0.4989	0.6118	500.9
Mg2025_A		34,980	ug/L	293.7	0.8394	6,012
Mn2576_R		9,395	ug/L	74.40	0.7920	44,810
Mo2020_A		105.3	ug/L	0.7382	0.7014	209.0
Na5895_R		13,220	ug/L	41.31	0.3125	11,720
Ni2316_A		163.5	ug/L	1.647	1.008	315.1
Pb2203_A		400.0	ug/L	1.591	0.3977	422.8
Sb2068_A		14.30	ug/L	3.471	24.27	8.168
Se1960_A		27.69	ug/L	0.2485	0.8973	5.004
Si2516_R		4,528	ug/L	25.55	0.5643	1,123
Sn1899_A		171.8	ug/L	2.611	1.520	92.03
Sr4215_R		607.4	ug/L	3.444	0.5669	18,260
Ti3349_A		2,485	ug/L	0.09127	0.003673	62,310
Tl1908_A		3.048	ug/L	1.843	60.47	-13.22
V_2924_A		261.3	ug/L	0.3217	0.1231	3,406
Zn2062_A		3,732	ug/L	24.52	0.6570	12,520
Bi2230_A		165.1	ug/L	0.2675	0.1620	82.44
Y_3600_R		8,992.0	Cts/S	46.349	0.51545	8,992.0
Y_2243_A		7,085.8	Cts/S	23.295	0.32875	7,085.8
Y_3600_A		185,410	Cts/S	936.90	0.50531	185,410

SG4959-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:57:43PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		36.47	ug/L	0.3060	0.8389	-235.1
Al3961_R		117,300	ug/L	675.8	0.5763	40,120
As1891_A		84.83	ug/L	0.8664	1.021	15.72
Au2427_A		-37.60	ug/L	0.1890	0.5027	173.4
B_2089_A		281.2	ug/L	1.920	0.6826	266.7
Ba4554_R		907.6	ug/L	3.902	0.4300	20,300
Be3130_R		5.697	ug/L	0.02542	0.4462	76.72
Ca3158_R		26,320	ug/L	72.99	0.2773	18,360
Cd2265_A		130.5	ug/L	0.4411	0.3380	2,182
Co2286_A		54.57	ug/L	0.1965	0.3601	256.4
Cr2677_A		3,300	ug/L	9.864	0.2989	48,100
Cu3273_A		6,708	ug/L	15.67	0.2336	87,010
Fe2599_R		205,400	ug/L	1,095	0.5329	186,100
K_7664_R		25,650	ug/L	46.10	0.1797	9,659
Li6707_R		264.9	ug/L	1.527	0.5766	1,651
Mg2025_A		52,400	ug/L	233.6	0.4459	9,485
Mn2576_R		1,825	ug/L	9.963	0.5460	9,156

SG4959-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 4:57:43PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		77.86	ug/L	0.7509	0.9645	164.5
Na5895_R		41,760	ug/L	45.94	0.1100	39,250
Ni2316_A		670.7	ug/L	1.997	0.2977	1,380
Pb2203_A		3,479	ug/L	14.30	0.4110	4,033
Sb2068_A	F	-12.16	ug/L	1.502	12.36	11.02
Se1960_A		2.854	ug/L	2.245	78.64	0.2736
Si2516_R		3,366	ug/L	8.681	0.2579	875.8
Sn1899_A		488.8	ug/L	2.950	0.6035	275.4
Sr4215_R		388.8	ug/L	1.553	0.3993	12,260
Ti3349_A		6,029	ug/L	9.324	0.1547	158,500
Tl1908_A		1.979	ug/L	1.250	63.17	-5.156
V_2924_A		426.5	ug/L	2.181	0.5115	5,733
Zn2062_A		8,591	ug/L	51.51	0.5995	30,330
Bi2230_A		-2.112	ug/L	2.856	135.2	15.88
Y_3600_R		9,445.8	Cts/S	54.603	0.57807	9,445.8
Y_2243_A		7,463.1	Cts/S	42.712	0.57231	7,463.1
Y_3600_A		194,430	Cts/S	95.589	0.049165	194,430

SG4986-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:02:09PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2561	ug/L	0.2152	84.03	-54.52
Al3961_R		465.0	ug/L	1.379	0.2965	139.4
As1891_A		-2.331	ug/L	0.8357	35.84	-2.093
Au2427_A		-2.235	ug/L	0.4805	21.51	3.495
B_2089_A		16.17	ug/L	0.4569	2.826	18.90
Ba4554_R		12.45	ug/L	0.1623	1.304	313.7
Be3130_R		-0.02845	ug/L	0.06543	230.0	-4.880
Ca3158_R		544.5	ug/L	11.97	2.199	360.3
Cd2265_A		0.6068	ug/L	0.1011	16.66	14.58
Co2286_A		10.18	ug/L	0.04984	0.4896	46.26
Cr2677_A		57.74	ug/L	0.05102	0.08837	868.1
Cu3273_A		687.5	ug/L	0.1890	0.02749	9,125
Fe2599_R		7,888	ug/L	60.28	0.7642	6,877
K_7664_R		833.9	ug/L	29.81	3.574	310.1
Li6707_R		0.9181	ug/L	1.649	179.6	30.55
Mg2025_A		236.7	ug/L	3.365	1.422	41.96
Mn2576_R		170.7	ug/L	1.396	0.8178	822.5
Mo2020_A		19.77	ug/L	0.1952	0.9872	44.29
Na5895_R		2,025	ug/L	13.99	0.6908	1,682
Ni2316_A		124.2	ug/L	0.4206	0.3387	254.8
Pb2203_A		299.8	ug/L	0.4545	0.1516	345.9
Sb2068_A		0.1920	ug/L	1.118	582.0	1.053
Se1960_A		-2.540	ug/L	0.9996	39.35	-1.375
Si2516_R		655.3	ug/L	1.384	0.2112	171.2
Sn1899_A		41.44	ug/L	0.5475	1.321	23.33
Sr4215_R		2.582	ug/L	0.1835	7.107	35.50
Ti3349_A		51.31	ug/L	0.3572	0.6962	1,373
Tl1908_A		-1.162	ug/L	1.314	113.1	-0.5901
V_2924_A		2.998	ug/L	0.1183	3.948	35.09
Zn2062_A		5,369	ug/L	3.710	0.06910	18,790
Bi2230_A		-0.7430	ug/L	2.727	367.1	6.532
Y_3600_R		9,085.7	Cts/S	89.328	0.98317	9,085.7
Y_2243_A		7,393.1	Cts/S	5.7774	0.078146	7,393.1
Y_3600_A		198,280	Cts/S	780.49	0.39363	198,280

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:06:39PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		516.6	ug/L	6.078	1.177	10,280
Al3961_R		12,410	ug/L	118.8	0.9572	4,019
As1891_A		497.3	ug/L	2.481	0.4989	144.1
Au2427_A		499.4	ug/L	2.332	0.4669	1,755
B_2089_A		509.4	ug/L	1.882	0.3694	478.8
Ba4554_R		508.6	ug/L	5.697	1.120	10,800
Be3130_R		501.0	ug/L	5.332	1.064	21,680
Ca3158_R		12,960	ug/L	144.3	1.113	8,574
Cd2265_A		506.0	ug/L	1.160	0.2292	7,573
Co2286_A		509.8	ug/L	2.328	0.4566	1,768
Cr2677_A		511.0	ug/L	7.856	1.537	7,254
Cu3273_A		517.3	ug/L	6.079	1.175	6,536
Fe2599_R		12,580	ug/L	159.2	1.266	10,810
K_7664_R		12,410	ug/L	165.2	1.331	4,434
Li6707_R		494.4	ug/L	5.591	1.131	2,899
Mg2025_A		12,910	ug/L	33.05	0.2560	2,289
Mn2576_R		508.7	ug/L	8.904	1.750	2,416
Mo2020_A		496.1	ug/L	1.359	0.2738	993.3
Na5895_R		12,460	ug/L	177.5	1.424	11,000
Ni2316_A		512.5	ug/L	0.2757	0.05379	1,037
Pb2203_A		511.1	ug/L	1.641	0.3212	575.0
Sb2068_A		506.7	ug/L	1.372	0.2708	160.6
Se1960_A		501.6	ug/L	0.6029	0.1202	95.78
Si2516_R		12,210	ug/L	189.0	1.547	3,008
Sn1899_A		499.6	ug/L	1.635	0.3273	273.5
Sr4215_R		496.1	ug/L	5.015	1.011	14,850
Ti3349_A		504.7	ug/L	7.703	1.526	12,920
Tl1908_A		512.8	ug/L	2.221	0.4331	245.1
V_2924_A		503.2	ug/L	6.965	1.384	6,676
Zn2062_A		501.3	ug/L	2.343	0.4673	1,720
Bi2230_A	W	527.2	ug/L	3.180	0.6032	234.9
Y_3600_R		8,956.2	Cts/S	260.25	2.9058	8,956.2
Y_2243_A		7,250.8	Cts/S	18.461	0.25461	7,250.8
Y_3600_A		189,170	Cts/S	2,266.0	1.1978	189,170

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:11:02PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2910	ug/L	0.03418	11.75	-29.13
Al3961_R		4.631	ug/L	20.00	431.9	-12.11
As1891_A		-1.354	ug/L	0.02679	1.979	-1.481
Au2427_A		0.2719	ug/L	0.1519	55.87	-1.111
B_2089_A		0.7368	ug/L	0.2032	27.58	4.010
Ba4554_R		0.08277	ug/L	0.3346	404.2	46.97
Be3130_R		-0.03910	ug/L	0.02440	62.41	-3.760
Ca3158_R		6.652	ug/L	5.363	80.62	-0.8417
Cd2265_A		0.03639	ug/L	0.004639	12.75	-0.4239
Co2286_A		-0.2903	ug/L	0.05285	18.20	8.752
Cr2677_A		-0.03675	ug/L	0.07970	216.9	9.053
Cu3273_A		0.7587	ug/L	0.2048	27.00	17.48
Fe2599_R		-0.2977	ug/L	2.783	934.9	5.816
K_7664_R		10.16	ug/L	19.82	195.1	11.70
Li6707_R		0.8031	ug/L	2.064	257.0	29.04
Mg2025_A		2.076	ug/L	2.275	109.6	-0.1987
Mn2576_R		0.3651	ug/L	0.8679	237.7	0.9239

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:11:02PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		0.6642	ug/L	0.3007	45.27	5.341
Na5895_R		16.56	ug/L	15.73	95.03	-137.5
Ni2316_A		0.1512	ug/L	0.5135	339.7	-0.5746
Pb2203_A		0.1801	ug/L	0.005077	2.819	0.8641
Sb2068_A		0.4974	ug/L	2.605	523.8	1.111
Se1960_A		1.197	ug/L	1.106	92.38	-0.6837
Si2516_R		7.482	ug/L	1.459	19.50	9.661
Sn1899_A		0.5162	ug/L	0.2823	54.69	0.5074
Sr4215_R		-0.08128	ug/L	0.3468	426.7	-44.31
Ti3349_A		0.1739	ug/L	0.5002	287.7	0.9385
Tl1908_A		-0.6155	ug/L	1.578	256.3	0.01733
V_2924_A		0.04025	ug/L	0.6760	1,680	-0.9264
Zn2062_A		2.310	ug/L	0.05374	2.326	9.782
Bi2230_A		-0.5772	ug/L	1.264	219.0	6.202
Y_3600_R		8,826.2	Cts/S	31.617	0.35822	8,826.2
Y_2243_A		7,286.4	Cts/S	5.2179	0.071612	7,286.4
Y_3600_A		193,900	Cts/S	101.16	0.052171	193,900

SG4979-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:15:33PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.07870	ug/L	0.6759	858.8	-42.90
Al3961_R		249.3	ug/L	7.374	2.958	26.81
As1891_A		3.873	ug/L	1.755	45.32	-0.6637
Au2427_A		23.45	ug/L	4.393	18.73	130.9
B_2089_A		34.97	ug/L	0.1652	0.4725	19.92
Ba4554_R		71.77	ug/L	0.1565	0.2181	787.9
Be3130_R		-0.01469	ug/L	0.3907	2,660	-3.358
Ca3158_R		94,180	ug/L	376.0	0.3992	30,500
Cd2265_A		0.08249	ug/L	0.05217	63.24	3.836
Co2286_A		3.749	ug/L	0.07075	1.887	15.93
Cr2677_A		13.23	ug/L	0.3694	2.793	104.9
Cu3273_A		4.525	ug/L	2.512	55.52	31.14
Fe2599_R		10,830	ug/L	85.08	0.7860	4,555
K_7664_R		5,195	ug/L	60.73	1.169	914.9
Li6707_R		15.03	ug/L	9.401	62.53	67.06
Mg2025_A		8,859	ug/L	41.17	0.4647	744.2
Mn2576_R		10,510	ug/L	52.49	0.4993	24,440
Mo2020_A		104.0	ug/L	0.2711	0.2607	103.0
Na5895_R		410,000	ug/L	699.2	0.1705	179,400
Ni2316_A		7.470	ug/L	0.3868	5.178	6.107
Pb2203_A		5.546	ug/L	1.102	19.87	3.952
Sb2068_A		0.1065	ug/L	3.955	3,714	0.9802
Se1960_A		-3.789	ug/L	1.852	48.88	-0.7149
Si2516_R		10,830	ug/L	128.9	1.191	1,309
Sn1899_A		1.520	ug/L	1.169	76.89	0.6099
Sr4215_R		364.0	ug/L	1.549	0.4255	5,305
Ti3349_A		95.27	ug/L	1.056	1.108	1,143
Tl1908_A		7.683	ug/L	0.1695	2.206	-5.670
V_2924_A		50.06	ug/L	0.1259	0.2514	292.7
Zn2062_A		5.084	ug/L	0.2935	5.772	10.04
Bi2230_A		4.285	ug/L	5.221	121.8	7.224
Y_3600_R		8,765.9	Cts/S	2.6472	0.030198	8,765.9
Y_2243_A		6,932.9	Cts/S	18.791	0.27105	6,932.9
Y_3600_A		177,910	Cts/S	212.57	0.11949	177,910

SG4979-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:20:02PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.317	ug/L	0.8932	67.85	-28.34
Al3961_R		-10.24	ug/L	156.1	1,524	-14.10
As1891_A		-18.04	ug/L	0.2061	1.142	-2.081
Au2427_A		10.13	ug/L	8.259	81.50	20.65
B_2089_A		13.55	ug/L	3.750	27.67	5.698
Ba4554_R		101.5	ug/L	0.2505	0.2467	463.7
Be3130_R		-0.09301	ug/L	0.002857	3.072	-2.821
Ca3158_R		91,790	ug/L	265.5	0.2892	11,840
Cd2265_A		0.3230	ug/L	0.02689	8.325	0.2794
Co2286_A		17.62	ug/L	0.2649	1.504	21.17
Cr2677_A		4.037	ug/L	0.2414	5.979	21.40
Cu3273_A		11.95	ug/L	2.771	23.19	36.19
Fe2599_R		1,844	ug/L	14.83	0.8044	314.8
K_7664_R		5,183	ug/L	279.2	5.388	368.7
Li6707_R		26.77	ug/L	20.66	77.18	54.66
Mg2025_A		9,244	ug/L	21.21	0.2295	314.6
Mn2576_R		4,564	ug/L	23.17	0.5078	4,228
Mo2020_A		19.19	ug/L	0.2373	1.236	11.29
Na5895_R		612,800	ug/L	3,433	0.5602	106,800
Ni2316_A		15.16	ug/L	1.303	8.596	5.079
Pb2203_A		-2.115	ug/L	0.9557	45.19	0.2001
Sb2068_A		-1.625	ug/L	0.7721	47.53	0.8296
Se1960_A		1.190	ug/L	6.351	533.6	-0.7523
Si2516_R		6,983	ug/L	20.90	0.2992	342.2
Sn1899_A		-2.790	ug/L	1.700	60.93	-0.07999
Sr4215_R		537.6	ug/L	0.3003	0.05586	3,106
Ti3349_A		-4.510	ug/L	0.5026	11.15	-25.57
Tl1908_A		0.8460	ug/L	6.982	825.3	-0.9685
V_2924_A		2.001	ug/L	2.142	107.1	0.3154
Zn2062_A		5.024	ug/L	0.01846	0.3675	5.092
Bi2230_A		3.692	ug/L	6.579	178.2	6.549
Y_3600_R		8,734.3	Cts/S	71.462	0.81817	8,734.3
Y_2243_A		7,030.9	Cts/S	1.7816	0.025340	7,030.9
Y_3600_A		181,980	Cts/S	579.69	0.31855	181,980

PBWGG17ICW1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:24:32PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2808	ug/L	0.09417	33.54	-29.96
Al3961_R		2.621	ug/L	11.46	437.0	-13.29
As1891_A		-1.225	ug/L	1.301	106.2	-1.486
Au2427_A		-1.121	ug/L	0.9746	86.95	-6.123
B_2089_A		-0.6572	ug/L	0.07643	11.63	2.748
Ba4554_R		0.7186	ug/L	0.2857	39.76	62.63
Be3130_R		-0.05905	ug/L	0.04704	79.65	-4.783
Ca3158_R		-6.424	ug/L	0.6726	10.47	-9.736
Cd2265_A		-0.03536	ug/L	0.02240	63.34	-1.545
Co2286_A		-0.2515	ug/L	0.2316	92.10	9.138
Cr2677_A		-0.2895	ug/L	0.1197	41.34	5.581
Cu3273_A		1.048	ug/L	0.6177	58.91	21.97
Fe2599_R		0.8263	ug/L	1.443	174.6	7.046
K_7664_R		3.159	ug/L	50.06	1,585	9.697
Li6707_R		-2.894	ug/L	1.078	37.24	8.218
Mg2025_A		6.602	ug/L	1.762	26.68	0.6074
Mn2576_R		0.9346	ug/L	0.004909	0.5253	3.740

PBWGG17ICW1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:24:32PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-1.588	ug/L	0.003557	0.2239	0.8501
Na5895_R		31.93	ug/L	31.42	98.43	-128.7
Ni2316_A		0.1458	ug/L	0.07760	53.24	-0.6078
Pb2203_A		-0.7874	ug/L	1.211	153.8	-0.2358
Sb2068_A		-1.098	ug/L	0.03662	3.335	0.6242
Se1960_A		-1.577	ug/L	1.555	98.61	-1.256
Si2516_R		17.57	ug/L	17.76	101.1	12.60
Sn1899_A		0.3867	ug/L	0.7350	190.1	0.4487
Sr4215_R		-0.08071	ug/L	0.5003	619.9	-46.14
Ti3349_A		-0.4089	ug/L	0.07970	19.49	-14.90
Tl1908_A		1.130	ug/L	0.2807	24.84	0.8809
V_2924_A		0.3426	ug/L	0.4872	142.2	3.663
Zn2062_A		5.564	ug/L	0.003840	0.06901	21.61
Bi2230_A		-0.4830	ug/L	0.3694	76.48	6.423
Y_3600_R		9,177.5	Cts/S	73.761	0.80371	9,177.5
Y_2243_A		7,496.6	Cts/S	4.0877	0.054528	7,496.6
Y_3600_A		200,760	Cts/S	1,847.3	0.92014	200,760

LCSWGG17ICW1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:29:04PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.97	ug/L	0.1081	0.2002	1,085
Al3961_R		2,054	ug/L	37.73	1.837	669.8
As1891_A		97.94	ug/L	1.989	2.031	28.16
Au2427_A		2.314	ug/L	0.3469	14.99	16.50
B_2089_A		535.1	ug/L	0.2057	0.03844	503.1
Ba4554_R		2,086	ug/L	39.03	1.871	45,060
Be3130_R		51.91	ug/L	1.227	2.363	2,284
Ca3158_R		2,612	ug/L	53.95	2.065	1,758
Cd2265_A		257.8	ug/L	0.008967	0.003478	3,921
Co2286_A		539.7	ug/L	0.5912	0.1096	1,903
Cr2677_A		211.6	ug/L	1.065	0.5033	3,106
Cu3273_A		270.0	ug/L	1.309	0.4847	3,518
Fe2599_R		1,009	ug/L	27.51	2.726	890.1
K_7664_R		10,140	ug/L	151.7	1.495	3,699
Li6707_R		506.9	ug/L	8.398	1.657	3,031
Mg2025_A		5,459	ug/L	3.634	0.06658	996.2
Mn2576_R		512.7	ug/L	12.54	2.446	2,483
Mo2020_A		274.9	ug/L	10.38	3.777	561.8
Na5895_R		7,672	ug/L	118.1	1.540	6,846
Ni2316_A		536.5	ug/L	1.703	0.3175	1,104
Pb2203_A		106.5	ug/L	1.175	1.103	122.3
Sb2068_A		105.8	ug/L	0.1854	0.1752	33.74
Se1960_A		102.7	ug/L	5.199	5.063	19.24
Si2516_R		4,816	ug/L	117.2	2.433	1,215
Sn1899_A		501.4	ug/L	2.182	0.4353	279.2
Sr4215_R		507.9	ug/L	9.884	1.946	15,510
Ti3349_A		504.4	ug/L	2.314	0.4589	13,320
Tl1908_A		104.1	ug/L	1.501	1.441	50.31
V_2924_A		520.0	ug/L	1.814	0.3489	7,168
Zn2062_A		543.3	ug/L	0.4431	0.08155	1,898
Bi2230_A		-1.274	ug/L	0.1325	10.40	6.050
Y_3600_R		9,135.7	Cts/S	78.827	0.86285	9,135.7
Y_2243_A		7,377.9	Cts/S	4.6130	0.062524	7,377.9
Y_3600_A		195,200	Cts/S	1,591.4	0.81524	195,200

200.7 LOD

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:33:30PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		7.545	ug/L	0.2457	3.256	134.1
Al3961_R		111.8	ug/L	3.031	2.712	22.81
As1891_A		5.042	ug/L	0.2584	5.124	0.4111
Au2427_A		26.02	ug/L	0.9316	3.581	91.16
B_2089_A		10.44	ug/L	0.1704	1.632	13.46
Ba4554_R		3.336	ug/L	0.07874	2.360	117.5
Be3130_R		0.4679	ug/L	0.01228	2.625	18.23
Ca3158_R		85.76	ug/L	6.554	7.642	51.94
Cd2265_A		3.326	ug/L	0.08891	2.673	50.40
Co2286_A		4.113	ug/L	0.05519	1.342	24.66
Cr2677_A		5.284	ug/L	0.4179	7.908	88.04
Cu3273_A		12.41	ug/L	0.009885	0.07966	171.7
Fe2599_R		85.61	ug/L	4.595	5.368	80.35
K_7664_R		468.6	ug/L	36.29	7.745	177.0
Li6707_R		30.98	ug/L	0.8213	2.651	206.7
Mg2025_A		99.62	ug/L	0.7808	0.7838	17.70
Mn2576_R		3.532	ug/L	0.7060	19.99	16.12
Mo2020_A		9.985	ug/L	0.8026	8.038	24.68
Na5895_R		558.5	ug/L	13.53	2.423	348.5
Ni2316_A		4.513	ug/L	0.2266	5.022	8.538
Pb2203_A		5.136	ug/L	0.6586	12.82	6.628
Sb2068_A		4.107	ug/L	1.636	39.84	2.266
Se1960_A		4.339	ug/L	0.03705	0.8539	-0.07747
Si2516_R		111.8	ug/L	4.104	3.670	35.77
Sn1899_A		20.57	ug/L	0.02319	0.1127	11.85
Sr4215_R		3.928	ug/L	0.4219	10.74	75.96
Ti3349_A		4.233	ug/L	0.2874	6.789	109.6
Tl1908_A		5.692	ug/L	0.1424	2.502	3.130
V_2924_A		3.622	ug/L	0.3871	10.69	47.94
Zn2062_A		15.19	ug/L	0.09919	0.6530	55.66
Bi2230_A		-0.7214	ug/L	4.135	573.2	6.310
Y_3600_R		9,035.0	Cts/S	96.486	1.0679	9,035.0
Y_2243_A		7,485.2	Cts/S	15.897	0.21238	7,485.2
Y_3600_A		197,650	Cts/S	802.12	0.40582	197,650

200.7 LOQ

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:38:01PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		21.02	ug/L	0.1515	0.7206	416.8
Al3961_R		630.0	ug/L	40.49	6.427	190.1
As1891_A		14.45	ug/L	0.8561	5.924	3.242
Au2427_A		197.7	ug/L	1.388	0.7021	704.6
B_2089_A		105.1	ug/L	0.6154	0.5857	101.4
Ba4554_R		11.03	ug/L	0.1833	1.661	278.7
Be3130_R		10.57	ug/L	0.6182	5.847	453.4
Ca3158_R		215.7	ug/L	6.376	2.956	137.1
Cd2265_A		10.42	ug/L	0.09656	0.9266	159.7
Co2286_A		20.88	ug/L	0.1546	0.7402	84.26
Cr2677_A		20.82	ug/L	0.02966	0.1425	318.9
Cu3273_A		54.20	ug/L	0.3830	0.7066	725.4
Fe2599_R		204.2	ug/L	13.19	6.457	180.9
K_7664_R		2,080	ug/L	92.61	4.453	747.6
Li6707_R		205.7	ug/L	7.830	3.807	1,217
Mg2025_A		230.5	ug/L	3.967	1.721	42.01
Mn2576_R		12.10	ug/L	1.198	9.895	56.47

200.7 LOQ

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:38:01PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		16.14	ug/L	0.3004	1.861	37.27
Na5895_R		2,156	ug/L	84.79	3.932	1,769
Ni2316_A		21.83	ug/L	0.2230	1.021	44.63
Pb2203_A		10.42	ug/L	0.2690	2.581	12.66
Sb2068_A		16.92	ug/L	0.6384	3.773	5.925
Se1960_A		17.67	ug/L	1.150	6.509	2.568
Si2516_R		385.0	ug/L	8.615	2.238	102.2
Sn1899_A		193.3	ug/L	2.251	1.165	109.1
Sr4215_R		21.23	ug/L	1.088	5.125	592.5
Ti3349_A		29.29	ug/L	0.03418	0.1167	781.5
Tl1908_A		32.52	ug/L	0.5278	1.623	16.34
V_2924_A		20.44	ug/L	0.1325	0.6485	283.2
Zn2062_A		43.62	ug/L	0.4736	1.086	156.0
Bi2230_A		0.2384	ug/L	0.1536	64.44	6.742
Y_3600_R		8,932.7	Cts/S	329.43	3.6879	8,932.7
Y_2243_A		7,470.8	Cts/S	43.587	0.58344	7,470.8
Y_3600_A		198,140	Cts/S	2,077.7	1.0486	198,140

SG4687-004

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:42:29PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2005	ug/L	0.1635	81.59	-26.37
Al3961_R		64.47	ug/L	31.74	49.24	7.053
As1891_A		-0.6289	ug/L	0.4799	76.31	-1.250
Au2427_A		-0.07430	ug/L	1.472	1,981	-2.275
B_2089_A		0.1903	ug/L	0.1998	105.0	3.428
Ba4554_R		14.17	ug/L	0.3705	2.615	343.3
Be3130_R		-0.1139	ug/L	0.01130	9.921	-6.970
Ca3158_R		69,030	ug/L	131.4	0.1903	45,380
Cd2265_A		0.05598	ug/L	0.008912	15.92	-0.1309
Co2286_A		-0.08972	ug/L	0.2256	251.5	9.291
Cr2677_A		0.6626	ug/L	0.09577	14.45	18.59
Cu3273_A		1.390	ug/L	0.01286	0.9250	24.87
Fe2599_R		-0.6551	ug/L	5.426	828.3	5.566
K_7664_R		27,220	ug/L	152.3	0.5595	9,653
Li6707_R		0.3067	ug/L	1.766	575.7	26.44
Mg2025_A		11,380	ug/L	4.461	0.03920	1,979
Mn2576_R		0.5943	ug/L	0.06729	11.32	2.020
Mo2020_A		-0.3410	ug/L	0.06758	19.82	3.276
Na5895_R		33,490	ug/L	0.5604	0.001673	29,610
Ni2316_A		1.033	ug/L	0.02492	2.412	1.199
Pb2203_A		-0.3625	ug/L	0.04163	11.48	0.2359
Sb2068_A		0.7090	ug/L	2.115	298.3	1.156
Se1960_A		-2.505	ug/L	4.176	166.7	-1.379
Si2516_R		17.06	ug/L	0.5833	3.419	12.07
Sn1899_A		3.086	ug/L	0.2612	8.465	1.891
Sr4215_R		22.40	ug/L	0.003278	0.01464	625.5
Ti3349_A		-1.150	ug/L	0.3965	34.49	-32.66
Tl1908_A		-0.3495	ug/L	0.7792	222.9	0.1435
V_2924_A		-0.07119	ug/L	0.2111	296.6	-2.334
Zn2062_A		1.992	ug/L	0.02898	1.455	8.550
Bi2230_A		1.329	ug/L	2.407	181.1	6.925
Y_3600_R		8,896.0	Cts/S	16.590	0.18649	8,896.0
Y_2243_A		7,176.1	Cts/S	6.5581	0.091387	7,176.1
Y_3600_A		187,550	Cts/S	818.32	0.43632	187,550

SG5005-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:46:59PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.004507	ug/L	0.1522	3,376	-23.44
Al3961_R		22.71	ug/L	14.25	62.74	-6.539
As1891_A		0.002349	ug/L	0.4749	20,220	-1.087
Au2427_A		0.3034	ug/L	1.613	531.5	-0.8385
B_2089_A		10.97	ug/L	0.4985	4.545	13.24
Ba4554_R		15.14	ug/L	0.5007	3.307	373.1
Be3130_R		0.09099	ug/L	0.05135	56.43	1.875
Ca3158_R		12,860	ug/L	251.7	1.957	8,668
Cd2265_A		0.06604	ug/L	0.0007615	1.153	0.07748
Co2286_A		-0.3233	ug/L	0.01540	4.764	8.649
Cr2677_A		0.3464	ug/L	0.07449	21.50	14.57
Cu3273_A		27.43	ug/L	0.6100	2.223	361.9
Fe2599_R		72.15	ug/L	0.7187	0.9961	69.41
K_7664_R		17,630	ug/L	405.5	2.300	6,417
Li6707_R		3.366	ug/L	2.165	64.30	45.16
Mg2025_A		2,121	ug/L	7.927	0.3737	374.5
Mn2576_R		4.520	ug/L	0.7474	16.53	21.06
Mo2020_A		-0.6417	ug/L	0.1449	22.58	2.727
Na5895_R		34,900	ug/L	623.1	1.786	31,670
Ni2316_A		1.375	ug/L	0.03711	2.698	1.909
Pb2203_A		0.1311	ug/L	0.3076	234.6	0.8097
Sb2068_A		2.817	ug/L	0.7974	28.31	1.846
Se1960_A		-0.6666	ug/L	3.299	494.9	-1.046
Si2516_R		6,640	ug/L	118.9	1.791	1,669
Sn1899_A		2.034	ug/L	0.2048	10.07	1.343
Sr4215_R		65.22	ug/L	1.711	2.624	1,951
Ti3349_A		-0.1108	ug/L	0.1594	143.9	-6.536
Tl1908_A		0.5312	ug/L	0.3834	72.17	0.5612
V_2924_A		0.2309	ug/L	0.009781	4.237	1.804
Zn2062_A		16.46	ug/L	0.1197	0.7272	58.64
Bi2230_A		-1.229	ug/L	2.986	243.0	5.931
Y_3600_R		9,126.6	Cts/S	111.14	1.2177	9,126.6
Y_2243_A		7,295.7	Cts/S	9.8350	0.13480	7,295.7
Y_3600_A		193,020	Cts/S	1,865.2	0.96633	193,020

SG5005-001L

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:51:29PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.657	ug/L	0.9522	57.48	-16.16
Al3961_R		48.92	ug/L	12.74	26.03	-10.48
As1891_A		-1.418	ug/L	9.544	672.8	-1.169
Au2427_A		-1.991	ug/L	4.405	221.3	-3.407
B_2089_A		8.251	ug/L	1.271	15.41	4.772
Ba4554_R		18.34	ug/L	1.143	6.235	121.5
Be3130_R		-0.4411	ug/L	0.01630	3.696	-5.840
Ca3158_R		13,350	ug/L	118.4	0.8865	1,734
Cd2265_A		0.2515	ug/L	0.3420	136.0	-0.2067
Co2286_A		-1.222	ug/L	0.2079	17.01	8.907
Cr2677_A		0.5518	ug/L	1.623	294.2	11.03
Cu3273_A		28.43	ug/L	2.384	8.386	80.18
Fe2599_R		65.72	ug/L	6.444	9.805	17.17
K_7664_R		18,320	ug/L	56.71	0.3095	1,295
Li6707_R		5.765	ug/L	3.279	56.88	31.02
Mg2025_A		2,184	ug/L	6.424	0.2941	76.57
Mn2576_R		6.281	ug/L	1.898	30.22	5.097

SG5005-001L

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:51:29PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-5.797	ug/L	1.430	24.67	1.687
Na5895_R		36,950	ug/L	68.58	0.1856	6,358
Ni2316_A		3.102	ug/L	2.420	78.00	0.3759
Pb2203_A		2.748	ug/L	0.6416	23.35	1.285
Sb2068_A		2.091	ug/L	7.901	377.9	1.083
Se1960_A		-0.2820	ug/L	6.676	2,368	-0.9260
Si2516_R		6,784	ug/L	151.5	2.233	335.7
Sn1899_A		10.56	ug/L	0.8374	7.928	1.385
Sr4215_R		66.60	ug/L	0.6440	0.9670	351.6
Ti3349_A		-0.9987	ug/L	2.567	257.0	-8.723
Tl1908_A		0.7668	ug/L	4.327	564.3	0.3849
V_2924_A		-0.1409	ug/L	0.2913	206.7	-1.648
Zn2062_A		18.50	ug/L	0.4646	2.511	14.58
Bi2230_A		-6.766	ug/L	9.727	143.8	5.866
Y_3600_R		8,814.2	Cts/S	3.8585	0.043776	8,814.2
Y_2243_A		7,285.6	Cts/S	19.576	0.26870	7,285.6
Y_3600_A		190,970	Cts/S	841.60	0.44069	190,970

SG5005-001S

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 5:56:00PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.92	ug/L	0.5750	1.087	1,041
Al3961_R		2,082	ug/L	20.39	0.9795	674.3
As1891_A		97.86	ug/L	1.141	1.165	28.09
Au2427_A		0.9861	ug/L	0.1109	11.25	11.89
B_2089_A		540.2	ug/L	0.1146	0.02122	507.0
Ba4554_R		2,084	ug/L	8.296	0.3980	44,710
Be3130_R		52.67	ug/L	0.05549	0.1053	2,302
Ca3158_R		15,520	ug/L	70.57	0.4547	10,400
Cd2265_A		250.2	ug/L	0.2439	0.09752	3,799
Co2286_A		521.9	ug/L	1.263	0.2420	1,839
Cr2677_A		208.2	ug/L	1.899	0.9120	2,993
Cu3273_A		291.3	ug/L	3.261	1.120	3,717
Fe2599_R		1,082	ug/L	0.4967	0.04589	947.6
K_7664_R		27,860	ug/L	65.07	0.2335	10,080
Li6707_R		503.6	ug/L	2.182	0.4333	2,991
Mg2025_A		7,120	ug/L	8.389	0.1178	1,291
Mn2576_R		512.4	ug/L	1.053	0.2056	2,465
Mo2020_A		274.5	ug/L	9.382	3.418	560.2
Na5895_R		42,330	ug/L	161.8	0.3821	38,210
Ni2316_A		521.1	ug/L	0.6785	0.1302	1,071
Pb2203_A		102.6	ug/L	0.8477	0.8264	117.6
Sb2068_A		102.3	ug/L	2.758	2.696	32.61
Se1960_A		103.5	ug/L	1.431	1.382	19.38
Si2516_R		11,460	ug/L	9.252	0.08075	2,859
Sn1899_A		486.2	ug/L	2.520	0.5183	270.4
Sr4215_R		567.2	ug/L	0.2574	0.04537	17,200
Ti3349_A		498.9	ug/L	8.652	1.734	12,900
Tl1908_A		98.12	ug/L	0.9547	0.9730	47.29
V_2924_A		523.7	ug/L	6.617	1.264	7,070
Zn2062_A		540.0	ug/L	0.5077	0.09401	1,884
Bi2230_A		-1.397	ug/L	2.058	147.3	5.990
Y_3600_R		9,072.1	Cts/S	29.240	0.32231	9,072.1
Y_2243_A		7,368.0	Cts/S	20.075	0.27247	7,368.0
Y_3600_A		191,170	Cts/S	1,762.9	0.92217	191,170

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:00:26PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		504.1	ug/L	1.465	0.2907	10,020
Al3961_R		12,660	ug/L	37.15	0.2934	4,020
As1891_A		491.7	ug/L	1.158	0.2355	141.9
Au2427_A		493.0	ug/L	3.096	0.6281	1,725
B_2089_A		503.7	ug/L	0.8546	0.1697	472.0
Ba4554_R		511.6	ug/L	0.1131	0.02210	10,650
Be3130_R		506.7	ug/L	3.407	0.6724	21,490
Ca3158_R		12,880	ug/L	26.53	0.2059	8,351
Cd2265_A		499.3	ug/L	1.314	0.2631	7,439
Co2286_A		507.0	ug/L	2.341	0.4618	1,750
Cr2677_A		503.5	ug/L	1.526	0.3031	7,140
Cu3273_A		508.4	ug/L	1.478	0.2907	6,417
Fe2599_R		12,650	ug/L	99.80	0.7887	10,650
K_7664_R		12,500	ug/L	16.86	0.1348	4,377
Li6707_R		507.2	ug/L	1.242	0.2448	2,914
Mg2025_A		12,680	ug/L	50.50	0.3983	2,238
Mn2576_R		507.6	ug/L	4.196	0.8267	2,363
Mo2020_A		506.7	ug/L	0.8849	0.1746	1,010
Na5895_R		12,510	ug/L	6.397	0.05115	10,820
Ni2316_A		505.3	ug/L	1.535	0.3038	1,017
Pb2203_A		504.5	ug/L	2.912	0.5771	565.1
Sb2068_A		494.7	ug/L	3.275	0.6619	156.2
Se1960_A		497.3	ug/L	1.711	0.3440	94.53
Si2516_R		12,330	ug/L	38.49	0.3121	2,977
Sn1899_A		500.7	ug/L	0.06942	0.01386	272.9
Sr4215_R		503.4	ug/L	0.2885	0.05731	14,760
Ti3349_A		500.0	ug/L	1.445	0.2890	12,780
Tl1908_A		507.9	ug/L	1.525	0.3003	241.7
V_2924_A		501.8	ug/L	2.375	0.4732	6,650
Zn2062_A		498.2	ug/L	2.087	0.4188	1,702
Bi2230_A		511.8	ug/L	1.377	0.2690	227.2
Y_3600_R		8,775.8	Cts/S	61.561	0.70148	8,775.8
Y_2243_A		7,219.0	Cts/S	19.061	0.26404	7,219.0
Y_3600_A		188,960	Cts/S	1,369.9	0.72495	188,960

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:04:47PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.7903	ug/L	0.2050	25.94	-39.23
Al3961_R		40.19	ug/L	11.29	28.09	-0.7233
As1891_A		0.2176	ug/L	1.995	916.5	-1.017
Au2427_A		0.3307	ug/L	0.3780	114.3	-0.9115
B_2089_A		0.9076	ug/L	0.3469	38.22	4.188
Ba4554_R		0.1592	ug/L	0.09036	56.74	47.99
Be3130_R		-0.01475	ug/L	0.003992	27.06	-2.690
Ca3158_R		3.289	ug/L	6.418	195.1	-2.996
Cd2265_A		0.04722	ug/L	0.1347	285.3	-0.2661
Co2286_A		-0.3915	ug/L	0.04899	12.51	8.373
Cr2677_A		0.01387	ug/L	0.01828	131.8	9.742
Cu3273_A		-0.1312	ug/L	0.1587	120.9	5.905
Fe2599_R		-0.04309	ug/L	0.4154	964.0	5.966
K_7664_R		-22.98	ug/L	31.78	138.3	0.06933
Li6707_R		0.01005	ug/L	0.3084	3,069	24.23
Mg2025_A		-0.4878	ug/L	0.8689	178.1	-0.6486
Mn2576_R		0.04252	ug/L	0.3429	806.4	-0.5727

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:04:47PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		1.698	ug/L	0.2512	14.80	7.390
Na5895_R		-4.282	ug/L	37.33	871.8	-154.1
Ni2316_A		0.02704	ug/L	0.07679	284.0	-0.8211
Pb2203_A		-0.7903	ug/L	0.2980	37.71	-0.2416
Sb2068_A		2.190	ug/L	0.6930	31.64	1.642
Se1960_A		-0.2825	ug/L	0.3404	120.5	-0.9673
Si2516_R		5.002	ug/L	4.368	87.32	8.958
Sn1899_A		0.7490	ug/L	0.1771	23.64	0.6336
Sr4215_R		-0.09428	ug/L	0.1353	143.5	-44.20
Ti3349_A		-0.02356	ug/L	0.07984	338.9	-4.207
Tl1908_A		0.2837	ug/L	0.1159	40.86	0.4489
V_2924_A		-0.2304	ug/L	0.1582	68.68	-4.764
Zn2062_A		2.321	ug/L	0.07534	3.246	9.787
Bi2230_A		1.704	ug/L	0.3931	23.07	7.171
Y_3600_R		8,723.3	Cts/S	7.8612	0.090117	8,723.3
Y_2243_A		7,263.3	Cts/S	41.049	0.56516	7,263.3
Y_3600_A		193,020	Cts/S	674.52	0.34945	193,020

SG5005-001P

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:09:20PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.35	ug/L	0.05273	0.09703	1,062
Al3961_R		2,134	ug/L	85.04	3.984	680.3
As1891_A		99.15	ug/L	1.961	1.978	28.45
Au2427_A		1.112	ug/L	0.5303	47.68	12.74
B_2089_A		544.6	ug/L	1.313	0.2411	510.7
Ba4554_R		2,149	ug/L	45.44	2.114	45,350
Be3130_R		55.02	ug/L	1.539	2.797	2,365
Ca3158_R		16,070	ug/L	390.7	2.431	10,590
Cd2265_A		249.9	ug/L	0.09212	0.03686	3,791
Co2286_A		527.0	ug/L	1.580	0.2999	1,854
Cr2677_A		212.2	ug/L	1.531	0.7215	3,028
Cu3273_A		296.9	ug/L	1.568	0.5279	3,762
Fe2599_R		1,116	ug/L	29.06	2.605	960.5
K_7664_R		28,710	ug/L	586.6	2.043	10,210
Li6707_R		514.6	ug/L	13.95	2.710	3,006
Mg2025_A		7,133	ug/L	4.850	0.06799	1,292
Mn2576_R		533.5	ug/L	11.09	2.079	2,524
Mo2020_A		281.3	ug/L	6.911	2.457	573.3
Na5895_R		43,480	ug/L	898.0	2.065	38,610
Ni2316_A		527.2	ug/L	0.2466	0.04678	1,083
Pb2203_A		102.5	ug/L	0.8171	0.7971	117.4
Sb2068_A		102.1	ug/L	1.424	1.394	32.51
Se1960_A		99.24	ug/L	1.413	1.424	18.52
Si2516_R		11,880	ug/L	379.2	3.191	2,916
Sn1899_A		493.4	ug/L	1.867	0.3785	274.1
Sr4215_R		585.3	ug/L	11.73	2.005	17,460
Ti3349_A		507.0	ug/L	2.146	0.4232	13,010
Tl1908_A		98.07	ug/L	0.5029	0.5128	47.18
V_2924_A		532.3	ug/L	2.692	0.5058	7,133
Zn2062_A		541.0	ug/L	1.702	0.3146	1,885
Bi2230_A		-1.356	ug/L	0.2103	15.50	6.005
Y_3600_R		8,925.6	Cts/S	171.76	1.9243	8,925.6
Y_2243_A		7,359.9	Cts/S	0.90688	0.012322	7,359.9
Y_3600_A		189,750	Cts/S	419.55	0.22110	189,750

SG5015-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:13:46PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3113	ug/L	0.1104	35.46	-30.79
Al3961_R		84.80	ug/L	29.26	34.51	13.99
As1891_A		-1.033	ug/L	1.132	109.6	-1.429
Au2427_A		-1.507	ug/L	0.06691	4.441	-6.848
B_2089_A		3.884	ug/L	0.7974	20.53	7.147
Ba4554_R		3.600	ug/L	0.2061	5.724	124.0
Be3130_R		-0.03747	ug/L	0.008661	23.12	-3.842
Ca3158_R		4,415	ug/L	47.03	1.065	2,962
Cd2265_A		0.04094	ug/L	0.03735	91.23	-0.2202
Co2286_A		-0.1449	ug/L	0.2301	158.8	9.511
Cr2677_A		0.6318	ug/L	0.06625	10.49	19.09
Cu3273_A		4.678	ug/L	0.2737	5.850	69.25
Fe2599_R		174.2	ug/L	1.449	0.8313	158.2
K_7664_R		415.2	ug/L	58.35	14.05	158.8
Li6707_R		0.3603	ug/L	2.656	737.1	27.32
Mg2025_A		905.8	ug/L	3.506	0.3871	163.6
Mn2576_R		23.59	ug/L	1.319	5.591	113.0
Mo2020_A		3.702	ug/L	0.7069	19.09	11.73
Na5895_R		3,156	ug/L	20.31	0.6434	2,712
Ni2316_A		0.7265	ug/L	0.1627	22.40	0.6048
Pb2203_A		0.8992	ug/L	0.7907	87.93	1.717
Sb2068_A		-1.013	ug/L	0.8549	84.43	0.6469
Se1960_A		-0.1431	ug/L	2.377	1,661	-0.9662
Si2516_R		1,606	ug/L	19.50	1.214	408.7
Sn1899_A		2.822	ug/L	0.7740	27.42	1.822
Sr4215_R		24.35	ug/L	0.1049	0.4309	699.0
Ti3349_A		1.354	ug/L	0.5049	37.28	32.38
Tl1908_A		1.199	ug/L	0.6340	52.89	0.8757
V_2924_A		-0.002059	ug/L	0.4983	24,200	-1.983
Zn2062_A		14.01	ug/L	0.1408	1.005	51.46
Bi2230_A		1.078	ug/L	2.153	199.7	7.110
Y_3600_R		9,096.6	Cts/S	18.640	0.20491	9,096.6
Y_2243_A		7,478.7	Cts/S	22.848	0.30551	7,478.7
Y_3600_A		196,780	Cts/S	779.91	0.39634	196,780

SG5015-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:18:18PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.08549	ug/L	0.0003071	0.3593	-22.69
Al3961_R		371.0	ug/L	20.60	5.554	108.4
As1891_A		9.311	ug/L	0.6364	6.835	1.632
Au2427_A		-0.6056	ug/L	1.098	181.3	-2.648
B_2089_A		28.24	ug/L	0.3503	1.240	29.09
Ba4554_R		9.096	ug/L	0.04702	0.5170	242.0
Be3130_R		-0.01277	ug/L	0.009608	75.26	-2.744
Ca3158_R		30,800	ug/L	374.1	1.214	20,700
Cd2265_A		0.05262	ug/L	0.04527	86.04	0.1805
Co2286_A		-0.1620	ug/L	0.2148	132.6	9.176
Cr2677_A		9.238	ug/L	0.1685	1.824	139.5
Cu3273_A		40.94	ug/L	0.03347	0.08175	522.2
Fe2599_R		450.7	ug/L	11.60	2.575	399.2
K_7664_R		3,293	ug/L	67.58	2.052	1,201
Li6707_R		3.207	ug/L	0.7437	23.19	44.14
Mg2025_A		6,033	ug/L	21.26	0.3523	1,060
Mn2576_R		52.28	ug/L	0.2126	0.4067	251.4

SG5015-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:18:18PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		10.12	ug/L	0.1370	1.353	24.20
Na5895_R		81,500	ug/L	499.0	0.6122	73,920
Ni2316_A		2.129	ug/L	0.4098	19.25	3.420
Pb2203_A		0.1340	ug/L	0.5098	380.4	0.7551
Sb2068_A		2.539	ug/L	1.423	56.02	1.784
Se1960_A		-0.9546	ug/L	2.202	230.7	-1.090
Si2516_R		11,890	ug/L	166.4	1.400	2,973
Sn1899_A		1.254	ug/L	0.2997	23.90	0.9087
Sr4215_R		199.3	ug/L	2.350	1.179	6,033
Ti3349_A		2.051	ug/L	0.03301	1.609	48.78
Tl1908_A		0.6250	ug/L	0.4535	72.55	0.5285
V_2924_A		1.920	ug/L	0.6103	31.79	22.43
Zn2062_A		16.62	ug/L	0.02166	0.1303	58.86
Bi2230_A		-0.4614	ug/L	2.048	443.8	6.251
Y_3600_R		9,095.4	Cts/S	25.644	0.28195	9,095.4
Y_2243_A		7,255.2	Cts/S	24.667	0.33999	7,255.2
Y_3600_A		187,970	Cts/S	431.38	0.22950	187,970

PBWGG17ICW2

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:22:49PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4882	ug/L	0.02494	5.109	-33.30
Al3961_R		-2.762	ug/L	12.85	465.2	-14.56
As1891_A		-1.666	ug/L	0.3604	21.63	-1.593
Au2427_A		-1.115	ug/L	0.5687	51.03	-5.996
B_2089_A		0.9356	ug/L	0.8298	88.68	4.210
Ba4554_R		1.050	ug/L	0.2158	20.56	67.42
Be3130_R		-0.01362	ug/L	0.1206	885.9	-2.687
Ca3158_R		90.07	ug/L	4.370	4.852	53.82
Cd2265_A		0.07753	ug/L	0.02985	38.51	0.2043
Co2286_A		-0.3541	ug/L	0.01711	4.833	8.635
Cr2677_A		0.3229	ug/L	0.1468	45.45	14.31
Cu3273_A		1.362	ug/L	0.9516	69.87	25.33
Fe2599_R		10.49	ug/L	0.5207	4.963	15.02
K_7664_R		-59.73	ug/L	23.32	39.05	-12.92
Li6707_R		1.000	ug/L	0.007452	0.7451	30.33
Mg2025_A		28.68	ug/L	0.05350	0.1865	4.549
Mn2576_R		0.6103	ug/L	0.7335	120.2	2.093
Mo2020_A		-0.2471	ug/L	0.06084	24.63	3.559
Na5895_R		42.77	ug/L	7.427	17.36	-114.9
Ni2316_A		0.3335	ug/L	0.1178	35.31	-0.2090
Pb2203_A		0.7370	ug/L	0.1446	19.62	1.517
Sb2068_A		1.025	ug/L	0.002838	0.2768	1.294
Se1960_A		-2.966	ug/L	0.2947	9.937	-1.508
Si2516_R		24.34	ug/L	16.89	69.39	13.80
Sn1899_A		1.369	ug/L	0.4092	29.88	0.9885
Sr4215_R		0.3265	ug/L	0.1696	51.94	-32.42
Ti3349_A		-0.1220	ug/L	0.1256	103.0	-6.842
Tl1908_A		-0.3678	ug/L	0.2089	56.80	0.1376
V_2924_A		-0.06307	ug/L	0.03093	49.04	-2.278
Zn2062_A		1.613	ug/L	0.1422	8.814	7.469
Bi2230_A		-1.529	ug/L	2.127	139.1	5.861
Y_3600_R		8,865.9	Cts/S	23.468	0.26470	8,865.9
Y_2243_A		7,377.3	Cts/S	3.8084	0.051623	7,377.3
Y_3600_A		194,270	Cts/S	719.60	0.37041	194,270

LCSWGG17ICW2

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:27:22PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.48	ug/L	0.5892	1.144	1,012
Al3961_R		2,109	ug/L	27.74	1.316	662.0
As1891_A		96.73	ug/L	0.9272	0.9585	27.36
Au2427_A		1.112	ug/L	0.1824	16.40	12.24
B_2089_A		513.5	ug/L	0.2007	0.03908	476.5
Ba4554_R		2,113	ug/L	7.100	0.3360	43,880
Be3130_R		53.14	ug/L	0.1567	0.2949	2,248
Ca3158_R		2,663	ug/L	8.838	0.3319	1,723
Cd2265_A		250.9	ug/L	0.06298	0.02510	3,754
Co2286_A		525.7	ug/L	1.095	0.2082	1,824
Cr2677_A		205.9	ug/L	0.4066	0.1975	2,961
Cu3273_A		263.0	ug/L	0.1803	0.06855	3,357
Fe2599_R		1,042	ug/L	3.017	0.2897	883.4
K_7664_R		10,240	ug/L	21.19	0.2070	3,591
Li6707_R		519.8	ug/L	5.916	1.138	2,988
Mg2025_A		5,219	ug/L	1.734	0.03322	937.6
Mn2576_R		520.5	ug/L	2.157	0.4145	2,424
Mo2020_A		304.0	ug/L	0.8098	0.2664	610.7
Na5895_R		7,724	ug/L	75.78	0.9810	6,629
Ni2316_A		522.7	ug/L	1.512	0.2892	1,059
Pb2203_A		104.6	ug/L	0.5337	0.5101	118.1
Sb2068_A		100.3	ug/L	0.2351	0.2345	31.39
Se1960_A		99.04	ug/L	2.021	2.041	18.23
Si2516_R		4,891	ug/L	3.759	0.07686	1,187
Sn1899_A		511.4	ug/L	0.5307	0.1038	280.2
Sr4215_R		521.3	ug/L	3.257	0.6248	15,310
Ti3349_A		507.6	ug/L	0.6766	0.1333	13,130
Tl1908_A		101.2	ug/L	0.1930	0.1908	48.04
V_2924_A		516.0	ug/L	1.316	0.2550	6,965
Zn2062_A		522.2	ug/L	0.4178	0.08001	1,795
Bi2230_A		-2.791	ug/L	1.610	57.69	5.299
Y_3600_R		8,784.1	Cts/S	8.7016	0.099061	8,784.1
Y_2243_A		7,258.3	Cts/S	13.238	0.18239	7,258.3
Y_3600_A		191,240	Cts/S	467.58	0.24450	191,240

SG4825-001R

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:31:48PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2903	ug/L	0.1084	37.34	-21.21
Al3961_R		124.7	ug/L	30.20	24.23	26.11
As1891_A		2.032	ug/L	2.138	105.2	-0.5148
Au2427_A		3.123	ug/L	0.7118	22.79	37.51
B_2089_A		27.53	ug/L	0.1916	0.6959	27.36
Ba4554_R		14.52	ug/L	0.01832	0.1262	345.8
Be3130_R		-0.08471	ug/L	0.02643	31.19	-5.703
Ca3158_R		169,600	ug/L	623.5	0.3676	110,000
Cd2265_A		-0.03264	ug/L	0.04085	125.1	-0.5155
Co2286_A		5.916	ug/L	0.3012	5.091	29.27
Cr2677_A		1.666	ug/L	0.3584	21.51	34.31
Cu3273_A		3.233	ug/L	0.2933	9.071	46.31
Fe2599_R		1,205	ug/L	4.471	0.3711	1,019
K_7664_R		5,409	ug/L	18.44	0.3408	1,898
Li6707_R		24.64	ug/L	1.321	5.360	164.7
Mg2025_A		31,710	ug/L	11.52	0.03633	5,416
Mn2576_R		1,628	ug/L	0.8905	0.05469	7,576

SG4825-001R

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:31:48PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		1.936	ug/L	0.1177	6.079	7.630
Na5895_R		21,710	ug/L	104.4	0.4807	18,880
Ni2316_A		30.27	ug/L	0.1890	0.6244	58.61
Pb2203_A		-0.1123	ug/L	0.1672	149.0	0.5945
Sb2068_A		1.109	ug/L	0.4378	39.48	1.270
Se1960_A		0.6213	ug/L	4.152	668.3	-0.6124
Si2516_R		12,940	ug/L	35.37	0.2734	3,120
Sn1899_A		0.7568	ug/L	0.7284	96.24	0.6186
Sr4215_R		637.0	ug/L	2.552	0.4006	18,690
Ti3349_A		1.496	ug/L	0.2538	16.97	33.53
Tl1908_A		1.150	ug/L	0.5387	46.84	-1.576
V_2924_A		0.7703	ug/L	0.1714	22.25	2.945
Zn2062_A		103.7	ug/L	0.03308	0.03190	347.6
Bi2230_A		2.128	ug/L	0.9241	43.43	7.180
Y_3600_R		8,773.3	Cts/S	39.136	0.44608	8,773.3
Y_2243_A		7,046.6	Cts/S	0.38645	0.0054842	7,046.6
Y_3600_A		182,460	Cts/S	17.531	0.0096081	182,460

SG5001-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:36:17PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.931	ug/L	0.8661	44.84	-30.86
Al3961_R		-146.6	ug/L	50.57	34.48	-22.48
As1891_A		-13.98	ug/L	0.1342	0.9603	-1.894
Au2427_A		-0.1111	ug/L	8.757	7,882	-2.136
B_2089_A		1.164	ug/L	0.2152	18.48	3.479
Ba4554_R		3.679	ug/L	0.3706	10.07	59.16
Be3130_R		-0.4887	ug/L	0.3480	71.21	-6.114
Ca3158_R		123.4	ug/L	31.21	25.29	10.69
Cd2265_A		0.3297	ug/L	0.1698	51.50	0.01752
Co2286_A		-1.039	ug/L	0.9318	89.71	8.976
Cr2677_A		-0.5778	ug/L	1.326	229.4	7.813
Cu3273_A		3.050	ug/L	1.341	43.99	15.47
Fe2599_R		-10.94	ug/L	1.648	15.07	4.125
K_7664_R		-346.2	ug/L	78.38	22.64	-15.80
Li6707_R		6.664	ug/L	2.779	41.70	31.34
Mg2025_A		30.10	ug/L	2.199	7.305	0.4899
Mn2576_R		-1.796	ug/L	1.565	87.15	-2.397
Mo2020_A		-4.398	ug/L	0.8851	20.13	2.233
Na5895_R		43.06	ug/L	15.76	36.59	-141.2
Ni2316_A		1.076	ug/L	0.08068	7.496	-0.4447
Pb2203_A		1.571	ug/L	3.157	200.9	1.018
Sb2068_A		7.046	ug/L	5.214	74.01	1.391
Se1960_A		-12.34	ug/L	2.091	16.94	-1.385
Si2516_R		-5.405	ug/L	41.35	765.1	7.417
Sn1899_A		4.395	ug/L	1.007	22.91	0.7024
Sr4215_R		-2.251	ug/L	0.6120	27.19	-53.98
Ti3349_A		-2.194	ug/L	0.9998	45.56	-14.99
Tl1908_A		-3.807	ug/L	1.037	27.22	-0.05145
V_2924_A		-0.04361	ug/L	0.7087	1,625	-1.426
Zn2062_A		3.789	ug/L	0.5361	14.15	4.402
Bi2230_A		-2.567	ug/L	0.2657	10.35	6.190
Y_3600_R		8,622.0	Cts/S	69.135	0.80184	8,622.0
Y_2243_A		7,241.3	Cts/S	4.5031	0.062186	7,241.3
Y_3600_A		192,360	Cts/S	3,119.2	1.6215	192,360

SG5016-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:40:47PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3085	ug/L	0.1336	43.31	-57.75
Al3961_R		2,941	ug/L	36.05	1.226	926.6
As1891_A		0.6656	ug/L	1.774	266.6	-1.267
Au2427_A		-1.084	ug/L	0.4308	39.74	13.09
B_2089_A		11.02	ug/L	0.3049	2.765	13.25
Ba4554_R		38.44	ug/L	0.6222	1.619	846.4
Be3130_R		-0.01346	ug/L	0.07041	523.2	-5.860
Ca3158_R		27,800	ug/L	75.17	0.2704	18,120
Cd2265_A		0.2089	ug/L	0.05469	26.19	9.730
Co2286_A		4.526	ug/L	0.06718	1.484	26.51
Cr2677_A		4.460	ug/L	0.3010	6.749	73.74
Cu3273_A		9.124	ug/L	0.1531	1.678	117.1
Fe2599_R		9,304	ug/L	23.58	0.2534	7,877
K_7664_R		7,094	ug/L	42.38	0.5973	2,501
Li6707_R		9.247	ug/L	2.186	23.64	77.45
Mg2025_A		6,464	ug/L	25.41	0.3931	1,140
Mn2576_R		385.9	ug/L	0.4448	0.1153	1,806
Mo2020_A		-0.9820	ug/L	0.02882	2.935	2.037
Na5895_R		22,210	ug/L	0.1844	0.0008302	19,430
Ni2316_A		10.53	ug/L	0.2535	2.408	19.78
Pb2203_A		0.3110	ug/L	0.3300	106.1	1.271
Sb2068_A		-0.01882	ug/L	1.524	8,098	1.087
Se1960_A		-3.304	ug/L	1.881	56.93	-1.486
Si2516_R		9,548	ug/L	60.33	0.6318	2,317
Sn1899_A		1.282	ug/L	0.2319	18.08	0.9273
Sr4215_R		127.5	ug/L	0.9281	0.7279	3,729
Ti3349_A		114.1	ug/L	0.1264	0.1108	2,923
Tl1908_A		-0.2295	ug/L	0.5712	248.9	-0.4432
V_2924_A		8.834	ug/L	0.2562	2.901	118.0
Zn2062_A		17.35	ug/L	0.03224	0.1859	61.55
Bi2230_A		2.899	ug/L	1.780	61.41	8.110
Y_3600_R		8,823.1	Cts/S	48.260	0.54698	8,823.1
Y_2243_A		7,279.3	Cts/S	29.767	0.40892	7,279.3
Y_3600_A		189,720	Cts/S	796.30	0.41973	189,720

SG5016-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:45:17PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1145	ug/L	0.001964	1.714	-25.30
Al3961_R		94.55	ug/L	1.959	2.072	16.73
As1891_A		-1.473	ug/L	1.430	97.09	-1.509
Au2427_A		0.4723	ug/L	1.333	282.2	-0.3109
B_2089_A		18.27	ug/L	0.04426	0.2422	19.68
Ba4554_R		35.09	ug/L	0.02809	0.08005	782.2
Be3130_R		-0.1579	ug/L	0.07447	47.17	-8.831
Ca3158_R		43,760	ug/L	293.9	0.6715	28,740
Cd2265_A		0.1087	ug/L	0.04941	45.47	0.6745
Co2286_A		-0.4252	ug/L	0.3217	75.66	8.226
Cr2677_A		0.9412	ug/L	0.05256	5.585	22.97
Cu3273_A		5.951	ug/L	0.3232	5.431	83.79
Fe2599_R		28.11	ug/L	0.3962	1.409	30.07
K_7664_R		7,029	ug/L	4.929	0.07011	2,496
Li6707_R		2.749	ug/L	1.456	52.97	40.51
Mg2025_A		5,441	ug/L	1.452	0.02668	954.0
Mn2576_R		3.977	ug/L	0.2090	5.254	17.96

SG5016-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:45:17PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-1.074	ug/L	0.1689	15.73	1.844
Na5895_R		3,606	ug/L	4.097	0.1136	3,049
Ni2316_A		3.320	ug/L	0.4723	14.23	5.825
Pb2203_A		-0.07477	ug/L	0.9626	1,288	0.5592
Sb2068_A		0.5928	ug/L	0.1107	18.68	1.136
Se1960_A		-1.744	ug/L	1.824	104.6	-1.245
Si2516_R		3,467	ug/L	13.16	0.3796	852.8
Sn1899_A		1.159	ug/L	0.5128	44.24	0.8549
Sr4215_R		121.0	ug/L	0.7248	0.5990	3,562
Ti3349_A		-0.6166	ug/L	0.09832	15.95	-19.56
Tl1908_A		-0.07558	ug/L	0.0009114	1.206	0.2688
V_2924_A		1.814	ug/L	0.4013	22.12	23.32
Zn2062_A		3.149	ug/L	0.06632	2.106	12.59
Bi2230_A		1.042	ug/L	0.7251	69.56	6.862
Y_3600_R		8,887.1	Cts/S	40.941	0.46067	8,887.1
Y_2243_A		7,237.9	Cts/S	5.8936	0.081426	7,237.9
Y_3600_A		191,450	Cts/S	786.74	0.41093	191,450

SG5016-003

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:49:47PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5317	ug/L	0.2223	41.80	-33.44
Al3961_R		60.28	ug/L	16.22	26.91	5.639
As1891_A		0.9383	ug/L	0.9563	101.9	-0.7948
Au2427_A		6.083	ug/L	2.350	38.63	56.61
B_2089_A		13.18	ug/L	0.7200	5.460	14.85
Ba4554_R		20.62	ug/L	0.8886	4.309	466.6
Be3130_R		0.02391	ug/L	0.2281	954.0	-1.047
Ca3158_R		83,520	ug/L	914.4	1.095	53,500
Cd2265_A		0.2016	ug/L	0.004871	2.416	2.276
Co2286_A		2.370	ug/L	0.3006	12.69	17.35
Cr2677_A		1.276	ug/L	0.02310	1.811	29.68
Cu3273_A		3.931	ug/L	0.3313	8.430	54.79
Fe2599_R		377.3	ug/L	2.131	0.5649	319.5
K_7664_R		5,319	ug/L	62.55	1.176	1,844
Li6707_R		18.19	ug/L	0.6673	3.668	126.4
Mg2025_A		10,500	ug/L	95.43	0.9091	1,792
Mn2576_R		2,234	ug/L	15.69	0.7020	10,270
Mo2020_A		3.313	ug/L	0.2170	6.548	10.30
Na5895_R		72,570	ug/L	726.8	1.002	62,710
Ni2316_A		2.021	ug/L	0.2289	11.33	3.101
Pb2203_A		0.5361	ug/L	1.622	302.5	1.250
Sb2068_A		-0.8717	ug/L	1.360	156.0	0.6623
Se1960_A		-0.7680	ug/L	0.4198	54.66	-0.8198
Si2516_R		5,988	ug/L	55.72	0.9305	1,431
Sn1899_A		0.1783	ug/L	0.5466	306.5	0.3124
Sr4215_R		295.7	ug/L	2.235	0.7557	8,550
Ti3349_A		-1.425	ug/L	0.04681	3.285	-38.31
Tl1908_A		2.583	ug/L	0.7656	29.64	-1.811
V_2924_A		0.2941	ug/L	0.2152	73.19	-5.453
Zn2062_A		5.432	ug/L	0.05657	1.041	19.86
Bi2230_A		1.704	ug/L	1.682	98.73	6.972
Y_3600_R		8,669.1	Cts/S	76.458	0.88196	8,669.1
Y_2243_A		7,044.8	Cts/S	65.902	0.93548	7,044.8
Y_3600_A		181,320	Cts/S	848.83	0.46813	181,320

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:54:16PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		504.2	ug/L	1.392	0.2761	10,040
Al3961_R		12,620	ug/L	100.2	0.7942	4,036
As1891_A		490.3	ug/L	4.897	0.9987	142.2
Au2427_A		490.1	ug/L	3.496	0.7134	1,723
B_2089_A		498.8	ug/L	0.5615	0.1126	469.7
Ba4554_R		508.8	ug/L	3.867	0.7601	10,670
Be3130_R		498.8	ug/L	6.762	1.356	21,310
Ca3158_R		12,730	ug/L	126.9	0.9971	8,313
Cd2265_A		497.2	ug/L	0.3376	0.06791	7,446
Co2286_A		503.2	ug/L	0.6920	0.1375	1,746
Cr2677_A		501.6	ug/L	2.702	0.5387	7,126
Cu3273_A		506.5	ug/L	1.880	0.3713	6,406
Fe2599_R		12,470	ug/L	176.8	1.418	10,580
K_7664_R		12,270	ug/L	155.9	1.270	4,329
Li6707_R		500.9	ug/L	4.694	0.9372	2,900
Mg2025_A		12,620	ug/L	5.962	0.04726	2,239
Mn2576_R		502.7	ug/L	5.080	1.011	2,358
Mo2020_A		496.4	ug/L	1.231	0.2480	994.6
Na5895_R		12,360	ug/L	114.5	0.9265	10,770
Ni2316_A		504.7	ug/L	1.886	0.3738	1,021
Pb2203_A		502.0	ug/L	0.4690	0.09343	565.2
Sb2068_A		497.2	ug/L	3.274	0.6585	157.8
Se1960_A		492.6	ug/L	5.452	1.107	94.12
Si2516_R		12,230	ug/L	109.5	0.8953	2,973
Sn1899_A		494.7	ug/L	0.6130	0.1239	271.0
Sr4215_R		497.4	ug/L	4.639	0.9326	14,700
Ti3349_A		497.6	ug/L	0.5523	0.1110	12,750
Tl1908_A		503.9	ug/L	2.593	0.5146	241.0
V_2924_A		500.8	ug/L	2.226	0.4444	6,652
Zn2062_A		494.7	ug/L	0.7909	0.1599	1,699
Bi2230_A		512.4	ug/L	2.850	0.5562	228.7
Y_3600_R		8,842.9	Cts/S	129.90	1.4690	8,842.9
Y_2243_A		7,256.5	Cts/S	1.3179	0.018161	7,256.5
Y_3600_A		189,340	Cts/S	59.013	0.031169	189,340

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:58:38PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.008716	ug/L	0.4874	5,592	-22.76
Al3961_R		-0.8520	ug/L	26.93	3,161	-13.63
As1891_A		-1.158	ug/L	1.979	170.8	-1.417
Au2427_A		0.5146	ug/L	0.1609	31.26	-0.2625
B_2089_A		0.3247	ug/L	0.1534	47.24	3.594
Ba4554_R		0.0007857	ug/L	0.1760	22,410	44.40
Be3130_R		0.006500	ug/L	0.006524	100.4	-1.767
Ca3158_R		-4.609	ug/L	1.906	41.36	-8.030
Cd2265_A		0.06214	ug/L	0.005620	9.045	-0.03556
Co2286_A		-0.1067	ug/L	0.2469	231.4	9.334
Cr2677_A		0.05485	ug/L	0.06273	114.4	10.29
Cu3273_A		1.059	ug/L	0.04540	4.289	21.19
Fe2599_R		2.382	ug/L	0.08546	3.589	7.937
K_7664_R		-101.9	ug/L	28.58	28.06	-27.17
Li6707_R		2.945	ug/L	0.03104	1.054	40.56
Mg2025_A		2.789	ug/L	1.963	70.36	-0.06873
Mn2576_R		0.1994	ug/L	0.4604	230.9	0.1497

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 6:58:38PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-0.006829	ug/L	0.2809	4,113	3.974
Na5895_R		1.501	ug/L	0.1842	12.27	-147.9
Ni2316_A		0.2250	ug/L	0.1901	84.50	-0.4244
Pb2203_A		0.1388	ug/L	1.410	1,016	0.8122
Sb2068_A		-1.419	ug/L	0.9480	66.82	0.5038
Se1960_A		-0.7833	ug/L	1.495	190.9	-1.061
Si2516_R		-4.923	ug/L	9.277	188.5	6.530
Sn1899_A		0.05526	ug/L	0.2796	506.0	0.2525
Sr4215_R		-0.4900	ug/L	0.1210	24.69	-55.37
Ti3349_A		-0.3377	ug/L	0.4520	133.8	-12.37
Tl1908_A		0.07156	ug/L	0.3940	550.7	0.3467
V_2924_A		0.1024	ug/L	0.2381	232.5	-0.001377
Zn2062_A		2.339	ug/L	0.1399	5.979	9.831
Bi2230_A		2.336	ug/L	0.9494	40.63	7.427
Y_3600_R		8,661.5	Cts/S	23.775	0.27449	8,661.5
Y_2243_A		7,247.7	Cts/S	24.956	0.34433	7,247.7
Y_3600_A		192,160	Cts/S	368.83	0.19193	192,160

SG5016-004

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:03:10PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.07648	ug/L	0.2030	265.4	-38.96
Al3961_R		50.91	ug/L	1.980	3.888	2.634
As1891_A		-2.326	ug/L	1.611	69.25	-1.863
Au2427_A		8.196	ug/L	1.037	12.65	98.61
B_2089_A		13.68	ug/L	0.2367	1.730	15.32
Ba4554_R		17.40	ug/L	0.1537	0.8834	401.7
Be3130_R		-0.1107	ug/L	0.1330	120.2	-6.660
Ca3158_R		68,250	ug/L	203.4	0.2980	43,830
Cd2265_A		0.03086	ug/L	0.04142	134.2	2.354
Co2286_A		-0.3759	ug/L	0.1616	43.00	8.328
Cr2677_A		1.710	ug/L	0.3551	20.77	39.03
Cu3273_A		2.270	ug/L	0.3839	16.92	34.38
Fe2599_R		3,656	ug/L	1.111	0.03040	3,052
K_7664_R		4,348	ug/L	6.906	0.1588	1,513
Li6707_R		15.07	ug/L	1.091	7.236	109.1
Mg2025_A		10,930	ug/L	14.82	0.1356	1,884
Mn2576_R		3,998	ug/L	13.60	0.3401	18,430
Mo2020_A		-0.08374	ug/L	0.02433	29.06	3.751
Na5895_R		54,330	ug/L	199.5	0.3673	47,030
Ni2316_A		0.3059	ug/L	0.2779	90.83	-0.5323
Pb2203_A		-0.2041	ug/L	1.998	978.8	0.7020
Sb2068_A		0.4563	ug/L	1.942	425.6	1.121
Se1960_A		0.8979	ug/L	0.03345	3.725	-0.3312
Si2516_R		6,459	ug/L	9.220	0.1427	1,547
Sn1899_A		0.7969	ug/L	0.7273	91.26	0.6462
Sr4215_R		249.0	ug/L	0.7892	0.3169	7,211
Ti3349_A		-1.013	ug/L	0.1985	19.60	-28.73
Tl1908_A		3.580	ug/L	0.08939	2.497	-4.015
V_2924_A		0.6029	ug/L	0.2120	35.17	-6.937
Zn2062_A		1.301	ug/L	0.01546	1.189	6.145
Bi2230_A		1.694	ug/L	0.03598	2.123	7.155
Y_3600_R		8,690.3	Cts/S	28.537	0.32837	8,690.3
Y_2243_A		7,114.4	Cts/S	4.2989	0.060425	7,114.4
Y_3600_A		184,540	Cts/S	226.98	0.12300	184,540

SG5016-005

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:07:40PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2168	ug/L	0.4278	197.3	-18.51
Al3961_R		21.90	ug/L	13.03	59.48	-6.563
As1891_A		-0.2705	ug/L	0.2535	93.71	-1.163
Au2427_A		0.1982	ug/L	1.484	748.5	-1.349
B_2089_A		3.863	ug/L	1.021	26.42	6.927
Ba4554_R		5.872	ug/L	0.4081	6.950	167.5
Be3130_R		-0.1388	ug/L	0.09691	69.80	-7.965
Ca3158_R		13,740	ug/L	108.9	0.7922	8,949
Cd2265_A		0.05607	ug/L	0.02222	39.64	-0.1232
Co2286_A		-0.2534	ug/L	0.1784	70.41	8.884
Cr2677_A		0.8403	ug/L	0.3200	38.08	21.52
Cu3273_A		1.500	ug/L	0.03911	2.607	26.79
Fe2599_R		7.875	ug/L	3.119	39.61	12.72
K_7664_R		1,345	ug/L	19.53	1.453	480.3
Li6707_R		7.738	ug/L	0.5002	6.464	68.72
Mg2025_A		1,683	ug/L	4.279	0.2543	297.1
Mn2576_R		0.7114	ug/L	0.5451	76.63	2.544
Mo2020_A		2.993	ug/L	0.1328	4.438	10.02
Na5895_R		7,075	ug/L	24.54	0.3469	6,081
Ni2316_A		0.1937	ug/L	0.3120	161.1	-0.4830
Pb2203_A		-1.000	ug/L	0.4313	43.11	-0.4806
Sb2068_A		0.07819	ug/L	0.7042	900.5	0.9813
Se1960_A		-3.438	ug/L	2.463	71.65	-1.583
Si2516_R		6,202	ug/L	21.70	0.3498	1,507
Sn1899_A		0.7578	ug/L	0.06578	8.680	0.6411
Sr4215_R		51.19	ug/L	0.3877	0.7573	1,471
Ti3349_A		-0.7082	ug/L	0.2832	39.99	-21.91
Tl1908_A		-1.196	ug/L	0.4051	33.87	-0.2636
V_2924_A		1.683	ug/L	0.1176	6.991	21.09
Zn2062_A		3.944	ug/L	0.04173	1.058	15.44
Bi2230_A		-0.4311	ug/L	0.8612	199.8	6.274
Y_3600_R		8,816.6	Cts/S	40.458	0.45888	8,816.6
Y_2243_A		7,296.4	Cts/S	8.5879	0.11770	7,296.4
Y_3600_A		191,490	Cts/S	857.69	0.44790	191,490

SG5016-005L

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:12:11PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.616	ug/L	1.083	67.00	-29.94
Al3961_R		-28.75	ug/L	5.099	17.74	-15.51
As1891_A		-10.35	ug/L	2.969	28.69	-1.705
Au2427_A		-2.408	ug/L	1.224	50.85	-3.758
B_2089_A		4.904	ug/L	1.894	38.61	4.215
Ba4554_R		5.779	ug/L	3.114	53.89	69.56
Be3130_R		-0.1211	ug/L	0.4915	405.9	-3.116
Ca3158_R		13,720	ug/L	176.5	1.286	1,791
Cd2265_A		0.1271	ug/L	0.05436	42.77	-0.5906
Co2286_A		-2.477	ug/L	2.686	108.4	8.096
Cr2677_A		1.768	ug/L	0.7703	43.56	14.79
Cu3273_A		9.627	ug/L	4.202	43.65	32.76
Fe2599_R		19.79	ug/L	12.80	64.70	9.454
K_7664_R		1,045	ug/L	86.03	8.235	81.86
Li6707_R		15.46	ug/L	0.1753	1.134	42.31
Mg2025_A		1,703	ug/L	6.144	0.3608	59.99
Mn2576_R		1.577	ug/L	1.506	95.52	0.7001

SG5016-005L

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:12:11PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-3.292	ug/L	0.6283	19.09	2.710
Na5895_R		7,126	ug/L	148.3	2.081	1,108
Ni2316_A		0.6795	ug/L	0.02148	3.161	-0.6132
Pb2203_A		2.043	ug/L	3.805	186.2	1.134
Sb2068_A		7.776	ug/L	1.550	19.94	1.458
Se1960_A		-13.30	ug/L	4.957	37.27	-1.441
Si2516_R		6,130	ug/L	20.67	0.3373	305.5
Sn1899_A		3.180	ug/L	0.3539	11.13	0.5774
Sr4215_R		51.30	ug/L	3.921	7.643	262.4
Ti3349_A		-2.352	ug/L	0.7451	31.68	-16.04
Tl1908_A		-1.473	ug/L	3.041	206.4	0.1728
V_2924_A		0.3149	ug/L	0.5157	163.8	-0.4910
Zn2062_A		7.409	ug/L	0.4514	6.092	6.974
Bi2230_A		1.109	ug/L	6.829	615.6	6.596
Y_3600_R		8,855.0	Cts/S	9.7015	0.10956	8,855.0
Y_2243_A		7,338.9	Cts/S	5.4606	0.074406	7,338.9
Y_3600_A		194,860	Cts/S	1,207.6	0.61973	194,860

SG5016-005S

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:16:44PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.57	ug/L	0.1917	0.3646	1,028
Al3961_R		2,038	ug/L	33.16	1.627	649.2
As1891_A		97.64	ug/L	1.666	1.707	27.62
Au2427_A		1.083	ug/L	0.9578	88.44	11.89
B_2089_A		514.9	ug/L	1.256	0.2440	477.6
Ba4554_R		2,066	ug/L	28.68	1.388	43,570
Be3130_R		51.86	ug/L	0.2110	0.4069	2,228
Ca3158_R		15,930	ug/L	176.1	1.106	10,500
Cd2265_A		250.2	ug/L	0.7900	0.3157	3,743
Co2286_A		523.3	ug/L	0.5310	0.1015	1,815
Cr2677_A		208.9	ug/L	0.4090	0.1957	2,984
Cu3273_A		265.5	ug/L	0.9979	0.3759	3,365
Fe2599_R		1,020	ug/L	5.367	0.5260	878.6
K_7664_R		11,300	ug/L	66.10	0.5850	4,022
Li6707_R		507.9	ug/L	2.258	0.4447	2,965
Mg2025_A		6,740	ug/L	8.600	0.1276	1,205
Mn2576_R		508.0	ug/L	2.909	0.5727	2,402
Mo2020_A		305.4	ug/L	2.266	0.7421	613.3
Na5895_R		14,280	ug/L	226.2	1.584	12,570
Ni2316_A		521.8	ug/L	2.368	0.4538	1,057
Pb2203_A		103.3	ug/L	0.9211	0.8920	116.5
Sb2068_A		100.2	ug/L	2.380	2.375	31.39
Se1960_A		98.49	ug/L	0.2122	0.2155	18.12
Si2516_R		10,650	ug/L	53.18	0.4996	2,612
Sn1899_A		505.1	ug/L	1.753	0.3471	276.6
Sr4215_R		550.1	ug/L	5.641	1.025	16,400
Ti3349_A		507.5	ug/L	3.994	0.7871	13,040
Tl1908_A		100.0	ug/L	0.2873	0.2872	47.49
V_2924_A		520.5	ug/L	1.405	0.2699	6,978
Zn2062_A		517.9	ug/L	0.8208	0.1585	1,780
Bi2230_A		-1.394	ug/L	2.699	193.6	5.899
Y_3600_R		8,918.7	Cts/S	8.9319	0.10015	8,918.7
Y_2243_A		7,256.3	Cts/S	1.7186	0.023685	7,256.3
Y_3600_A		189,920	Cts/S	536.66	0.28257	189,920

SG5016-005P

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:21:10PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.74	ug/L	1.382	2.620	1,023
Al3961_R		2,092	ug/L	20.35	0.9730	664.9
As1891_A		98.27	ug/L	0.1262	0.1285	27.77
Au2427_A		1.532	ug/L	0.5643	36.84	13.64
B_2089_A		521.8	ug/L	1.549	0.2969	483.4
Ba4554_R		2,102	ug/L	1.917	0.09119	44,220
Be3130_R		52.88	ug/L	0.2154	0.4072	2,266
Ca3158_R		15,940	ug/L	2.185	0.01371	10,470
Cd2265_A		250.9	ug/L	0.5994	0.2389	3,749
Co2286_A		527.0	ug/L	3.323	0.6304	1,826
Cr2677_A		210.9	ug/L	2.324	1.102	2,990
Cu3273_A		268.6	ug/L	3.719	1.384	3,380
Fe2599_R		1,048	ug/L	7.699	0.7346	899.9
K_7664_R		11,480	ug/L	21.62	0.1883	4,076
Li6707_R		517.5	ug/L	0.1479	0.02858	3,013
Mg2025_A		6,733	ug/L	22.89	0.3400	1,202
Mn2576_R		517.8	ug/L	0.7715	0.1490	2,442
Mo2020_A		309.9	ug/L	2.668	0.8607	621.6
Na5895_R		14,350	ug/L	23.53	0.1640	12,600
Ni2316_A		522.3	ug/L	1.242	0.2378	1,056
Pb2203_A		102.2	ug/L	0.7570	0.7405	115.2
Sb2068_A		102.6	ug/L	0.5538	0.5396	32.10
Se1960_A		103.5	ug/L	2.759	2.666	19.06
Si2516_R		10,790	ug/L	12.40	0.1150	2,640
Sn1899_A		511.2	ug/L	2.297	0.4492	279.7
Sr4215_R		559.7	ug/L	0.6124	0.1094	16,640
Ti3349_A		514.0	ug/L	7.108	1.383	13,110
Tl1908_A		101.3	ug/L	1.441	1.423	48.02
V_2924_A		525.5	ug/L	7.723	1.470	6,992
Zn2062_A		527.4	ug/L	2.715	0.5149	1,810
Bi2230_A		-1.786	ug/L	4.166	233.3	5.722
Y_3600_R		8,895.4	Cts/S	69.737	0.78397	8,895.4
Y_2243_A		7,247.5	Cts/S	24.225	0.33425	7,247.5
Y_3600_A		188,510	Cts/S	1,365.9	0.72460	188,510

SG5016-006

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:25:37PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.7627	ug/L	0.4471	58.63	-38.70
Al3961_R		38.23	ug/L	5.834	15.26	-1.326
As1891_A		-2.095	ug/L	1.391	66.38	-1.702
Au2427_A		-0.8943	ug/L	0.1137	12.71	-5.087
B_2089_A		3.498	ug/L	0.4947	14.14	6.590
Ba4554_R		4.152	ug/L	0.2166	5.217	130.7
Be3130_R		-0.07377	ug/L	0.07734	104.8	-5.192
Ca3158_R		13,060	ug/L	56.08	0.4293	8,445
Cd2265_A		0.02729	ug/L	0.001074	3.937	-0.5151
Co2286_A		-0.3488	ug/L	0.02838	8.138	8.571
Cr2677_A		1.091	ug/L	0.2280	20.91	25.19
Cu3273_A		1.827	ug/L	0.2459	13.46	30.99
Fe2599_R		56.76	ug/L	5.593	9.853	53.65
K_7664_R		1,353	ug/L	27.43	2.027	479.9
Li6707_R		1.677	ug/L	1.320	78.69	33.82
Mg2025_A		2,312	ug/L	5.684	0.2459	408.3
Mn2576_R		1.365	ug/L	0.1679	12.30	5.573

SG5016-006

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:25:37PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		2.705	ug/L	0.1196	4.423	9.445
Na5895_R		5,520	ug/L	35.50	0.6430	4,678
Ni2316_A		0.3969	ug/L	0.2609	65.75	-0.07245
Pb2203_A		0.5956	ug/L	0.1030	17.29	1.332
Sb2068_A		0.6694	ug/L	0.9961	148.8	1.172
Se1960_A		-2.456	ug/L	0.2696	10.97	-1.393
Si2516_R		6,924	ug/L	3.328	0.04807	1,670
Sn1899_A		0.8603	ug/L	0.2513	29.22	0.6972
Sr4215_R		49.01	ug/L	0.1137	0.2320	1,396
Ti3349_A		1.037	ug/L	0.4229	40.78	23.36
Tl1908_A		-0.2481	ug/L	0.9085	366.2	0.1926
V_2924_A		1.271	ug/L	0.1831	14.41	15.57
Zn2062_A		4.677	ug/L	0.06768	1.447	17.97
Bi2230_A		-0.1840	ug/L	1.215	660.2	6.387
Y_3600_R		8,753.7	Cts/S	57.869	0.66107	8,753.7
Y_2243_A		7,298.2	Cts/S	43.114	0.59075	7,298.2
Y_3600_A		192,000	Cts/S	344.45	0.17941	192,000

SG5016-007

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:30:09PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5638	ug/L	0.2505	44.43	-34.40
Al3961_R		39.74	ug/L	1.034	2.602	-0.8689
As1891_A		0.1048	ug/L	0.1281	122.3	-1.052
Au2427_A		-1.100	ug/L	0.4890	44.44	-5.779
B_2089_A		3.710	ug/L	0.3257	8.779	6.706
Ba4554_R		2.863	ug/L	0.1567	5.474	103.5
Be3130_R		-0.09069	ug/L	0.01785	19.69	-5.884
Ca3158_R		13,670	ug/L	98.27	0.7186	8,791
Cd2265_A		0.04511	ug/L	0.05761	127.7	-0.2563
Co2286_A		-0.2907	ug/L	0.01330	4.578	8.738
Cr2677_A		1.143	ug/L	0.08768	7.674	25.78
Cu3273_A		2.544	ug/L	0.7475	29.39	39.97
Fe2599_R		48.12	ug/L	0.1872	0.3891	46.14
K_7664_R		1,478	ug/L	24.22	1.638	520.5
Li6707_R		0.4134	ug/L	1.617	391.2	26.48
Mg2025_A		1,160	ug/L	3.955	0.3410	203.9
Mn2576_R		2.780	ug/L	0.5537	19.92	12.08
Mo2020_A		1.174	ug/L	0.01752	1.493	6.351
Na5895_R		8,159	ug/L	65.65	0.8047	6,946
Ni2316_A		0.3526	ug/L	0.1800	51.06	-0.1678
Pb2203_A		-0.1435	ug/L	0.9025	628.9	0.4897
Sb2068_A		-0.4216	ug/L	0.4700	111.5	0.8231
Se1960_A		0.7300	ug/L	1.449	198.5	-0.7735
Si2516_R		3,548	ug/L	20.90	0.5892	854.5
Sn1899_A		0.6673	ug/L	0.2260	33.87	0.5898
Sr4215_R		58.87	ug/L	0.7618	1.294	1,676
Ti3349_A		0.4247	ug/L	0.03941	9.280	7.404
Tl1908_A		0.4871	ug/L	0.2590	53.18	0.5421
V_2924_A		0.4092	ug/L	0.1796	43.88	3.951
Zn2062_A		3.600	ug/L	0.1575	4.374	14.20
Bi2230_A		0.8214	ug/L	2.239	272.6	6.797
Y_3600_R		8,703.9	Cts/S	47.127	0.54145	8,703.9
Y_2243_A		7,273.9	Cts/S	41.174	0.56605	7,273.9
Y_3600_A		190,830	Cts/S	106.82	0.055978	190,830

SG5016-008

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:34:40PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2089	ug/L	0.5842	279.7	-40.07
Al3961_R		2,883	ug/L	43.96	1.525	914.7
As1891_A		-1.726	ug/L	0.5577	32.32	-1.722
Au2427_A		0.02870	ug/L	0.2487	866.6	2.321
B_2089_A		2.192	ug/L	0.3845	17.54	5.275
Ba4554_R		19.68	ug/L	0.7927	4.028	458.7
Be3130_R		-0.05018	ug/L	0.07845	156.3	-7.831
Ca3158_R		10,970	ug/L	75.09	0.6845	7,200
Cd2265_A		-0.08372	ug/L	0.01373	16.40	0.1169
Co2286_A		0.7691	ug/L	0.1156	15.03	13.52
Cr2677_A		5.252	ug/L	0.2606	4.961	85.04
Cu3273_A		4.428	ug/L	0.1615	3.646	59.43
Fe2599_R		2,727	ug/L	32.48	1.191	2,329
K_7664_R		2,854	ug/L	109.7	3.844	1,019
Li6707_R		11.10	ug/L	1.821	16.40	88.69
Mg2025_A		3,488	ug/L	0.7236	0.02075	617.5
Mn2576_R		38.18	ug/L	0.4636	1.214	179.4
Mo2020_A		-1.323	ug/L	0.3631	27.44	1.362
Na5895_R		5,846	ug/L	40.42	0.6914	5,038
Ni2316_A		2.769	ug/L	0.01194	0.4313	4.550
Pb2203_A		2.204	ug/L	0.5261	23.88	2.900
Sb2068_A		-0.3392	ug/L	0.8230	242.6	0.9200
Se1960_A		-0.5705	ug/L	2.018	353.7	-1.026
Si2516_R		11,910	ug/L	185.9	1.561	2,910
Sn1899_A		1.122	ug/L	0.6027	53.72	0.8435
Sr4215_R		55.82	ug/L	0.6512	1.167	1,621
Ti3349_A		124.1	ug/L	5.155	4.154	3,213
Tl1908_A		-0.5811	ug/L	0.08977	15.45	-0.08048
V_2924_A		4.911	ug/L	0.1427	2.906	66.56
Zn2062_A		11.35	ug/L	0.00001575	0.0001388	41.06
Bi2230_A		1.793	ug/L	1.302	72.61	7.413
Y_3600_R		8,887.2	Cts/S	15.693	0.17658	8,887.2
Y_2243_A		7,311.0	Cts/S	12.471	0.17058	7,311.0
Y_3600_A		191,610	Cts/S	582.19	0.30384	191,610

SG5016-009

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:39:10PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.02949	ug/L	0.4388	1,488	-22.62
Al3961_R		-24.81	ug/L	6.046	24.37	-21.45
As1891_A		-2.601	ug/L	1.300	49.99	-1.868
Au2427_A		-0.1558	ug/L	1.416	909.1	-2.637
B_2089_A		-0.4780	ug/L	0.6193	129.6	2.864
Ba4554_R		0.7030	ug/L	0.3979	56.61	59.62
Be3130_R		-0.1347	ug/L	0.03547	26.33	-7.787
Ca3158_R		11.42	ug/L	6.018	52.71	2.275
Cd2265_A		0.03080	ug/L	0.01664	54.03	-0.5136
Co2286_A		-0.3630	ug/L	0.1051	28.95	8.584
Cr2677_A		0.3784	ug/L	0.2456	64.90	15.12
Cu3273_A		0.8218	ug/L	0.4364	53.10	18.37
Fe2599_R		0.3244	ug/L	5.193	1,601	6.301
K_7664_R		-97.09	ug/L	22.99	23.68	-25.83
Li6707_R		-0.3444	ug/L	0.1240	36.00	22.38
Mg2025_A		8.108	ug/L	2.833	34.95	0.8610
Mn2576_R		-0.5497	ug/L	0.2825	51.39	-3.340

SG5016-009

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:39:10PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-1.577	ug/L	0.03076	1.951	0.8592
Na5895_R		25.90	ug/L	10.74	41.46	-128.6
Ni2316_A		-0.04257	ug/L	0.6079	1,428	-0.9855
Pb2203_A		0.8333	ug/L	0.004039	0.4847	1.629
Sb2068_A		-1.772	ug/L	1.230	69.45	0.3970
Se1960_A		-1.214	ug/L	3.120	256.9	-1.164
Si2516_R		13.94	ug/L	2.603	18.67	11.17
Sn1899_A		1.292	ug/L	0.1537	11.90	0.9435
Sr4215_R		-0.2647	ug/L	0.2453	92.66	-49.49
Ti3349_A		-0.3659	ug/L	0.2582	70.56	-13.30
Tl1908_A		-0.2409	ug/L	0.1504	62.43	0.2011
V_2924_A		-0.1808	ug/L	0.04644	25.68	-3.754
Zn2062_A		1.916	ug/L	0.05995	3.129	8.508
Bi2230_A		0.3221	ug/L	2.281	708.1	6.660
Y_3600_R		8,783.2	Cts/S	62.390	0.71033	8,783.2
Y_2243_A		7,362.6	Cts/S	18.869	0.25628	7,362.6
Y_3600_A		194,470	Cts/S	458.66	0.23585	194,470

SG5020-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:43:42PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1243	ug/L	0.1450	116.6	-20.65
Al3961_R		-6.970	ug/L	42.46	609.2	-15.77
As1891_A		-1.518	ug/L	0.5876	38.71	-1.545
Au2427_A		0.5940	ug/L	0.6592	111.0	0.0009886
B_2089_A		1.047	ug/L	0.03268	3.120	4.247
Ba4554_R		2.327	ug/L	0.1750	7.521	93.13
Be3130_R		-0.04260	ug/L	0.09260	217.4	-3.872
Ca3158_R		79.22	ug/L	2.299	2.902	46.21
Cd2265_A		-0.03346	ug/L	0.03933	117.5	-1.493
Co2286_A		-0.4048	ug/L	0.03795	9.374	8.432
Cr2677_A		-0.06741	ug/L	0.2030	301.1	8.637
Cu3273_A		0.7071	ug/L	0.2265	32.03	16.90
Fe2599_R		-4.446	ug/L	1.394	31.36	2.296
K_7664_R		-73.23	ug/L	17.41	23.77	-17.49
Li6707_R		1.355	ug/L	0.5689	41.99	32.02
Mg2025_A		15.46	ug/L	1.376	8.904	2.168
Mn2576_R		-0.08612	ug/L	0.8276	961.1	-1.177
Mo2020_A		-1.765	ug/L	0.1561	8.841	0.4760
Na5895_R		346.6	ug/L	6.195	1.787	152.7
Ni2316_A		0.2928	ug/L	0.4002	136.7	-0.2957
Pb2203_A		-0.3588	ug/L	0.1475	41.12	0.2611
Sb2068_A		2.199	ug/L	1.278	58.14	1.662
Se1960_A		-2.278	ug/L	0.2324	10.20	-1.370
Si2516_R		93.16	ug/L	4.855	5.212	30.20
Sn1899_A		1.711	ug/L	0.3246	18.97	1.175
Sr4215_R		2.301	ug/L	0.07075	3.075	25.97
Ti3349_A		-0.4586	ug/L	0.3668	80.00	-15.76
Tl1908_A		-0.9022	ug/L	0.8523	94.47	-0.1217
V_2924_A		-0.02154	ug/L	0.1479	686.7	-1.509
Zn2062_A		1.687	ug/L	0.01845	1.094	7.708
Bi2230_A		0.3114	ug/L	1.229	394.7	6.652
Y_3600_R		8,769.9	Cts/S	11.729	0.13374	8,769.9
Y_2243_A		7,356.7	Cts/S	21.427	0.29126	7,356.7
Y_3600_A		194,690	Cts/S	541.60	0.27818	194,690

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:48:14PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		503.1	ug/L	2.175	0.4323	9,991
Al3961_R		12,450	ug/L	50.75	0.4075	3,937
As1891_A		489.0	ug/L	2.784	0.5693	141.1
Au2427_A		489.1	ug/L	5.395	1.103	1,711
B_2089_A		499.3	ug/L	1.397	0.2798	467.9
Ba4554_R		505.1	ug/L	1.954	0.3869	10,470
Be3130_R		493.5	ug/L	0.5778	0.1171	20,840
Ca3158_R		12,680	ug/L	23.95	0.1888	8,185
Cd2265_A		496.1	ug/L	1.655	0.3336	7,394
Co2286_A		502.9	ug/L	1.345	0.2674	1,737
Cr2677_A		499.1	ug/L	2.147	0.4302	7,070
Cu3273_A		504.3	ug/L	2.189	0.4342	6,359
Fe2599_R		12,400	ug/L	2.464	0.01988	10,390
K_7664_R		12,250	ug/L	38.30	0.3126	4,271
Li6707_R		497.8	ug/L	1.282	0.2575	2,848
Mg2025_A		12,610	ug/L	40.87	0.3241	2,227
Mn2576_R		500.7	ug/L	0.4905	0.09797	2,321
Mo2020_A		494.6	ug/L	4.535	0.9167	986.4
Na5895_R		12,390	ug/L	96.15	0.7757	10,670
Ni2316_A		502.9	ug/L	1.691	0.3364	1,013
Pb2203_A		501.7	ug/L	4.487	0.8944	562.2
Sb2068_A		496.0	ug/L	1.079	0.2176	156.6
Se1960_A		488.9	ug/L	8.024	1.641	92.94
Si2516_R		12,110	ug/L	39.58	0.3268	2,911
Sn1899_A		494.5	ug/L	2.434	0.4922	269.6
Sr4215_R		493.4	ug/L	2.624	0.5318	14,410
Ti3349_A		495.7	ug/L	0.4604	0.09288	12,660
Tl1908_A		502.9	ug/L	2.597	0.5163	239.4
V_2924_A		497.8	ug/L	2.534	0.5090	6,591
Zn2062_A		493.9	ug/L	2.272	0.4599	1,688
Bi2230_A		511.5	ug/L	2.846	0.5564	227.2
Y_3600_R		8,737.9	Cts/S	45.972	0.52612	8,737.9
Y_2243_A		7,221.3	Cts/S	20.208	0.27984	7,221.3
Y_3600_A		188,780	Cts/S	1,548.4	0.82025	188,780

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:52:36PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.08195	ug/L	0.3386	413.2	-24.59
Al3961_R		12.25	ug/L	22.23	181.5	-9.519
As1891_A		-0.2950	ug/L	1.533	519.8	-1.161
Au2427_A		1.427	ug/L	1.042	72.97	2.895
B_2089_A		0.08817	ug/L	0.05904	66.96	3.370
Ba4554_R		0.3916	ug/L	0.02590	6.614	52.59
Be3130_R		0.06363	ug/L	0.003686	5.793	0.6237
Ca3158_R		2.131	ug/L	0.2167	10.17	-3.728
Cd2265_A		0.03878	ug/L	0.04714	121.6	-0.3835
Co2286_A		-0.4814	ug/L	0.02044	4.247	8.030
Cr2677_A		0.3295	ug/L	0.2082	63.19	14.23
Cu3273_A		0.6998	ug/L	0.4322	61.77	16.55
Fe2599_R		0.5445	ug/L	0.8014	147.2	6.432
K_7664_R		-80.34	ug/L	0.8458	1.053	-19.80
Li6707_R		1.628	ug/L	0.03052	1.875	33.28
Mg2025_A		1.251	ug/L	1.451	116.0	-0.3524
Mn2576_R		0.07599	ug/L	0.6345	834.9	-0.4267

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:52:36PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-0.1566	ug/L	0.4283	273.5	3.670
Na5895_R		15.76	ug/L	11.99	76.07	-136.1
Ni2316_A		0.03710	ug/L	0.1482	399.5	-0.8028
Pb2203_A		-0.1733	ug/L	0.9071	523.4	0.4580
Sb2068_A		1.567	ug/L	0.3670	23.42	1.442
Se1960_A		0.1234	ug/L	1.746	1,414	-0.8847
Si2516_R		3.959	ug/L	9.854	248.9	8.682
Sn1899_A		0.1034	ug/L	1.110	1,073	0.2774
Sr4215_R		-0.1052	ug/L	0.3216	305.7	-44.33
Ti3349_A		-0.01860	ug/L	0.02364	127.0	-4.081
Tl1908_A		0.3690	ug/L	0.2924	79.24	0.4870
V_2924_A		0.4044	ug/L	0.3573	88.35	4.117
Zn2062_A		2.406	ug/L	0.03791	1.575	10.04
Bi2230_A		-0.7073	ug/L	1.743	246.5	6.099
Y_3600_R		8,693.1	Cts/S	64.781	0.74520	8,693.1
Y_2243_A		7,232.7	Cts/S	24.655	0.34089	7,232.7
Y_3600_A		191,950	Cts/S	22.290	0.011612	191,950

SG5020-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 7:57:07PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4358	ug/L	0.6107	140.1	-14.24
Al3961_R		-2.833	ug/L	14.93	526.9	-14.24
As1891_A		-1.384	ug/L	0.3151	22.76	-1.513
Au2427_A		-1.283	ug/L	0.02043	1.592	-6.616
B_2089_A		4.953	ug/L	0.3373	6.809	7.879
Ba4554_R		25.07	ug/L	0.02550	0.1017	556.2
Be3130_R		-0.06125	ug/L	0.05679	92.72	-4.588
Ca3158_R		124.5	ug/L	6.264	5.032	74.45
Cd2265_A		-0.04174	ug/L	0.04187	100.3	-1.620
Co2286_A		-0.3709	ug/L	0.06314	17.03	8.597
Cr2677_A		-0.1642	ug/L	0.1217	74.08	7.206
Cu3273_A		1.257	ug/L	0.4436	35.30	23.97
Fe2599_R		2.605	ug/L	2.770	106.4	8.101
K_7664_R		-71.82	ug/L	29.48	41.04	-16.73
Li6707_R		1.216	ug/L	2.459	202.3	30.75
Mg2025_A		16.38	ug/L	3.160	19.29	2.349
Mn2576_R		0.7416	ug/L	0.5974	80.56	2.645
Mo2020_A		-1.125	ug/L	0.07209	6.406	1.781
Na5895_R		392.4	ug/L	6.998	1.783	190.0
Ni2316_A		0.5963	ug/L	0.2564	43.01	0.3315
Pb2203_A		0.1807	ug/L	0.1228	67.92	0.8820
Sb2068_A		-0.01797	ug/L	1.343	7,472	0.9612
Se1960_A		-1.071	ug/L	1.188	111.0	-1.140
Si2516_R		102.2	ug/L	2.209	2.162	31.90
Sn1899_A		0.8566	ug/L	0.7291	85.12	0.7048
Sr4215_R		7.966	ug/L	0.01920	0.2410	189.7
Ti3349_A		-0.3724	ug/L	0.03522	9.457	-13.43
Tl1908_A		-0.2650	ug/L	0.8695	328.2	0.1881
V_2924_A		0.06233	ug/L	0.04966	79.67	-0.4160
Zn2062_A		18.33	ug/L	0.03294	0.1797	66.01
Bi2230_A		0.5393	ug/L	2.455	455.2	6.787
Y_3600_R		8,645.0	Cts/S	43.807	0.50673	8,645.0
Y_2243_A		7,396.0	Cts/S	3.4768	0.047010	7,396.0
Y_3600_A		194,110	Cts/S	755.10	0.38901	194,110

SG5020-003

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:01:39PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1860	ug/L	0.02690	14.46	-27.04
Al3961_R		4.814	ug/L	1.368	28.42	-12.16
As1891_A		-2.124	ug/L	0.9034	42.53	-1.725
Au2427_A		-0.4322	ug/L	0.1999	46.26	-3.609
B_2089_A		1.640	ug/L	0.06826	4.161	4.801
Ba4554_R		2.321	ug/L	0.9409	40.53	94.27
Be3130_R		-0.2018	ug/L	0.03226	15.99	-10.76
Ca3158_R		111.4	ug/L	4.416	3.964	67.90
Cd2265_A		-0.03768	ug/L	0.008359	22.19	-1.550
Co2286_A		-0.1115	ug/L	0.2680	240.4	9.468
Cr2677_A		0.4149	ug/L	0.2453	59.12	15.64
Cu3273_A		0.5422	ug/L	0.09987	18.42	14.71
Fe2599_R		2.903	ug/L	0.6856	23.62	8.582
K_7664_R		-92.76	ug/L	37.90	40.86	-24.54
Li6707_R		3.214	ug/L	0.2185	6.798	43.14
Mg2025_A		22.42	ug/L	2.333	10.41	3.422
Mn2576_R		-0.1570	ug/L	0.8434	537.0	-1.502
Mo2020_A		-1.500	ug/L	0.2028	13.52	1.017
Na5895_R		332.2	ug/L	13.36	4.023	141.8
Ni2316_A		0.6359	ug/L	0.2720	42.76	0.4138
Pb2203_A		0.9340	ug/L	0.3790	40.57	1.742
Sb2068_A		0.6632	ug/L	0.3622	54.60	1.175
Se1960_A		-0.4456	ug/L	0.06304	14.15	-1.012
Si2516_R		210.7	ug/L	0.2532	0.1202	59.17
Sn1899_A		1.226	ug/L	0.8570	69.93	0.9035
Sr4215_R		3.192	ug/L	0.09390	2.942	52.79
Ti3349_A		-0.2982	ug/L	0.1959	65.68	-11.50
Tl1908_A		0.01012	ug/L	0.6796	6,713	0.3245
V_2924_A		0.3158	ug/L	0.1659	52.53	3.089
Zn2062_A		6.592	ug/L	0.05165	0.7835	24.80
Bi2230_A		-0.5573	ug/L	4.082	732.5	6.263
Y_3600_R		8,877.8	Cts/S	89.888	1.0125	8,877.8
Y_2243_A		7,361.1	Cts/S	91.158	1.2384	7,361.1
Y_3600_A		194,270	Cts/S	740.75	0.38131	194,270

SG5020-004

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:06:12PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.06598	ug/L	0.05890	89.26	-21.89
Al3961_R		19.86	ug/L	18.11	91.19	-7.281
As1891_A		-0.5012	ug/L	0.2874	57.35	-1.242
Au2427_A		-1.762	ug/L	1.342	76.19	-8.291
B_2089_A		6.626	ug/L	0.6352	9.586	9.331
Ba4554_R		17.82	ug/L	0.1309	0.7342	418.0
Be3130_R		0.02323	ug/L	0.02156	92.80	-1.096
Ca3158_R		118.9	ug/L	0.5186	0.4360	72.61
Cd2265_A		0.01857	ug/L	0.06662	358.7	-0.7034
Co2286_A		0.01400	ug/L	0.2444	1,746	9.883
Cr2677_A		-0.03307	ug/L	0.1567	473.7	9.138
Cu3273_A		1.705	ug/L	0.2013	11.81	29.92
Fe2599_R		-2.884	ug/L	2.244	77.80	3.636
K_7664_R		-86.00	ug/L	20.09	23.36	-22.13
Li6707_R		-0.1108	ug/L	1.273	1,149	23.92
Mg2025_A		16.73	ug/L	1.359	8.121	2.408
Mn2576_R		-0.2447	ug/L	0.5662	231.4	-1.921

SG5020-004

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:06:12PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-1.709	ug/L	0.08721	5.104	0.5903
Na5895_R		393.0	ug/L	4.721	1.201	195.0
Ni2316_A		0.2370	ug/L	0.1198	50.56	-0.4095
Pb2203_A		-0.6595	ug/L	0.008192	1.242	-0.08805
Sb2068_A		0.5264	ug/L	1.874	356.0	1.133
Se1960_A		-4.350	ug/L	1.641	37.73	-1.772
Si2516_R		98.58	ug/L	6.813	6.911	31.79
Sn1899_A		0.4502	ug/L	0.1513	33.60	0.4749
Sr4215_R		2.694	ug/L	0.1986	7.373	37.89
Ti3349_A		-0.5508	ug/L	0.3876	70.37	-18.14
Tl1908_A		-1.318	ug/L	0.6299	47.78	-0.3209
V_2924_A		-0.4839	ug/L	0.2112	43.64	-7.904
Zn2062_A		13.61	ug/L	0.008534	0.06270	49.16
Bi2230_A		-0.8588	ug/L	0.9143	106.5	6.132
Y_3600_R		8,850.9	Cts/S	55.568	0.62782	8,850.9
Y_2243_A		7,347.8	Cts/S	40.243	0.54768	7,347.8
Y_3600_A		194,850	Cts/S	1,796.5	0.92202	194,850

SG5020-005

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:10:44PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4225	ug/L	0.1600	37.86	-36.02
Al3961_R		274.2	ug/L	15.69	5.720	72.69
As1891_A		-1.957	ug/L	3.605	184.2	-1.661
Au2427_A		-0.5328	ug/L	0.2338	43.89	1.423
B_2089_A		272.9	ug/L	2.049	0.7509	242.0
Ba4554_R		54.91	ug/L	0.8204	1.494	1,167
Be3130_R		-0.1865	ug/L	0.02458	13.18	-9.857
Ca3158_R		147,300	ug/L	1,161	0.7881	94,190
Cd2265_A		-0.03903	ug/L	0.003251	8.330	-0.4511
Co2286_A		-0.1607	ug/L	0.09982	62.12	8.938
Cr2677_A		1.118	ug/L	0.3318	29.67	24.90
Cu3273_A		3.009	ug/L	0.6003	19.95	44.01
Fe2599_R		1,364	ug/L	12.45	0.9123	1,138
K_7664_R		4,021	ug/L	74.46	1.852	1,394
Li6707_R		4.128	ug/L	1.970	47.71	47.28
Mg2025_A		6,270	ug/L	40.70	0.6491	1,071
Mn2576_R		206.5	ug/L	2.338	1.133	947.0
Mo2020_A		-0.7823	ug/L	0.2165	27.67	2.362
Na5895_R		8,278	ug/L	32.21	0.3891	7,009
Ni2316_A		0.3793	ug/L	0.2069	54.53	-0.2136
Pb2203_A		-0.2768	ug/L	0.3459	125.0	0.3996
Sb2068_A		-1.044	ug/L	1.139	109.0	0.6232
Se1960_A		0.8321	ug/L	0.9127	109.7	-0.7062
Si2516_R		1,288	ug/L	48.49	3.764	313.2
Sn1899_A		0.7627	ug/L	0.6609	86.66	0.6212
Sr4215_R		637.2	ug/L	4.254	0.6676	18,440
Ti3349_A		0.9644	ug/L	1.071	111.1	20.52
Tl1908_A		0.1657	ug/L	0.2049	123.7	0.07284
V_2924_A		0.8155	ug/L	0.06434	7.889	8.760
Zn2062_A		28.44	ug/L	0.1522	0.5350	96.67
Bi2230_A		0.7501	ug/L	1.332	177.6	6.613
Y_3600_R		8,654.7	Cts/S	161.68	1.8681	8,654.7
Y_2243_A		7,051.1	Cts/S	36.862	0.52278	7,051.1
Y_3600_A		184,240	Cts/S	736.26	0.39962	184,240

SG5020-006

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:15:14PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1903	ug/L	0.4513	237.2	-29.97
Al3961_R		107.3	ug/L	17.56	16.36	20.18
As1891_A		-1.454	ug/L	2.265	155.8	-1.501
Au2427_A		-0.2437	ug/L	1.066	437.3	2.000
B_2089_A		272.7	ug/L	0.3797	0.1393	241.5
Ba4554_R		55.61	ug/L	0.1394	0.2508	1,175
Be3130_R		-0.1669	ug/L	0.05006	29.98	-8.941
Ca3158_R		146,900	ug/L	755.5	0.5144	93,460
Cd2265_A		-0.05770	ug/L	0.01536	26.61	-0.9545
Co2286_A		0.05439	ug/L	0.03985	73.27	9.619
Cr2677_A		0.9238	ug/L	0.1418	15.35	22.06
Cu3273_A		3.422	ug/L	0.01556	0.4546	48.89
Fe2599_R		1,067	ug/L	6.416	0.6013	886.8
K_7664_R		4,087	ug/L	49.05	1.200	1,410
Li6707_R		4.608	ug/L	0.9756	21.17	49.64
Mg2025_A		6,290	ug/L	3.412	0.05426	1,073
Mn2576_R		205.5	ug/L	0.5237	0.2548	938.0
Mo2020_A		-0.8637	ug/L	0.01318	1.526	2.202
Na5895_R		8,308	ug/L	22.67	0.2729	7,000
Ni2316_A		0.9537	ug/L	0.2824	29.61	0.9383
Pb2203_A		-0.09474	ug/L	0.2739	289.1	0.6023
Sb2068_A		-1.033	ug/L	0.09337	9.041	0.6213
Se1960_A		1.897	ug/L	0.6876	36.24	-0.5061
Si2516_R		1,130	ug/L	11.99	1.061	274.4
Sn1899_A		0.8919	ug/L	0.1253	14.05	0.6898
Sr4215_R		635.0	ug/L	3.036	0.4781	18,280
Ti3349_A		-1.250	ug/L	0.08049	6.437	-34.38
Tl1908_A		-0.2789	ug/L	1.580	566.5	-0.1316
V_2924_A		0.3744	ug/L	0.3677	98.21	2.931
Zn2062_A		12.87	ug/L	0.2113	1.641	44.64
Bi2230_A		1.388	ug/L	0.4627	33.33	6.858
Y_3600_R		8,611.4	Cts/S	43.382	0.50377	8,611.4
Y_2243_A		7,039.7	Cts/S	6.7649	0.096096	7,039.7
Y_3600_A		183,020	Cts/S	1,276.2	0.69730	183,020

SG5020-007

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:19:45PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1119	ug/L	0.2859	255.4	-20.83
Al3961_R		16.75	ug/L	24.71	147.5	-8.361
As1891_A		-2.958	ug/L	0.9369	31.68	-1.953
Au2427_A		-1.389	ug/L	1.370	98.59	-6.902
B_2089_A		6.849	ug/L	0.7376	10.77	9.451
Ba4554_R		13.10	ug/L	0.6499	4.962	319.4
Be3130_R		-0.02040	ug/L	0.07008	343.5	-2.972
Ca3158_R		137.6	ug/L	6.665	4.842	84.83
Cd2265_A		0.01369	ug/L	0.009815	71.69	-0.7655
Co2286_A		-0.3620	ug/L	0.05902	16.30	8.495
Cr2677_A		-0.1617	ug/L	0.4322	267.3	7.233
Cu3273_A		1.556	ug/L	1.150	73.86	27.84
Fe2599_R		-0.07992	ug/L	0.01160	14.52	6.023
K_7664_R		-61.49	ug/L	33.49	54.46	-13.60
Li6707_R		3.349	ug/L	0.1427	4.261	43.78
Mg2025_A		9.005	ug/L	0.9421	10.46	1.007
Mn2576_R		0.3890	ug/L	0.6129	157.5	1.025

SG5020-007

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:19:45PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		-1.850	ug/L	0.03414	1.846	0.3021
Na5895_R		65.69	ug/L	28.85	43.92	-94.24
Ni2316_A		0.03972	ug/L	0.1288	324.3	-0.8072
Pb2203_A		-0.5366	ug/L	0.1481	27.60	0.05323
Sb2068_A		-1.101	ug/L	0.9709	88.21	0.6066
Se1960_A		-1.357	ug/L	1.126	82.97	-1.178
Si2516_R		19.30	ug/L	5.456	28.27	12.54
Sn1899_A		0.1614	ug/L	0.1273	78.87	0.3124
Sr4215_R		2.670	ug/L	0.1885	7.060	37.13
Ti3349_A		-0.6566	ug/L	0.09173	13.97	-20.86
Tl1908_A		-0.04078	ug/L	0.2658	651.7	0.2937
V_2924_A		-0.01844	ug/L	0.3506	1,901	-1.443
Zn2062_A		23.29	ug/L	0.2603	1.118	82.10
Bi2230_A		0.6933	ug/L	0.9869	142.4	6.753
Y_3600_R		8,852.7	Cts/S	132.84	1.5006	8,852.7
Y_2243_A		7,285.4	Cts/S	19.454	0.26704	7,285.4
Y_3600_A		193,760	Cts/S	69.541	0.035891	193,760

PBSGG17ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:24:18PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4246	ug/L	0.2240	52.76	-14.54
Al3961_R		20.23	ug/L	13.33	65.87	-7.090
As1891_A		-1.070	ug/L	0.2588	24.18	-1.417
Au2427_A		-0.04263	ug/L	1.938	4,545	-2.223
B_2089_A		1.160	ug/L	1.566	135.0	4.372
Ba4554_R		0.9870	ug/L	0.5322	53.92	65.21
Be3130_R		-0.08807	ug/L	0.1105	125.4	-5.787
Ca3158_R		71.78	ug/L	0.9789	1.364	41.28
Cd2265_A		0.03979	ug/L	0.08349	209.8	-0.3692
Co2286_A		-0.3385	ug/L	0.1546	45.68	8.689
Cr2677_A		0.4077	ug/L	0.02755	6.759	15.59
Cu3273_A		1.103	ug/L	0.05686	5.155	22.08
Fe2599_R		11.12	ug/L	4.321	38.85	15.35
K_7664_R		-77.32	ug/L	33.94	43.90	-18.88
Li6707_R		1.123	ug/L	1.023	91.08	30.61
Mg2025_A		21.34	ug/L	2.317	10.86	3.232
Mn2576_R		0.2731	ug/L	0.3946	144.5	0.4985
Mo2020_A		-1.558	ug/L	0.04387	2.816	0.8989
Na5895_R		21.18	ug/L	21.02	99.23	-132.2
Ni2316_A		0.3373	ug/L	0.3603	106.8	-0.2048
Pb2203_A		-0.4213	ug/L	0.02745	6.516	0.1857
Sb2068_A		0.7159	ug/L	0.7635	106.6	1.128
Se1960_A		-3.421	ug/L	2.815	82.29	-1.598
Si2516_R		3.942	ug/L	2.413	61.21	8.719
Sn1899_A		22.90	ug/L	0.4185	1.828	12.97
Sr4215_R		-0.2342	ug/L	0.03960	16.91	-48.42
Ti3349_A		-0.4979	ug/L	0.1081	21.71	-16.80
Tl1908_A		0.1305	ug/L	0.8641	662.2	0.3814
V_2924_A		-0.08585	ug/L	0.08521	99.26	-2.454
Zn2062_A		0.9134	ug/L	0.007475	0.8183	5.027
Bi2230_A		0.004648	ug/L	1.846	39,730	6.537
Y_3600_R		8,747.2	Cts/S	17.799	0.20348	8,747.2
Y_2243_A		7,379.1	Cts/S	4.3119	0.058433	7,379.1
Y_3600_A		194,940	Cts/S	168.22	0.086293	194,940

LCSOGG17ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:28:50PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.72	ug/L	0.02502	0.05032	966.6
Al3961_R		2,042	ug/L	7.952	0.3894	628.0
As1891_A		90.55	ug/L	1.795	1.982	25.55
Au2427_A		0.7198	ug/L	0.2027	28.16	10.50
B_2089_A		487.6	ug/L	0.2335	0.04788	452.7
Ba4554_R		2,018	ug/L	9.341	0.4628	41,110
Be3130_R		50.72	ug/L	0.3274	0.6456	2,104
Ca3158_R		2,614	ug/L	19.43	0.7430	1,659
Cd2265_A		239.0	ug/L	0.5832	0.2441	3,577
Co2286_A		500.6	ug/L	2.026	0.4048	1,739
Cr2677_A		199.6	ug/L	0.1721	0.08624	2,840
Cu3273_A		256.4	ug/L	0.02505	0.009767	3,239
Fe2599_R		1,016	ug/L	0.3452	0.03399	844.5
K_7664_R		9,757	ug/L	39.68	0.4067	3,355
Li6707_R		497.0	ug/L	1.218	0.2451	2,803
Mg2025_A		5,010	ug/L	6.393	0.1276	900.3
Mn2576_R		500.4	ug/L	0.9549	0.1908	2,285
Mo2020_A		285.7	ug/L	0.5860	0.2051	574.5
Na5895_R		7,451	ug/L	15.00	0.2013	6,264
Ni2316_A		496.6	ug/L	0.5411	0.1090	1,006
Pb2203_A		99.98	ug/L	0.2111	0.2112	112.9
Sb2068_A		99.28	ug/L	0.4481	0.4514	31.09
Se1960_A		94.30	ug/L	0.6649	0.7051	17.32
Si2516_R	F	3,393	ug/L	4.727	0.1393	809.9
Sn1899_A		508.5	ug/L	0.3054	0.06005	278.7
Sr4215_R		494.8	ug/L	2.223	0.4492	14,240
Ti3349_A		491.2	ug/L	1.442	0.2936	12,570
Tl1908_A		97.69	ug/L	0.8869	0.9079	46.42
V_2924_A		493.2	ug/L	1.754	0.3556	6,587
Zn2062_A		490.4	ug/L	1.210	0.2467	1,686
Bi2230_A		-1.546	ug/L	0.7426	48.02	5.837
Y_3600_R		8,613.2	Cts/S	26.039	0.30231	8,613.2
Y_2243_A		7,261.7	Cts/S	0.33972	0.0046782	7,261.7
Y_3600_A		189,210	Cts/S	725.48	0.38343	189,210

LC2OGG17ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:33:18PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.76	ug/L	0.1515	0.3044	972.3
Al3961_R		2,005	ug/L	2.639	0.1316	621.5
As1891_A		93.51	ug/L	1.858	1.987	26.32
Au2427_A		0.7133	ug/L	0.7401	103.8	10.48
B_2089_A		496.6	ug/L	0.2359	0.04750	459.1
Ba4554_R		2,030	ug/L	5.963	0.2938	41,660
Be3130_R		51.06	ug/L	0.3393	0.6644	2,135
Ca3158_R		2,652	ug/L	6.503	0.2453	1,696
Cd2265_A		244.1	ug/L	0.2695	0.1104	3,639
Co2286_A		508.9	ug/L	0.8413	0.1653	1,760
Cr2677_A		201.2	ug/L	0.9009	0.4478	2,878
Cu3273_A		256.3	ug/L	0.8181	0.3192	3,254
Fe2599_R		1,029	ug/L	1.888	0.1834	862.7
K_7664_R		9,900	ug/L	24.32	0.2456	3,431
Li6707_R		497.6	ug/L	1.073	0.2156	2,828
Mg2025_A		5,102	ug/L	6.087	0.1193	913.1
Mn2576_R		502.4	ug/L	2.859	0.5691	2,313

LC2OGG17ICS1

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:33:18PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		293.2	ug/L	0.4332	0.1478	587.0
Na5895_R		7,520	ug/L	4.796	0.06378	6,373
Ni2316_A		505.1	ug/L	0.2020	0.03998	1,019
Pb2203_A		101.7	ug/L	0.2952	0.2904	114.4
Sb2068_A		96.86	ug/L	1.850	1.910	30.18
Se1960_A		96.92	ug/L	1.271	1.311	17.75
Si2516_R	F	3,102	ug/L	52.31	1.686	747.0
Sn1899_A		517.0	ug/L	0.2789	0.05395	282.2
Sr4215_R		498.8	ug/L	0.9931	0.1991	14,470
Ti3349_A		493.4	ug/L	0.8599	0.1743	12,690
Tl1908_A		99.41	ug/L	0.6365	0.6403	47.05
V_2924_A		494.8	ug/L	0.2741	0.05539	6,642
Zn2062_A		499.2	ug/L	0.3717	0.07447	1,709
Bi2230_A		-1.330	ug/L	0.2663	20.03	5.906
Y_3600_R		8,680.7	Cts/S	121.21	1.3963	8,680.7
Y_2243_A		7,231.6	Cts/S	16.447	0.22743	7,231.6
Y_3600_A		190,190	Cts/S	1,193.1	0.62732	190,190

3050 LOD

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:37:43PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		7.824	ug/L	0.08810	1.126	137.2
Al3961_R		139.7	ug/L	28.12	20.13	30.68
As1891_A		3.799	ug/L	1.122	29.53	0.03376
Au2427_A		29.40	ug/L	1.595	5.425	100.7
B_2089_A		11.83	ug/L	0.5569	4.707	14.31
Ba4554_R		4.025	ug/L	0.6376	15.84	126.9
Be3130_R		0.4563	ug/L	0.08549	18.73	17.01
Ca3158_R		91.98	ug/L	2.523	2.743	53.90
Cd2265_A		3.196	ug/L	0.03438	1.076	47.17
Co2286_A		4.046	ug/L	0.1510	3.733	23.81
Cr2677_A		5.719	ug/L	0.07429	1.299	92.64
Cu3273_A		11.58	ug/L	0.5682	4.907	157.7
Fe2599_R		85.27	ug/L	1.329	1.559	76.91
K_7664_R		442.8	ug/L	35.18	7.945	161.0
Li6707_R		33.14	ug/L	0.3736	1.127	210.8
Mg2025_A		93.17	ug/L	1.713	1.838	16.10
Mn2576_R		4.352	ug/L	0.4350	9.995	19.27
Mo2020_A		7.928	ug/L	0.03007	0.3793	19.92
Na5895_R		534.7	ug/L	10.63	1.988	314.1
Ni2316_A		4.456	ug/L	0.2465	5.532	8.202
Pb2203_A		4.781	ug/L	0.7316	15.30	6.055
Sb2068_A		7.111	ug/L	2.751	38.69	3.091
Se1960_A		4.445	ug/L	0.0001877	0.004223	-0.05499
Si2516_R		113.0	ug/L	4.137	3.661	34.62
Sn1899_A		44.59	ug/L	0.1540	0.3454	24.76
Sr4215_R		3.928	ug/L	0.1916	4.879	73.02
Ti3349_A		4.456	ug/L	0.3242	7.277	113.3
Tl1908_A		5.254	ug/L	0.3462	6.590	2.838
V_2924_A		3.889	ug/L	0.1627	4.185	50.88
Zn2062_A		13.15	ug/L	0.08961	0.6814	47.20
Bi2230_A		0.9418	ug/L	3.374	358.3	6.875
Y_3600_R		8,677.4	Cts/S	51.790	0.59684	8,677.4
Y_2243_A		7,295.3	Cts/S	10.773	0.14767	7,295.3
Y_3600_A		193,820	Cts/S	275.53	0.14216	193,820

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:42:15PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		506.2	ug/L	0.2427	0.04795	9,952
Al3961_R		12,480	ug/L	86.19	0.6905	3,925
As1891_A		489.7	ug/L	0.5176	0.1057	140.7
Au2427_A		493.2	ug/L	2.803	0.5682	1,718
B_2089_A		502.6	ug/L	2.597	0.5167	468.9
Ba4554_R		507.7	ug/L	3.180	0.6264	10,470
Be3130_R		499.7	ug/L	1.727	0.3456	20,990
Ca3158_R		12,770	ug/L	40.12	0.3141	8,201
Cd2265_A		498.9	ug/L	0.3855	0.07727	7,404
Co2286_A		506.4	ug/L	1.579	0.3119	1,741
Cr2677_A		506.2	ug/L	0.1769	0.03496	7,099
Cu3273_A		511.8	ug/L	0.3275	0.06400	6,391
Fe2599_R		12,530	ug/L	66.02	0.5269	10,450
K_7664_R		12,330	ug/L	24.27	0.1968	4,277
Li6707_R		503.1	ug/L	0.9086	0.1806	2,863
Mg2025_A		12,690	ug/L	24.48	0.1930	2,231
Mn2576_R		504.6	ug/L	0.5931	0.1175	2,327
Mo2020_A		498.6	ug/L	0.4193	0.08410	989.9
Na5895_R		12,500	ug/L	91.94	0.7354	10,710
Ni2316_A		504.3	ug/L	0.01612	0.003197	1,011
Pb2203_A		504.8	ug/L	0.9926	0.1966	563.2
Sb2068_A		498.2	ug/L	2.518	0.5054	156.6
Se1960_A		494.4	ug/L	1.242	0.2513	93.59
Si2516_R		12,190	ug/L	68.93	0.5654	2,914
Sn1899_A		498.3	ug/L	0.2705	0.05428	270.5
Sr4215_R		496.7	ug/L	2.445	0.4922	14,430
Ti3349_A		499.6	ug/L	0.1136	0.02275	12,630
Tl1908_A		508.4	ug/L	0.3756	0.07388	240.9
V_2924_A		502.0	ug/L	1.209	0.2407	6,581
Zn2062_A		498.5	ug/L	1.200	0.2408	1,696
Bi2230_A		512.7	ug/L	0.4626	0.09023	226.7
Y_3600_R		8,692.4	Cts/S	31.749	0.36525	8,692.4
Y_2243_A		7,190.2	Cts/S	17.063	0.23730	7,190.2
Y_3600_A		186,910	Cts/S	886.67	0.47438	186,910

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:46:37PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1257	ug/L	0.001770	1.408	-24.95
Al3961_R		0.9290	ug/L	11.25	1,211	-13.02
As1891_A		-1.338	ug/L	0.1918	14.34	-1.466
Au2427_A		0.2859	ug/L	0.2163	75.68	-1.061
B_2089_A		1.162	ug/L	0.4057	34.93	4.348
Ba4554_R		0.6821	ug/L	0.5060	74.18	58.12
Be3130_R		-0.04902	ug/L	0.1178	240.4	-4.067
Ca3158_R		-0.6867	ug/L	6.581	958.4	-5.507
Cd2265_A		0.1523	ug/L	0.02328	15.29	1.308
Co2286_A		-0.2918	ug/L	0.3029	103.8	8.679
Cr2677_A		0.2913	ug/L	0.2678	91.92	13.36
Cu3273_A		1.282	ug/L	0.3197	24.94	23.50
Fe2599_R		1.819	ug/L	3.470	190.7	7.450
K_7664_R		-21.64	ug/L	98.28	454.1	0.5962
Li6707_R		1.298	ug/L	2.427	187.0	31.17
Mg2025_A		3.925	ug/L	5.476	139.5	0.1249
Mn2576_R		-0.1609	ug/L	0.2936	182.5	-1.495

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:46:37PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		0.2564	ug/L	0.4539	177.0	4.491
Na5895_R		1.902	ug/L	13.29	698.7	-147.1
Ni2316_A		0.2885	ug/L	0.08848	30.67	-0.2940
Pb2203_A		-0.3554	ug/L	0.8230	231.6	0.2567
Sb2068_A		1.183	ug/L	0.6310	53.32	1.320
Se1960_A		0.06791	ug/L	0.6856	1,010	-0.8960
Si2516_R		-3.411	ug/L	17.46	511.7	6.878
Sn1899_A		0.6239	ug/L	0.7458	119.5	0.5624
Sr4215_R		-0.3758	ug/L	0.3319	88.31	-51.86
Ti3349_A		-0.2730	ug/L	0.03226	11.82	-10.45
Tl1908_A		-0.2083	ug/L	0.05008	24.05	0.2123
V_2924_A		0.2323	ug/L	0.03847	16.56	1.692
Zn2062_A		2.299	ug/L	0.08647	3.761	9.671
Bi2230_A		-0.8612	ug/L	0.1045	12.13	6.035
Y_3600_R		8,631.6	Cts/S	36.979	0.42841	8,631.6
Y_2243_A		7,233.7	Cts/S	4.3940	0.060743	7,233.7
Y_3600_A		187,970	Cts/S	3,304.9	1.7582	187,970

3050 LOQ

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:51:09PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		20.54	ug/L	0.08667	0.4220	393.7
Al3961_R		605.4	ug/L	33.15	5.477	177.8
As1891_A		14.29	ug/L	0.008338	0.05836	3.102
Au2427_A		203.7	ug/L	0.8359	0.4103	704.9
B_2089_A		101.8	ug/L	0.5099	0.5010	95.61
Ba4554_R		11.09	ug/L	0.5348	4.823	272.6
Be3130_R		10.22	ug/L	0.07572	0.7413	427.3
Ca3158_R		214.4	ug/L	3.180	1.483	132.9
Cd2265_A		10.22	ug/L	0.06700	0.6558	152.0
Co2286_A		20.59	ug/L	0.04606	0.2237	80.83
Cr2677_A		21.09	ug/L	0.3020	1.432	312.7
Cu3273_A		55.20	ug/L	0.3731	0.6759	715.2
Fe2599_R		212.3	ug/L	1.381	0.6503	183.2
K_7664_R		1,909	ug/L	38.27	2.005	670.1
Li6707_R		203.3	ug/L	4.612	2.268	1,173
Mg2025_A		216.9	ug/L	6.010	2.771	38.40
Mn2576_R		11.93	ug/L	0.3827	3.208	54.34
Mo2020_A		18.82	ug/L	0.03798	0.2019	41.53
Na5895_R		2,056	ug/L	5.441	0.2647	1,638
Ni2316_A		20.93	ug/L	0.2877	1.375	41.52
Pb2203_A		10.70	ug/L	0.6956	6.503	12.60
Sb2068_A		18.39	ug/L	0.9729	5.290	6.111
Se1960_A		17.78	ug/L	0.9580	5.387	2.516
Si2516_R		371.4	ug/L	3.249	0.8747	96.46
Sn1899_A		227.9	ug/L	1.080	0.4738	124.9
Sr4215_R		20.03	ug/L	0.5132	2.562	543.0
Ti3349_A		30.44	ug/L	0.02768	0.09093	786.6
Tl1908_A		31.50	ug/L	0.2609	0.8283	15.37
V_2924_A		20.48	ug/L	0.6185	3.020	274.5
Zn2062_A		40.71	ug/L	0.1246	0.3061	141.5
Bi2230_A		0.1318	ug/L	2.130	1,616	6.500
Y_3600_R		8,706.5	Cts/S	32.265	0.37059	8,706.5
Y_2243_A		7,253.8	Cts/S	1.7666	0.024354	7,253.8
Y_3600_A		191,870	Cts/S	1,043.1	0.54362	191,870

SG4875-001

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 8:55:40PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.558	ug/L	0.6080	23.77	-1,164
Al3961_R		224,400	ug/L	2,088	0.9306	74,450
As1891_A		66.44	ug/L	1.860	2.800	6.834
Au2427_A		-44.91	ug/L	0.8562	1.906	274.0
B_2089_A		44.45	ug/L	0.6072	1.366	43.67
Ba4554_R		944.5	ug/L	0.5689	0.06023	20,480
Be3130_R		7.992	ug/L	0.05333	0.6673	38.64
Ca3158_R		45,670	ug/L	35.45	0.07761	30,910
Cd2265_A		2.352	ug/L	0.1212	5.151	257.6
Co2286_A		105.9	ug/L	0.04534	0.04281	467.8
Cr2677_A		401.6	ug/L	0.1487	0.03704	5,602
Cu3273_A		193.9	ug/L	0.2508	0.1293	1,999
Fe2599_R	W	261,600	ug/L	1,104	0.4220	229,700
K_7664_R		32,690	ug/L	56.26	0.1721	11,930
Li6707_R		365.4	ug/L	1.536	0.4204	2,198
Mg2025_A		66,590	ug/L	25.96	0.03899	11,770
Mn2576_R		4,974	ug/L	21.26	0.4274	24,180
Mo2020_A		4.033	ug/L	0.01428	0.3542	11.99
Na5895_R		1,584	ug/L	5.128	0.3237	1,292
Ni2316_A		262.5	ug/L	0.2887	0.1100	512.7
Pb2203_A		367.4	ug/L	1.805	0.4914	400.2
Sb2068_A		-1.999	ug/L	0.5818	29.10	6.240
Se1960_A		-6.861	ug/L	0.3752	5.468	-1.511
Si2516_R		4,430	ug/L	40.06	0.9044	1,116
Sn1899_A		34.71	ug/L	1.668	4.806	19.31
Sr4215_R		241.9	ug/L	0.5869	0.2427	7,381
Ti3349_A		10,590	ug/L	45.97	0.4339	265,500
Tl1908_A		4.792	ug/L	2.314	48.29	-9.945
V_2924_A		498.6	ug/L	0.2303	0.04618	6,639
Zn2062_A		1,027	ug/L	0.8880	0.08651	3,541
Bi2230_A		4.046	ug/L	1.577	38.98	22.27
Y_3600_R		9,158.2	Cts/S	37.002	0.40403	9,158.2
Y_2243_A		7,288.3	Cts/S	9.8579	0.13526	7,288.3
Y_3600_A		185,280	Cts/S	225.40	0.12165	185,280

SG4875-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:00:11PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.424	ug/L	0.2230	15.66	-321.6
Al3961_R		43,020	ug/L	92.34	0.2147	13,830
As1891_A		39.83	ug/L	0.08923	0.2240	7.810
Au2427_A		-12.38	ug/L	0.6078	4.908	58.52
B_2089_A		16.31	ug/L	0.5686	3.486	18.44
Ba4554_R		466.6	ug/L	0.2168	0.04647	9,833
Be3130_R		1.992	ug/L	0.07996	4.015	-29.00
Ca3158_R		8,429	ug/L	37.65	0.4467	5,526
Cd2265_A		1.830	ug/L	0.04661	2.547	87.07
Co2286_A		18.98	ug/L	0.3088	1.627	110.3
Cr2677_A		84.63	ug/L	2.061	2.435	1,220
Cu3273_A		94.90	ug/L	1.947	2.051	1,064
Fe2599_R		67,870	ug/L	381.8	0.5626	57,780
K_7664_R		4,423	ug/L	96.46	2.181	1,572
Li6707_R		35.80	ug/L	1.103	3.081	231.0
Mg2025_A		7,957	ug/L	26.24	0.3298	1,425
Mn2576_R		779.8	ug/L	2.866	0.3675	3,677

SG4875-002

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:00:11PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		4.174	ug/L	0.004857	0.1164	12.45
Na5895_R		771.0	ug/L	6.024	0.7813	531.2
Ni2316_A		90.28	ug/L	0.1746	0.1934	179.6
Pb2203_A		3,997	ug/L	12.82	0.3206	4,585
Sb2068_A		10.22	ug/L	1.808	17.68	5.485
Se1960_A		0.5290	ug/L	1.075	203.2	-0.6185
Si2516_R		5,470	ug/L	10.66	0.1949	1,339
Sn1899_A		38.59	ug/L	0.4400	1.140	21.69
Sr4215_R		110.6	ug/L	0.1006	0.09096	3,250
Ti3349_A		3,957	ug/L	82.51	2.085	101,900
Tl1908_A		1.488	ug/L	0.03508	2.358	-2.275
V_2924_A		244.2	ug/L	5.571	2.282	3,336
Zn2062_A		208.4	ug/L	0.07816	0.03750	729.0
Bi2230_A		-0.8059	ug/L	1.161	144.0	9.587
Y_3600_R		8,880.1	Cts/S	58.273	0.65621	8,880.1
Y_2243_A		7,375.0	Cts/S	12.604	0.17090	7,375.0
Y_3600_A		190,380	Cts/S	2,715.3	1.4263	190,380

SG4875-003

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:04:39PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.700	ug/L	0.2854	16.79	-265.1
Al3961_R		38,170	ug/L	436.1	1.143	12,470
As1891_A		31.27	ug/L	1.146	3.664	5.879
Au2427_A		-9.904	ug/L	1.237	12.49	43.61
B_2089_A		17.65	ug/L	0.1692	0.9588	19.88
Ba4554_R		450.8	ug/L	3.848	0.8536	9,659
Be3130_R		1.255	ug/L	0.04764	3.796	-55.44
Ca3158_R		3,186	ug/L	27.16	0.8525	2,121
Cd2265_A		1.216	ug/L	0.04347	3.575	67.89
Co2286_A		8.536	ug/L	0.1333	1.561	72.51
Cr2677_A		55.16	ug/L	0.04345	0.07876	822.1
Cu3273_A		86.14	ug/L	0.5371	0.6235	991.3
Fe2599_R		54,900	ug/L	394.3	0.7183	47,530
K_7664_R		3,031	ug/L	17.08	0.5635	1,098
Li6707_R		19.75	ug/L	0.5497	2.783	140.8
Mg2025_A		3,302	ug/L	13.09	0.3965	600.1
Mn2576_R		384.0	ug/L	1.688	0.4396	1,842
Mo2020_A		2.813	ug/L	0.2211	7.859	9.830
Na5895_R		900.1	ug/L	27.00	3.000	656.5
Ni2316_A		49.60	ug/L	0.1465	0.2953	98.20
Pb2203_A		2,976	ug/L	6.656	0.2236	3,459
Sb2068_A		5.381	ug/L	0.06031	1.121	3.724
Se1960_A		0.8968	ug/L	1.457	162.5	-0.6337
Si2516_R		5,474	ug/L	3.106	0.05675	1,362
Sn1899_A		32.71	ug/L	0.6408	1.959	18.67
Sr4215_R		74.32	ug/L	0.5716	0.7691	2,206
Ti3349_A		3,725	ug/L	1.088	0.02921	98,680
Tl1908_A		-0.01589	ug/L	0.7807	4,915	-2.297
V_2924_A		200.8	ug/L	0.1306	0.06507	2,828
Zn2062_A		117.3	ug/L	0.3293	0.2808	416.5
Bi2230_A		-1.197	ug/L	1.154	96.42	8.946
Y_3600_R		9,028.6	Cts/S	18.943	0.20981	9,028.6
Y_2243_A		7,474.3	Cts/S	26.722	0.35751	7,474.3
Y_3600_A		195,860	Cts/S	1,405.6	0.71766	195,860

SG4875-004

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:09:09PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.284	ug/L	0.1690	13.16	-251.6
Al3961_R		32,920	ug/L	48.70	0.1479	10,760
As1891_A		31.87	ug/L	4.057	12.73	6.228
Au2427_A		-8.063	ug/L	0.2808	3.482	45.74
B_2089_A		13.29	ug/L	0.7077	5.324	15.73
Ba4554_R		388.2	ug/L	0.8653	0.2229	8,329
Be3130_R		1.472	ug/L	0.007738	0.5257	-29.70
Ca3158_R		5,465	ug/L	15.80	0.2891	3,643
Cd2265_A		1.926	ug/L	0.02423	1.258	74.47
Co2286_A		9.582	ug/L	0.4552	4.751	71.28
Cr2677_A		62.26	ug/L	0.08686	0.1395	927.1
Cu3273_A		92.10	ug/L	0.3227	0.3504	1,091
Fe2599_R		50,940	ug/L	118.5	0.2327	44,120
K_7664_R		3,313	ug/L	24.17	0.7297	1,200
Li6707_R		23.10	ug/L	1.723	7.460	160.5
Mg2025_A		4,793	ug/L	19.81	0.4132	866.2
Mn2576_R		447.8	ug/L	0.1802	0.04024	2,148
Mo2020_A		1.570	ug/L	0.2115	13.48	7.246
Na5895_R		963.9	ug/L	3.643	0.3780	714.4
Ni2316_A		67.05	ug/L	0.5070	0.7562	134.4
Pb2203_A		4,858	ug/L	8.302	0.1709	5,623
Sb2068_A		7.569	ug/L	1.669	22.05	4.342
Se1960_A		2.579	ug/L	1.390	53.88	-0.2874
Si2516_R		4,898	ug/L	90.16	1.841	1,220
Sn1899_A		35.45	ug/L	0.8186	2.309	20.13
Sr4215_R		88.63	ug/L	0.1191	0.1344	2,640
Ti3349_A		3,178	ug/L	8.994	0.2830	84,260
Tl1908_A		-0.8824	ug/L	0.3983	45.14	-2.535
V_2924_A		195.5	ug/L	0.8435	0.4315	2,751
Zn2062_A		185.0	ug/L	0.3701	0.2001	653.2
Bi2230_A		-3.307	ug/L	0.6612	19.99	7.718
Y_3600_R		9,032.8	Cts/S	41.920	0.46408	9,032.8
Y_2243_A		7,442.2	Cts/S	13.082	0.17578	7,442.2
Y_3600_A		196,060	Cts/S	1,598.3	0.81522	196,060

SG4875-005

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:13:38PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.605	ug/L	0.3118	11.97	-754.1
Al3961_R		170,800	ug/L	1,229	0.7196	56,100
As1891_A		38.16	ug/L	0.5672	1.486	2.668
Au2427_A		-30.25	ug/L	1.425	4.712	147.2
B_2089_A		9.818	ug/L	0.2358	2.402	12.50
Ba4554_R		214.4	ug/L	1.211	0.5649	4,639
Be3130_R		6.493	ug/L	0.03865	0.5952	32.35
Ca3158_R		6,232	ug/L	23.17	0.3719	4,171
Cd2265_A		0.2882	ug/L	0.03847	13.35	148.9
Co2286_A		57.38	ug/L	0.02886	0.05029	285.7
Cr2677_A		190.9	ug/L	0.3355	0.1758	2,735
Cu3273_A		106.7	ug/L	0.09031	0.08464	1,036
Fe2599_R		164,600	ug/L	1,593	0.9679	143,100
K_7664_R		9,863	ug/L	38.06	0.3859	3,571
Li6707_R		194.8	ug/L	0.2153	0.1105	1,172
Mg2025_A		28,120	ug/L	78.30	0.2784	5,061
Mn2576_R		1,957	ug/L	12.43	0.6351	9,424

SG4875-005

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:13:38PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		2.284	ug/L	0.3240	14.18	8.646
Na5895_R		1,044	ug/L	9.287	0.8900	789.3
Ni2316_A		128.0	ug/L	0.6394	0.4995	251.0
Pb2203_A		241.9	ug/L	0.3707	0.1532	263.8
Sb2068_A		-0.9950	ug/L	1.260	126.6	4.408
Se1960_A		-1.333	ug/L	2.475	185.7	-0.9733
Si2516_R		4,690	ug/L	4.575	0.09755	1,172
Sn1899_A		31.07	ug/L	0.9594	3.088	17.60
Sr4215_R		49.87	ug/L	0.01591	0.03191	1,473
Ti3349_A		8,515	ug/L	1.963	0.02305	218,700
Tl1908_A		1.661	ug/L	0.2792	16.80	-5.958
V_2924_A		342.1	ug/L	0.4834	0.1413	4,690
Zn2062_A		318.9	ug/L	0.4899	0.1536	1,120
Bi2230_A		-4.501	ug/L	1.456	32.35	14.13
Y_3600_R		9,068.3	Cts/S	69.074	0.76171	9,068.3
Y_2243_A		7,414.4	Cts/S	14.273	0.19251	7,414.4
Y_3600_A		189,920	Cts/S	313.39	0.16501	189,920

SG4875-006

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:18:05PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.386	ug/L	0.7255	52.33	-354.1
Al3961_R		38,740	ug/L	38.78	0.1001	12,590
As1891_A		29.53	ug/L	2.223	7.530	4.572
Au2427_A		-13.23	ug/L	0.8580	6.486	56.15
B_2089_A		8.291	ug/L	0.5878	7.090	10.94
Ba4554_R		115.8	ug/L	0.06405	0.05531	2,501
Be3130_R		0.9138	ug/L	0.02538	2.777	-100.6
Ca3158_R		3,652	ug/L	18.14	0.4968	2,417
Cd2265_A		0.3236	ug/L	0.04436	13.71	68.64
Co2286_A		10.88	ug/L	0.05064	0.4656	88.24
Cr2677_A		66.61	ug/L	0.1422	0.2135	979.0
Cu3273_A		54.32	ug/L	0.3234	0.5955	525.7
Fe2599_R		72,350	ug/L	155.2	0.2145	62,260
K_7664_R		2,624	ug/L	7.362	0.2806	946.3
Li6707_R		48.26	ug/L	0.5175	1.072	306.1
Mg2025_A		7,908	ug/L	19.90	0.2516	1,409
Mn2576_R		498.7	ug/L	0.4480	0.08984	2,378
Mo2020_A		1.252	ug/L	0.1013	8.087	6.490
Na5895_R		526.1	ug/L	12.27	2.332	317.2
Ni2316_A		37.08	ug/L	0.007215	0.01946	69.40
Pb2203_A		3,310	ug/L	17.45	0.5272	3,778
Sb2068_A		3.987	ug/L	0.1974	4.952	3.470
Se1960_A		-2.171	ug/L	2.296	105.8	-1.129
Si2516_R		4,962	ug/L	34.22	0.6897	1,228
Sn1899_A		30.98	ug/L	0.5843	1.886	17.37
Sr4215_R		29.85	ug/L	0.1580	0.5292	855.4
Ti3349_A		4,771	ug/L	4.226	0.08857	124,900
Tl1908_A		-0.7496	ug/L	0.2246	29.97	-3.375
V_2924_A		227.8	ug/L	0.5633	0.2472	3,177
Zn2062_A		119.6	ug/L	0.3644	0.3047	416.8
Bi2230_A		-2.020	ug/L	0.06385	3.161	9.100
Y_3600_R		8,975.6	Cts/S	85.679	0.95458	8,975.6
Y_2243_A		7,337.1	Cts/S	37.681	0.51357	7,337.1
Y_3600_A		193,500	Cts/S	59.350	0.030671	193,500

SG4875-007

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:22:35PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.7158	ug/L	0.2448	34.19	-420.5
Al3961_R		81,300	ug/L	1,691	2.080	26,220
As1891_A		24.34	ug/L	1.067	4.382	2.225
Au2427_A		-16.59	ug/L	1.649	9.937	68.11
B_2089_A		6.580	ug/L	0.6629	10.07	9.427
Ba4554_R		115.8	ug/L	2.116	1.828	2,481
Be3130_R		3.471	ug/L	0.005331	0.1536	15.04
Ca3158_R		5,689	ug/L	85.37	1.501	3,739
Cd2265_A		0.7191	ug/L	0.01253	1.742	85.83
Co2286_A		18.60	ug/L	0.2354	1.265	114.8
Cr2677_A		92.84	ug/L	0.1431	0.1541	1,338
Cu3273_A		55.51	ug/L	0.5247	0.9453	536.6
Fe2599_R		86,060	ug/L	1,887	2.193	73,480
K_7664_R		3,464	ug/L	71.90	2.076	1,237
Li6707_R		88.69	ug/L	0.6961	0.7848	537.4
Mg2025_A		11,030	ug/L	41.50	0.3764	1,974
Mn2576_R		763.4	ug/L	15.28	2.002	3,611
Mo2020_A		1.250	ug/L	0.04587	3.668	6.518
Na5895_R		926.4	ug/L	32.87	3.548	670.9
Ni2316_A		60.71	ug/L	0.4878	0.8035	117.3
Pb2203_A		513.1	ug/L	1.754	0.3418	582.4
Sb2068_A		-0.8619	ug/L	0.5821	67.54	2.506
Se1960_A		0.7394	ug/L	0.6249	84.51	-0.6599
Si2516_R		3,717	ug/L	77.74	2.091	914.3
Sn1899_A		29.36	ug/L	0.4676	1.592	16.56
Sr4215_R		36.78	ug/L	0.8953	2.434	1,056
Ti3349_A		4,622	ug/L	2.457	0.05316	119,000
Tl1908_A		0.2927	ug/L	1.781	608.5	-3.010
V_2924_A		248.0	ug/L	0.3271	0.1319	3,395
Zn2062_A		163.1	ug/L	0.02960	0.01815	570.5
Bi2230_A		-1.626	ug/L	2.049	126.1	10.64
Y_3600_R		8,905.5	Cts/S	10.890	0.12228	8,905.5
Y_2243_A		7,373.8	Cts/S	19.051	0.25836	7,373.8
Y_3600_A		190,360	Cts/S	791.63	0.41586	190,360

SG4875-008

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:27:04PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.152	ug/L	0.2853	24.78	-344.1
Al3961_R		39,260	ug/L	699.5	1.782	12,760
As1891_A		37.74	ug/L	2.903	7.693	7.180
Au2427_A		-12.60	ug/L	0.1300	1.032	55.22
B_2089_A		10.51	ug/L	0.3022	2.874	13.17
Ba4554_R		161.4	ug/L	1.963	1.217	3,467
Be3130_R		1.311	ug/L	0.1730	13.20	-65.16
Ca3158_R		4,268	ug/L	72.59	1.701	2,826
Cd2265_A		1.270	ug/L	0.08355	6.579	81.50
Co2286_A		9.260	ug/L	0.2631	2.841	78.68
Cr2677_A		66.29	ug/L	0.4702	0.7092	972.9
Cu3273_A		77.96	ug/L	0.6551	0.8404	852.9
Fe2599_R		70,230	ug/L	1,149	1.636	60,450
K_7664_R		2,350	ug/L	25.93	1.103	848.7
Li6707_R		33.66	ug/L	1.102	3.273	221.1
Mg2025_A		4,961	ug/L	31.35	0.6319	896.8
Mn2576_R		437.1	ug/L	5.536	1.266	2,085

SG4875-008

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:27:04PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		2.080	ug/L	0.2774	13.34	8.275
Na5895_R		950.4	ug/L	1.034	0.1088	698.0
Ni2316_A		50.56	ug/L	0.3777	0.7470	98.52
Pb2203_A		4,106	ug/L	24.23	0.5902	4,751
Sb2068_A		11.71	ug/L	1.253	10.69	5.977
Se1960_A		0.7454	ug/L	2.060	276.3	-0.5862
Si2516_R		5,207	ug/L	65.98	1.267	1,289
Sn1899_A		34.59	ug/L	0.09997	0.2890	19.63
Sr4215_R		45.90	ug/L	0.5380	1.172	1,338
Ti3349_A		4,161	ug/L	18.28	0.4394	108,800
Tl1908_A		0.1753	ug/L	1.048	597.6	-2.536
V_2924_A		225.9	ug/L	1.358	0.6013	3,140
Zn2062_A		110.2	ug/L	0.9454	0.8581	389.4
Bi2230_A		-2.474	ug/L	3.503	141.6	8.954
Y_3600_R		8,978.4	Cts/S	184.88	2.0592	8,978.4
Y_2243_A		7,438.7	Cts/S	20.807	0.27972	7,438.7
Y_3600_A		193,250	Cts/S	814.35	0.42139	193,250

SG4875-009

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:31:33PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.223	ug/L	0.01804	0.5598	-444.2
Al3961_R		98,650	ug/L	1,631	1.653	31,320
As1891_A		48.86	ug/L	0.7226	1.479	8.560
Au2427_A		-10.74	ug/L	2.065	19.22	182.5
B_2089_A		20.75	ug/L	0.5916	2.851	22.07
Ba4554_R		360.5	ug/L	4.198	1.164	7,509
Be3130_R		3.831	ug/L	0.1914	4.997	29.66
Ca3158_R		33,480	ug/L	469.3	1.402	21,680
Cd2265_A		3.406	ug/L	0.1517	4.456	138.6
Co2286_A		34.91	ug/L	0.09528	0.2730	169.2
Cr2677_A		241.2	ug/L	0.4945	0.2050	3,435
Cu3273_A		131.3	ug/L	0.2438	0.1857	1,487
Fe2599_R		103,900	ug/L	1,535	1.477	87,320
K_7664_R		4,849	ug/L	50.39	1.039	1,701
Li6707_R		97.97	ug/L	2.709	2.766	581.7
Mg2025_A		14,950	ug/L	56.13	0.3755	2,629
Mn2576_R		4,903	ug/L	61.96	1.264	22,800
Mo2020_A		2.823	ug/L	0.1143	4.048	9.578
Na5895_R		850.1	ug/L	0.3033	0.03568	593.6
Ni2316_A		77.40	ug/L	0.1331	0.1719	147.6
Pb2203_A		3,582	ug/L	10.22	0.2852	4,029
Sb2068_A		3.257	ug/L	2.290	70.32	4.569
Se1960_A		1.202	ug/L	0.8316	69.19	-0.1525
Si2516_R		4,348	ug/L	150.2	3.453	1,051
Sn1899_A		46.75	ug/L	0.6771	1.448	25.77
Sr4215_R		140.6	ug/L	1.920	1.365	4,089
Ti3349_A		4,626	ug/L	3.466	0.07491	118,200
Tl1908_A		5.111	ug/L	1.166	22.82	-6.884
V_2924_A		228.6	ug/L	0.5843	0.2555	3,087
Zn2062_A		1,188	ug/L	4.747	0.3997	4,074
Bi2230_A		3.359	ug/L	0.8853	26.36	13.59
Y_3600_R		8,766.4	Cts/S	154.75	1.7653	8,766.4
Y_2243_A		7,245.9	Cts/S	6.8718	0.094838	7,245.9
Y_3600_A		188,920	Cts/S	323.73	0.17136	188,920

CCV

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:36:00PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		507.1	ug/L	0.1230	0.02426	9,913
Al3961_R		12,530	ug/L	1.557	0.01242	3,825
As1891_A		489.8	ug/L	1.046	0.2135	138.9
Au2427_A		496.8	ug/L	3.672	0.7391	1,708
B_2089_A		504.7	ug/L	2.421	0.4797	464.5
Ba4554_R		513.3	ug/L	1.659	0.3231	10,270
Be3130_R		509.2	ug/L	2.404	0.4721	20,760
Ca3158_R		12,890	ug/L	99.04	0.7681	8,034
Cd2265_A		502.3	ug/L	1.487	0.2960	7,355
Co2286_A		509.6	ug/L	2.245	0.4405	1,729
Cr2677_A		509.2	ug/L	0.9875	0.1939	7,101
Cu3273_A		514.7	ug/L	1.360	0.2642	6,390
Fe2599_R		12,810	ug/L	50.39	0.3932	10,370
K_7664_R		12,500	ug/L	51.79	0.4144	4,207
Li6707_R		505.1	ug/L	2.567	0.5081	2,789
Mg2025_A		12,770	ug/L	24.43	0.1913	2,215
Mn2576_R		513.4	ug/L	3.035	0.5911	2,297
Mo2020_A		500.8	ug/L	3.226	0.6442	980.9
Na5895_R		12,590	ug/L	24.25	0.1927	10,460
Ni2316_A		507.1	ug/L	0.6014	0.1186	1,003
Pb2203_A		507.1	ug/L	0.3575	0.07050	558.2
Sb2068_A		496.8	ug/L	1.158	0.2331	154.1
Se1960_A		493.1	ug/L	2.793	0.5664	92.10
Si2516_R		12,340	ug/L	82.19	0.6662	2,862
Sn1899_A		500.5	ug/L	1.991	0.3977	268.0
Sr4215_R		500.2	ug/L	1.228	0.2455	14,100
Ti3349_A		505.4	ug/L	0.8464	0.1675	12,710
Tl1908_A		510.4	ug/L	4.563	0.8940	238.7
V_2924_A		499.7	ug/L	1.319	0.2640	6,514
Zn2062_A		501.5	ug/L	3.024	0.6030	1,684
Bi2230_A		514.4	ug/L	2.774	0.5393	224.4
Y_3600_R		8,436.0	Cts/S	10.033	0.11894	8,436.0
Y_2243_A		7,094.1	Cts/S	45.227	0.63752	7,094.1
Y_3600_A		185,850	Cts/S	486.05	0.26153	185,850

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:40:23PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.05684	ug/L	0.5457	960.1	-21.59
Al3961_R		-20.47	ug/L	31.43	153.6	-19.33
As1891_A		-1.098	ug/L	0.6054	55.14	-1.378
Au2427_A		-1.170	ug/L	0.5264	44.98	-5.993
B_2089_A		0.9137	ug/L	0.3588	39.27	4.068
Ba4554_R		1.646	ug/L	0.06854	4.164	76.32
Be3130_R		-0.09839	ug/L	0.04777	48.55	-6.036
Ca3158_R		9.218	ug/L	9.494	103.0	0.8051
Cd2265_A		0.1169	ug/L	0.05901	50.50	0.7768
Co2286_A		-0.2728	ug/L	0.2658	97.43	8.630
Cr2677_A		0.1622	ug/L	0.05923	36.51	11.68
Cu3273_A		0.7358	ug/L	0.4521	61.44	16.78
Fe2599_R		5.783	ug/L	0.3341	5.777	10.52
K_7664_R		-170.6	ug/L	26.04	15.26	-49.73
Li6707_R		1.022	ug/L	0.2505	24.50	29.09
Mg2025_A		4.371	ug/L	0.8480	19.40	0.1999
Mn2576_R		0.5208	ug/L	0.9106	174.8	1.593

CCB

Method Name: K6010-2011+Bi
Method Revision: 17
Analyst Name: NAT
Acquire Date: 7/17/2013 9:40:23PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		0.1742	ug/L	0.2475	142.1	4.269
Na5895_R		18.94	ug/L	17.64	93.16	-129.9
Ni2316_A		0.3785	ug/L	0.1254	33.13	-0.1123
Pb2203_A		0.4495	ug/L	0.03672	8.169	1.151
Sb2068_A		0.5980	ug/L	2.144	358.5	1.119
Se1960_A		0.4918	ug/L	1.476	300.0	-0.8048
Si2516_R		1.942	ug/L	8.150	419.7	7.982
Sn1899_A		0.3206	ug/L	0.8725	272.1	0.3899
Sr4215_R		-0.4587	ug/L	0.007889	1.720	-53.25
Ti3349_A		0.1455	ug/L	0.1479	101.6	0.1607
Tl1908_A		-0.02625	ug/L	0.6879	2,621	0.2927
V_2924_A		0.06450	ug/L	0.3140	486.8	-0.5177
Zn2062_A		2.358	ug/L	0.1104	4.681	9.746
Bi2230_A		-0.4668	ug/L	0.8017	171.7	6.125
Y_3600_R		8,468.3	Cts/S	1.2360	0.014595	8,468.3
Y_2243_A		7,139.2	Cts/S	60.089	0.84169	7,139.2
Y_3600_A		189,760	Cts/S	1,919.3	1.0114	189,760

Katahdin Analytical Services 4000503

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: Thermo ICAP 6500 **ANALYST:** NT **ANALYSIS DATE:** 7/18/13

FILE NAME: IG618A

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

REVIEWED
SL 07-23-13
KATAHDIN ANALYTICAL
METALS SECTION

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Cal Blk, ICB, CCB	MW14314	7/9/13	7/9/14	0ug/L
Cal Std	MW14306	7/8/13	10/2/13	varies by element
ICV	MW14315	7/10/13	10/10/13	
PQL	MW14~~289~~305	7/8/13	10/3/13	
ICSA	MW14~~262~~289	6/26/13	9/26/13	
ICSAB	MW14~~304~~262A	6/6/13	9/5/13	
CCV	MW14304 NT	7/8/13	10/3/13	
internal Std	MW14318 7/23/13	7/15/13	10/15/13	5mg/L Y

Additional Comments and Notes:

SL 07-23-13

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG18A	7/18/2013	12:39	NAT
Std 1	1.000	IGG18A	7/18/2013	12:43	NAT
ICV	1.000	IGG18A	7/18/2013	12:48	NAT
ICB	1.000	IGG18A	7/18/2013	12:52	NAT
PQL	1.000	IGG18A	7/18/2013	12:57	NAT
ICSA	1.000	IGG18A	7/18/2013	13:01	NAT
ICSAB	1.000	IGG18A	7/18/2013	13:06	NAT
CCV	1.000	IGG18A	7/18/2013	13:10	NAT
CCB	1.000	IGG18A	7/18/2013	13:15	NAT
LCSWGG12ICW1	1.000	IGG18A	7/18/2013	13:19	NAT
PBWGG12ICW1	1.000	IGG18A	7/18/2013	13:24	NAT
SG4834-001R	1.000	IGG18A	7/18/2013	13:28	NAT
LC2OGG16ICS1	1.000	IGG18A	7/18/2013	13:33	NAT
LCSOGG16ICS1	1.000	IGG18A	7/18/2013	13:37	NAT
PBSGG16ICS1	1.000	IGG18A	7/18/2013	13:41	NAT
SG4923-001	1.000	IGG18A	7/18/2013	13:46	NAT
SG4959-001	1.000	IGG18A	7/18/2013	13:50	NAT
SG4986-002	1.000	IGG18A	7/18/2013	13:55	NAT
LC2OGG17ICS1	1.000	IGG18A	7/18/2013	13:59	NAT
CCV	1.000	IGG18A	7/18/2013	14:04	NAT
CCB	1.000	IGG18A	7/18/2013	14:08	NAT
LCSOGG17ICS1	1.000	IGG18A	7/18/2013	14:13	NAT
PBSGG17ICS1	1.000	IGG18A	7/18/2013	14:17	NAT
SG4875-009A	1.000	IGG18A	7/18/2013	14:22	NAT
SG4875-009L	5.000	IGG18A	7/18/2013	14:26	NAT
SG4875-009P	1.000	IGG18A	7/18/2013	14:30	NAT
SG4875-009S	1.000	IGG18A	7/18/2013	14:35	NAT
SG4875-010	1.000	IGG18A	7/18/2013	14:39	NAT
SG4959-002	1.000	IGG18A	7/18/2013	14:44	NAT
SG4974-012	1.000	IGG18A	7/18/2013	14:48	NAT
SG4972-001	1.000	IGG18A	7/18/2013	14:53	NAT
CCV	1.000	IGG18A	7/18/2013	14:57	NAT
CCB	1.000	IGG18A	7/18/2013	15:02	NAT
SG4770-001T	5.000	IGG18A	7/18/2013	15:06	NAT
CCV	1.000	IGG18A	7/18/2013	15:11	NAT
CCB	1.000	IGG18A	7/18/2013	15:15	NAT
PQL	1.000	IGG18A	7/18/2013	15:19	NAT
ICSA	1.000	IGG18A	7/18/2013	15:24	NAT
ICSAB	1.000	IGG18A	7/18/2013	15:29	NAT
CCV	1.000	IGG18A	7/18/2013	15:33	NAT
CCB	1.000	IGG18A	7/18/2013	15:38	NAT

Intensity Report

Author:

Published: 7/19/2013 8:37:32AM

Notes:

Blank

Method Name: K6010-2011+Bi

Method Revision: 23

Analyst Name: NAT

Acquire Date: 7/18/2013 12:39:17PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.0001321	Cts/S	0.0000008312	0.6294	-26.33
Al3961_R		-0.0009777	Cts/S	0.0002596	26.55	-14.14
As1891_A		-0.0002322	Cts/S	0.00001382	5.950	-1.742
Au2427_A		-0.00008609	Cts/S	0.0006617	768.6	-0.6339
B_2089_A		0.0003482	Cts/S	0.000007877	2.262	2.613
Ba4554_R		0.005182	Cts/S	0.0005928	11.44	74.98
Be3130_R		-0.0009780	Cts/S	0.0003929	40.17	-14.15
Ca3158_R		-0.0003396	Cts/S	0.000009900	2.915	-4.914
Cd2265_A		-0.0001194	Cts/S	0.00002723	22.80	-0.8966
Co2286_A		0.001636	Cts/S	0.0001029	6.290	12.27
Cr2677_A		0.00003963	Cts/S	0.00002006	50.63	7.897
Cu3273_A		0.00006301	Cts/S	0.00001403	22.27	12.56
Fe2599_R		0.0006921	Cts/S	0.00007484	10.81	10.01
K_7664_R		-0.006649	Cts/S	0.001985	29.86	-96.24
Li6707_R		0.0006907	Cts/S	0.0004227	61.20	10.00
Mg2025_A		-0.00006676	Cts/S	0.00007882	118.1	-0.5024
Mn2576_R		-0.0001813	Cts/S	0.00008582	47.35	-2.622
Mo2020_A		0.00008480	Cts/S	0.00003260	38.45	0.6357
Na5895_R		-0.01308	Cts/S	0.001307	9.993	-189.2
Ni2316_A		-0.0001277	Cts/S	0.00003271	25.61	-0.9591
Pb2203_A		0.0001333	Cts/S	0.0002270	170.3	1.004
Sb2068_A		0.0002292	Cts/S	0.00001204	5.253	1.720
Se1960_A		-0.0001580	Cts/S	0.00009770	61.84	-1.187
Si2516_R		0.0003882	Cts/S	0.00003264	8.407	5.617
Sn1899_A		-0.00001385	Cts/S	0.00001302	93.98	-0.1037
Sr4215_R		-0.007007	Cts/S	0.0004915	7.014	-101.4
Ti3349_A		-0.0001632	Cts/S	0.00003294	20.18	-32.54
Tl1908_A		0.00003786	Cts/S	0.00006095	161.0	0.2830
V_2924_A		0.000008208	Cts/S	0.000006345	77.30	-1.637
Zn2062_A		0.0003674	Cts/S	0.0000001954	0.05319	2.757
Bi2230_A		0.0009331	Cts/S	0.00004587	4.915	7.001
Y_3600_R		14,470	Cts/S	26.153	0.18073	14,470
Y_2243_A		7,503.7	Cts/S	36.408	0.48521	7,503.7
Y_3600_A		199,340	Cts/S	212.83	0.10677	199,340

Std 1

Method Name: K6010-2011+Bi

Method Revision: 23

Analyst Name: NAT

Acquire Date: 7/18/2013 12:43:45PM

Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1037	Cts/S	0.000004885	0.004713	19,650
Al3961_R		0.8843	Cts/S	0.002708	0.3063	12,760
As1891_A		0.03890	Cts/S	0.00007670	0.1972	285.3
Au2427_A		0.4540	Cts/S	0.003546	0.7811	3,330
B_2089_A		0.1267	Cts/S	0.0002846	0.2246	929.6
Ba4554_R		2.496	Cts/S	0.002480	0.09937	36,020
Be3130_R		4.259	Cts/S	0.009660	0.2268	61,460
Ca3158_R		1.715	Cts/S	0.008202	0.4783	24,750
Cd2265_A		2.024	Cts/S	0.003799	0.1878	14,840
Co2286_A		0.4748	Cts/S	0.001332	0.2806	3,483
Cr2677_A		0.07392	Cts/S	0.0002138	0.2892	14,010
Cu3273_A		0.06642	Cts/S	0.00008445	0.1272	12,590

Std 1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 12:43:45PM
Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Fe2599_R		2.015	Cts/S	0.008870	0.4403	29,070
K_7664_R		0.8988	Cts/S	0.0009828	0.1093	12,970
Li6707_R		0.5649	Cts/S	0.001142	0.2022	8,153
Mg2025_A		0.6488	Cts/S	0.001031	0.1589	4,759
Mn2576_R		0.4542	Cts/S	0.0007893	0.1738	6,555
Mo2020_A		0.2723	Cts/S	0.001436	0.5275	1,997
Na5895_R		2.499	Cts/S	0.0008711	0.03486	36,070
Ni2316_A		0.2748	Cts/S	0.0005421	0.1973	2,016
Pb2203_A		0.1532	Cts/S	0.0001799	0.1174	1,124
Sb2068_A		0.04272	Cts/S	0.0001339	0.3135	313.4
Se1960_A		0.02572	Cts/S	0.00005100	0.1983	188.7
Si2516_R		0.5773	Cts/S	0.002368	0.4102	8,332
Sn1899_A		0.07355	Cts/S	0.0003153	0.4286	539.5
Sr4215_R		3.445	Cts/S	0.007044	0.2045	49,720
Ti3349_A		0.1355	Cts/S	0.0001738	0.1283	25,700
Tl1908_A		0.06611	Cts/S	0.0002493	0.3771	484.9
V_2924_A		0.06602	Cts/S	0.00009990	0.1513	12,520
Zn2062_A		0.4597	Cts/S	0.001558	0.3389	3,372
Bi2230_A		0.06092	Cts/S	0.0001820	0.2987	446.8
Y_3600_R		14,432	Cts/S	51.063	0.35382	14,432
Y_2243_A		7,335.5	Cts/S	30.684	0.41829	7,335.5
Y_3600_A		189,600	Cts/S	1,032.3	0.54445	189,600

ICV

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 12:48:06PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		410.8	ug/L	0.3776	0.09191	8,222
Al3961_R		10,010	ug/L	113.4	1.133	5,047
As1891_A		402.7	ug/L	2.207	0.5480	114.5
Au2427_A		399.6	ug/L	1.202	0.3007	1,338
B_2089_A		415.7	ug/L	0.05483	0.01319	390.2
Ba4554_R		414.6	ug/L	3.481	0.8396	14,810
Be3130_R		412.7	ug/L	4.719	1.143	25,070
Ca3158_R		10,340	ug/L	62.23	0.6017	10,120
Cd2265_A		415.2	ug/L	0.05645	0.01359	6,196
Co2286_A	W	423.3	ug/L	0.4209	0.09944	1,489
Cr2677_A		409.2	ug/L	0.5204	0.1272	5,855
Cu3273_A		412.4	ug/L	0.1130	0.02741	5,305
Fe2599_R		10,040	ug/L	126.4	1.259	11,550
K_7664_R		13,780	ug/L	179.5	1.302	7,029
Li6707_R		409.8	ug/L	4.023	0.9818	3,309
Mg2025_A		10,380	ug/L	13.95	0.1344	1,987
Mn2576_R		410.9	ug/L	4.978	1.211	2,662
Mo2020_A		419.4	ug/L	0.08044	0.01918	842.5
Na5895_R		10,050	ug/L	35.39	0.3521	14,230
Ni2316_A		420.4	ug/L	0.7352	0.1749	851.4
Pb2203_A		416.3	ug/L	0.9670	0.2323	470.9
Sb2068_A		405.8	ug/L	2.531	0.6236	128.9
Se1960_A		410.0	ug/L	2.112	0.5152	77.09
Si2516_R		9,676	ug/L	73.19	0.7565	3,192
Sn1899_A		410.2	ug/L	0.1333	0.03249	222.5
Sr4215_R		406.9	ug/L	2.527	0.6211	19,940
Ti3349_A		407.9	ug/L	1.059	0.2597	10,670
Tl1908_A	W	426.2	ug/L	2.545	0.5972	208.0
V_2924_A		413.1	ug/L	0.8638	0.2091	5,274

ICV

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 12:48:06PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Zn2062_A		410.2	ug/L	0.3866	0.09425	1,392
Bi2230_A		420.9	ug/L	0.5053	0.1201	193.0
Y_3600_R		14,271	Cts/S	23.498	0.16466	14,271
Y_2243_A		7,375.1	Cts/S	23.147	0.31385	7,375.1
Y_3600_A		193,420	Cts/S	450.70	0.23302	193,420

ICB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 12:52:28PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4669	ug/L	0.1745	37.37	-35.61
Al3961_R		-14.87	ug/L	13.81	92.89	-21.44
As1891_A		0.7940	ug/L	1.202	151.4	-1.509
Au2427_A		-0.1465	ug/L	0.4850	331.1	-1.137
B_2089_A		1.850	ug/L	0.1807	9.768	4.389
Ba4554_R		0.2809	ug/L	0.01612	5.738	84.21
Be3130_R		0.1837	ug/L	0.03524	19.18	-2.837
Ca3158_R		-0.6834	ug/L	6.850	1,002	-5.562
Cd2265_A		-0.006687	ug/L	0.004795	71.70	-0.9985
Co2286_A		0.05779	ug/L	0.2514	435.0	12.50
Cr2677_A		0.01701	ug/L	0.1074	631.2	8.048
Cu3273_A		1.158	ug/L	0.3757	32.45	27.58
Fe2599_R		-0.4663	ug/L	2.190	469.6	9.358
K_7664_R		34.94	ug/L	47.58	136.2	-76.96
Li6707_R		-2.971	ug/L	0.5710	19.22	-14.13
Mg2025_A		2.023	ug/L	0.8379	41.42	-0.09621
Mn2576_R		0.3307	ug/L	0.1730	52.31	-0.4494
Mo2020_A		2.290	ug/L	0.3880	16.94	5.322
Na5895_R		0.4315	ug/L	1.404	325.4	-186.6
Ni2316_A		0.2525	ug/L	0.4174	165.3	-0.4323
Pb2203_A		-0.1875	ug/L	1.341	715.5	0.7847
Sb2068_A		-0.5645	ug/L	0.3609	63.93	1.537
Se1960_A		-1.875	ug/L	0.2472	13.18	-1.552
Si2516_R		4.741	ug/L	0.4615	9.736	7.133
Sn1899_A		1.465	ug/L	0.03623	2.472	0.7060
Sr4215_R		0.2952	ug/L	0.1596	54.06	-85.69
Ti3349_A		0.8626	ug/L	0.1147	13.29	-9.066
Tl1908_A		-0.1965	ug/L	0.6206	315.9	0.1854
V_2924_A		0.08381	ug/L	0.01424	16.99	-0.7618
Zn2062_A		-0.04751	ug/L	0.009490	19.98	2.596
Bi2230_A		-2.983	ug/L	2.317	77.66	5.674
Y_3600_R		14,316	Cts/S	127.55	0.89096	14,316
Y_2243_A		7,514.5	Cts/S	5.8895	0.078376	7,514.5
Y_3600_A		196,990	Cts/S	1,636.6	0.83081	196,990

PQL

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 12:57:00PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		10.08	ug/L	0.1088	1.080	181.6
Al3961_R		327.7	ug/L	11.12	3.392	153.4
As1891_A		7.900	ug/L	0.04171	0.5279	0.5812
Au2427_A		104.6	ug/L	1.033	0.9878	350.8
B_2089_A		52.14	ug/L	0.3598	0.6900	50.37
Ba4554_R		5.402	ug/L	0.1698	3.143	269.2

PQL

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 12:57:00PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Be3130_R		5.336	ug/L	0.1404	2.631	313.8
Ca3158_R		102.0	ug/L	1.274	1.249	96.15
Cd2265_A		5.125	ug/L	0.07287	1.422	76.53
Co2286_A		10.71	ug/L	0.01864	0.1740	50.10
Cr2677_A		10.60	ug/L	0.3311	3.123	162.9
Cu3273_A		27.59	ug/L	0.8523	3.089	375.6
Fe2599_R		102.0	ug/L	2.252	2.209	128.6
K_7664_R		1,018	ug/L	38.00	3.734	436.1
Li6707_R		103.4	ug/L	2.088	2.020	852.2
Mg2025_A		110.5	ug/L	1.832	1.658	21.19
Mn2576_R		5.376	ug/L	0.01667	0.3101	32.66
Mo2020_A		10.84	ug/L	0.1836	1.695	22.65
Na5895_R		1,047	ug/L	4.341	0.4144	1,331
Ni2316_A		10.61	ug/L	0.09859	0.9289	20.85
Pb2203_A		4.893	ug/L	0.1135	2.320	6.542
Sb2068_A		8.064	ug/L	2.954	36.63	3.977
Se1960_A		8.608	ug/L	3.864	44.89	0.4849
Si2516_R		213.4	ug/L	7.539	3.533	76.75
Sn1899_A		105.6	ug/L	1.212	1.148	57.91
Sr4215_R		10.76	ug/L	0.3791	3.523	435.2
Ti3349_A		15.48	ug/L	0.05056	0.3266	383.8
Tl1908_A		16.40	ug/L	0.8242	5.027	8.384
V_2924_A		10.19	ug/L	0.04856	0.4765	131.6
Zn2062_A		20.01	ug/L	0.3361	1.680	71.42
Bi2230_A		110.5	ug/L	1.083	0.9799	56.17
Y_3600_R		14,441	Cts/S	18.941	0.13116	14,441
Y_2243_A		7,466.8	Cts/S	40.112	0.53721	7,466.8
Y_3600_A		198,060	Cts/S	706.39	0.35665	198,060

ICSA

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:01:30PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.013	ug/L	0.3169	31.28	-723.8
Al3961_R		498,600	ug/L	3,146	0.6309	240,300
As1891_A		0.6679	ug/L	1.831	274.2	-10.16
Au2427_A		-11.30	ug/L	0.8806	7.796	75.27
B_2089_A		2.275	ug/L	0.05288	2.324	4.105
Ba4554_R		0.2844	ug/L	0.2564	90.13	80.28
Be3130_R		0.08672	ug/L	0.1280	147.6	-8.414
Ca3158_R		497,200	ug/L	8,303	1.670	465,100
Cd2265_A		0.2892	ug/L	0.1474	50.97	145.1
Co2286_A		-3.263	ug/L	0.1512	4.633	10.61
Cr2677_A		1.351	ug/L	0.1467	10.86	29.40
Cu3273_A		6.379	ug/L	0.02270	0.3558	63.84
Fe2599_R		194,000	ug/L	852.6	0.4396	213,100
K_7664_R		-30.43	ug/L	6.050	19.88	-105.7
Li6707_R		7.476	ug/L	0.9508	12.72	67.00
Mg2025_A		431,100	ug/L	1,826	0.4236	73,220
Mn2576_R		1.105	ug/L	0.2896	26.20	24.51
Mo2020_A		-0.7497	ug/L	0.6471	86.31	-0.7879
Na5895_R		32.44	ug/L	9.901	30.52	-133.8
Ni2316_A		1.268	ug/L	0.2255	17.79	-11.98
Pb2203_A		-2.190	ug/L	1.921	87.74	-62.56
Sb2068_A		-1.045	ug/L	1.183	113.2	4.612
Se1960_A		0.7570	ug/L	3.255	429.9	-2.637

ICSA

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:01:30PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Si2516_R		32.54	ug/L	3.024	9.295	1.798
Sn1899_A		2.726	ug/L	1.200	44.01	1.234
Sr4215_R		2.582	ug/L	0.3303	12.79	25.88
Ti3349_A		3.500	ug/L	0.2943	8.411	52.09
Tl1908_A		-0.005170	ug/L	0.5629	10,890	1.547
V_2924_A		-1.004	ug/L	0.1662	16.55	24.41
Zn2062_A		8.563	ug/L	0.04583	0.5352	28.43
Bi2230_A		-7.653	ug/L	0.8565	11.19	21.95
Y_3600_R		13,638	Cts/S	174.50	1.2794	13,638
Y_2243_A		6,603.7	Cts/S	11.165	0.16907	6,603.7
Y_3600_A		167,220	Cts/S	805.10	0.48148	167,220

ICSAB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:06:08PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		219.7	ug/L	0.4558	0.2075	3,118
Al3961_R		493,900	ug/L	4,023	0.8145	241,400
As1891_A		100.4	ug/L	1.130	1.125	16.11
Au2427_A		509.4	ug/L	3.094	0.6074	1,640
B_2089_A		501.1	ug/L	1.414	0.2822	423.4
Ba4554_R		517.0	ug/L	0.8328	0.1611	17,880
Be3130_R		517.8	ug/L	1.185	0.2289	30,500
Ca3158_R		492,200	ug/L	3,744	0.7607	467,000
Cd2265_A		966.1	ug/L	0.8271	0.08561	13,130
Co2286_A		475.1	ug/L	0.8269	0.1740	1,517
Cr2677_A		503.3	ug/L	2.540	0.5047	6,278
Cu3273_A		522.8	ug/L	2.096	0.4010	5,841
Fe2599_R		192,600	ug/L	60.43	0.03137	214,700
K_7664_R		21,800	ug/L	57.26	0.2627	10,830
Li6707_R		541.8	ug/L	0.8545	0.1577	4,238
Mg2025_A		429,500	ug/L	394.8	0.09193	73,510
Mn2576_R		486.1	ug/L	0.1510	0.03106	3,072
Mo2020_A		493.7	ug/L	2.710	0.5489	894.7
Na5895_R		21,030	ug/L	55.56	0.2642	29,050
Ni2316_A		937.9	ug/L	0.4895	0.05219	1,702
Pb2203_A		42.29	ug/L	0.1830	0.4328	-17.68
Sb2068_A		600.1	ug/L	4.813	0.8020	174.4
Se1960_A		50.11	ug/L	4.676	9.331	5.892
Si2516_R		2,031	ug/L	14.62	0.7195	641.8
Sn1899_A		477.0	ug/L	0.7265	0.1523	233.4
Sr4215_R		512.0	ug/L	1.157	0.2261	24,350
Ti3349_A		512.1	ug/L	2.646	0.5168	11,680
Tl1908_A		91.05	ug/L	1.165	1.280	40.97
V_2924_A		512.1	ug/L	2.228	0.4351	5,733
Zn2062_A		971.6	ug/L	0.4692	0.04830	2,974
Bi2230_A		486.3	ug/L	1.521	0.3127	218.0
Y_3600_R		13,831	Cts/S	176.03	1.2727	13,831
Y_2243_A		6,653.8	Cts/S	12.231	0.18381	6,653.8
Y_3600_A		168,520	Cts/S	137.84	0.081795	168,520

CCV

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:10:44PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio

CCV

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:10:44PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		498.1	ug/L	1.471	0.2953	9,755
Al3961_R		12,840	ug/L	39.92	0.3110	6,386
As1891_A		485.3	ug/L	1.731	0.3568	137.7
Au2427_A		494.1	ug/L	3.892	0.7877	1,648
B_2089_A		491.3	ug/L	6.918	1.408	459.1
Ba4554_R		508.8	ug/L	3.556	0.6990	17,920
Be3130_R		510.2	ug/L	1.125	0.2205	30,590
Ca3158_R		12,680	ug/L	47.91	0.3779	12,240
Cd2265_A		495.6	ug/L	4.948	0.9985	7,366
Co2286_A		502.5	ug/L	5.195	1.034	1,759
Cr2677_A		506.4	ug/L	0.3424	0.06761	7,087
Cu3273_A		508.5	ug/L	0.03889	0.007647	6,397
Fe2599_R		12,810	ug/L	48.57	0.3791	14,540
K_7664_R		12,710	ug/L	34.19	0.2689	6,390
Li6707_R		511.2	ug/L	0.7105	0.1390	4,071
Mg2025_A		12,640	ug/L	116.6	0.9221	2,409
Mn2576_R		509.3	ug/L	1.920	0.3769	3,256
Mo2020_A		503.9	ug/L	5.894	1.170	1,008
Na5895_R		12,730	ug/L	85.11	0.6684	17,830
Ni2316_A		500.4	ug/L	4.414	0.8821	1,009
Pb2203_A		502.1	ug/L	3.379	0.6729	565.4
Sb2068_A		492.6	ug/L	6.420	1.303	155.4
Se1960_A		486.2	ug/L	10.39	2.137	91.25
Si2516_R		12,660	ug/L	68.71	0.5428	4,119
Sn1899_A		499.1	ug/L	6.330	1.268	269.6
Sr4215_R		508.8	ug/L	2.563	0.5038	24,630
Ti3349_A		501.1	ug/L	1.551	0.3094	12,840
Tl1908_A		503.4	ug/L	3.582	0.7115	244.5
V_2924_A		503.8	ug/L	0.9982	0.1981	6,293
Zn2062_A		496.3	ug/L	5.737	1.156	1,677
Bi2230_A		494.1	ug/L	5.876	1.189	224.6
Y_3600_R		14,081	Cts/S	67.250	0.47760	14,081
Y_2243_A		7,345.3	Cts/S	49.227	0.67018	7,345.3
Y_3600_A		189,230	Cts/S	265.68	0.14040	189,230

CCB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:15:06PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1238	ug/L	0.4894	395.2	-23.60
Al3961_R		1.415	ug/L	29.70	2,099	-12.77
As1891_A		1.112	ug/L	0.5137	46.18	-1.415
Au2427_A		-0.6273	ug/L	0.2981	47.53	-2.760
B_2089_A		1.935	ug/L	0.01318	0.6815	4.448
Ba4554_R		0.3726	ug/L	0.05313	14.26	85.03
Be3130_R		0.2237	ug/L	0.001508	0.6742	-0.3700
Ca3158_R		-2.579	ug/L	0.6514	25.26	-7.190
Cd2265_A		0.02372	ug/L	0.003370	14.21	-0.5354
Co2286_A		0.1766	ug/L	0.2792	158.1	12.91
Cr2677_A		0.1568	ug/L	0.2999	191.2	10.14
Cu3273_A		1.644	ug/L	0.1428	8.683	34.12
Fe2599_R		0.7692	ug/L	2.073	269.5	10.51
K_7664_R		11.54	ug/L	40.02	346.8	-86.57
Li6707_R		-2.276	ug/L	0.2374	10.43	-8.273
Mg2025_A		2.930	ug/L	1.160	39.58	0.08124
Mn2576_R		0.2162	ug/L	0.1698	78.54	-1.148

CCB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:15:06PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		1.859	ug/L	0.1676	9.015	4.437
Na5895_R		17.34	ug/L	5.080	29.30	-157.8
Ni2316_A		0.1695	ug/L	0.2062	121.6	-0.6044
Pb2203_A		-0.6529	ug/L	0.2925	44.81	0.2447
Sb2068_A		1.472	ug/L	0.8693	59.06	2.189
Se1960_A		0.02730	ug/L	0.4518	1,655	-1.181
Si2516_R		14.90	ug/L	2.157	14.48	10.19
Sn1899_A		0.6248	ug/L	0.2392	38.28	0.2412
Sr4215_R		0.1674	ug/L	0.2402	143.5	-89.54
Ti3349_A		0.6897	ug/L	0.1305	18.92	-13.77
Tl1908_A		0.6564	ug/L	1.155	176.0	0.6096
V_2924_A		0.2953	ug/L	0.1886	63.85	2.071
Zn2062_A		-0.1854	ug/L	0.2458	132.6	2.117
Bi2230_A		-2.233	ug/L	0.6054	27.11	6.007
Y_3600_R		13,914	Cts/S	182.93	1.3147	13,914
Y_2243_A		7,508.9	Cts/S	14.610	0.19456	7,508.9
Y_3600_A		198,010	Cts/S	163.09	0.082363	198,010

LCSWGG12ICW1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:19:37PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.26	ug/L	0.3230	0.6181	1,030
Al3961_R		2,068	ug/L	11.18	0.5409	1,037
As1891_A	W	116.6	ug/L	0.05827	0.04999	32.65
Au2427_A		-5.844	ug/L	0.8844	15.13	-11.04
B_2089_A		502.5	ug/L	1.057	0.2103	471.6
Ba4554_R		2,068	ug/L	11.62	0.5621	73,670
Be3130_R		52.53	ug/L	0.1175	0.2237	3,176
Ca3158_R		2,598	ug/L	25.05	0.9644	2,542
Cd2265_A		247.9	ug/L	0.3820	0.1541	3,757
Co2286_A		523.6	ug/L	0.01843	0.003520	1,869
Cr2677_A		206.9	ug/L	0.5539	0.2678	2,989
Cu3273_A		263.5	ug/L	0.8943	0.3394	3,416
Fe2599_R		1,030	ug/L	7.687	0.7467	1,195
K_7664_R		10,200	ug/L	27.06	0.2653	5,183
Li6707_R		506.8	ug/L	7.764	1.532	4,096
Mg2025_A		5,262	ug/L	8.273	0.1572	1,036
Mn2576_R		512.8	ug/L	4.911	0.9578	3,326
Mo2020_A		296.7	ug/L	2.415	0.8142	605.9
Na5895_R		7,607	ug/L	49.84	0.6552	10,740
Ni2316_A		518.1	ug/L	0.9289	0.1793	1,067
Pb2203_A		102.2	ug/L	0.4169	0.4080	118.1
Sb2068_A		99.77	ug/L	3.429	3.437	32.34
Se1960_A		93.75	ug/L	2.336	2.491	17.04
Si2516_R		4,827	ug/L	7.641	0.1583	1,598
Sn1899_A		504.3	ug/L	1.234	0.2447	278.0
Sr4215_R		503.7	ug/L	2.915	0.5788	24,740
Ti3349_A		497.9	ug/L	0.4575	0.09189	13,140
Tl1908_A		100.4	ug/L	0.6782	0.6757	49.39
V_2924_A		511.6	ug/L	0.7586	0.1483	6,626
Zn2062_A		513.4	ug/L	1.420	0.2766	1,772
Bi2230_A		-2.791	ug/L	0.2556	9.158	5.858
Y_3600_R		14,290	Cts/S	58.149	0.40692	14,290
Y_2243_A		7,497.2	Cts/S	12.402	0.16542	7,497.2
Y_3600_A		195,030	Cts/S	1,808.9	0.92748	195,030

PBWGG12ICW1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:24:03PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.01841	ug/L	0.3781	2,054	-26.08
Al3961_R		11.91	ug/L	20.45	171.7	-8.045
As1891_A		0.9965	ug/L	1.379	138.4	-1.467
Au2427_A		0.2814	ug/L	0.3225	114.6	0.3001
B_2089_A		1.652	ug/L	0.4130	25.00	4.224
Ba4554_R		0.6796	ug/L	0.1239	18.23	99.10
Be3130_R		0.1536	ug/L	0.03251	21.17	-4.719
Ca3158_R		8.600	ug/L	7.351	85.48	3.643
Cd2265_A		-0.008126	ug/L	0.006968	85.75	-1.029
Co2286_A		-0.08101	ug/L	0.02426	29.94	12.15
Cr2677_A		0.2652	ug/L	0.1539	58.03	11.86
Cu3273_A		0.8543	ug/L	0.2263	26.49	23.97
Fe2599_R		2.816	ug/L	3.862	137.1	13.23
K_7664_R		0.5004	ug/L	50.42	10,080	-95.49
Li6707_R		0.9984	ug/L	2.822	282.7	18.18
Mg2025_A		8.000	ug/L	0.9880	12.35	1.057
Mn2576_R		-0.6008	ug/L	0.2988	49.73	-6.556
Mo2020_A		1.382	ug/L	0.1120	8.106	3.503
Na5895_R		46.07	ug/L	6.177	13.41	-121.8
Ni2316_A		0.1223	ug/L	0.4176	341.5	-0.7111
Pb2203_A		-0.4837	ug/L	0.2920	60.37	0.4444
Sb2068_A		0.1702	ug/L	0.2284	134.2	1.795
Se1960_A		-0.1958	ug/L	3.062	1,564	-1.240
Si2516_R		35.07	ug/L	4.147	11.82	17.27
Sn1899_A		0.6643	ug/L	0.2805	42.23	0.2662
Sr4215_R		0.2927	ug/L	0.1267	43.28	-86.43
Ti3349_A		0.9353	ug/L	0.09786	10.46	-7.265
Tl1908_A		0.1022	ug/L	0.5010	490.2	0.3393
V_2924_A		-0.2229	ug/L	0.2413	108.2	-4.793
Zn2062_A	F	24.93	ug/L	0.2218	0.8899	89.90
Bi2230_A		-1.118	ug/L	1.312	117.3	6.583
Y_3600_R		14,418	Cts/S	130.31	0.90386	14,418
Y_2243_A		7,598.9	Cts/S	15.249	0.20068	7,598.9
Y_3600_A		200,270	Cts/S	395.80	0.19763	200,270

SG4834-001R

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:28:33PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2458	ug/L	0.04788	19.48	-30.35
Al3961_R		24,870	ug/L	707.2	2.844	12,670
As1891_A		-0.1292	ug/L	2.577	1,994	-1.766
Au2427_A		-1.735	ug/L	1.009	58.18	-4.846
B_2089_A		3.747	ug/L	0.2307	6.158	6.061
Ba4554_R		3.940	ug/L	0.2167	5.499	216.3
Be3130_R		0.1086	ug/L	0.01664	15.33	-7.437
Ca3158_R		1,620	ug/L	46.37	2.862	1,599
Cd2265_A		0.02078	ug/L	0.03392	163.3	-0.5531
Co2286_A		-0.1681	ug/L	0.04255	25.31	11.69
Cr2677_A		3.245	ug/L	0.2753	8.484	53.57
Cu3273_A		75.69	ug/L	2.525	3.336	978.1
Fe2599_R		33.18	ug/L	0.02985	0.08995	48.55
K_7664_R		579.4	ug/L	3.916	0.6759	206.8
Li6707_R		-1.792	ug/L	2.513	140.2	-4.469
Mg2025_A		831.5	ug/L	13.91	1.673	160.0
Mn2576_R		73.68	ug/L	1.074	1.458	480.4

SG4834-001R

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:28:33PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		0.7339	ug/L	0.3000	40.88	2.133
Na5895_R		36,230	ug/L	393.1	1.085	52,340
Ni2316_A		2.502	ug/L	0.1810	7.236	4.200
Pb2203_A		-0.01434	ug/L	0.1189	828.7	-2.806
Sb2068_A		0.8085	ug/L	1.255	155.2	2.127
Se1960_A		0.03028	ug/L	1.245	4,112	-1.265
Si2516_R		159.4	ug/L	9.126	5.727	58.67
Sn1899_A		2.185	ug/L	0.001855	0.08490	1.102
Sr4215_R		5.370	ug/L	0.008195	0.1526	166.3
Ti3349_A		0.3038	ug/L	0.01519	4.998	-23.35
Tl1908_A		-2.948	ug/L	0.5977	20.27	-1.226
V_2924_A		0.2071	ug/L	0.4757	229.7	0.6266
Zn2062_A		49.14	ug/L	1.084	2.207	172.3
Bi2230_A		-2.375	ug/L	1.820	76.64	6.049
Y_3600_R		14,428	Cts/S	220.61	1.5290	14,428
Y_2243_A		7,504.9	Cts/S	89.296	1.1898	7,504.9
Y_3600_A		191,560	Cts/S	3,773.6	1.9699	191,560

LC2OGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:33:02PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.45	ug/L	0.6253	1.239	982.9
Al3961_R		2,037	ug/L	24.70	1.213	1,015
As1891_A		94.65	ug/L	2.289	2.419	25.91
Au2427_A		-4.066	ug/L	1.458	35.87	-5.182
B_2089_A		496.2	ug/L	9.221	1.858	460.7
Ba4554_R		2,023	ug/L	15.08	0.7455	71,600
Be3130_R		51.40	ug/L	0.3713	0.7225	3,086
Ca3158_R		2,636	ug/L	21.86	0.8294	2,562
Cd2265_A		245.4	ug/L	3.874	1.579	3,677
Co2286_A		514.4	ug/L	9.193	1.787	1,816
Cr2677_A		203.0	ug/L	1.137	0.5599	2,905
Cu3273_A		258.0	ug/L	0.7378	0.2860	3,311
Fe2599_R		1,034	ug/L	6.871	0.6648	1,192
K_7664_R		10,120	ug/L	128.3	1.268	5,105
Li6707_R		502.4	ug/L	1.624	0.3233	4,033
Mg2025_A		5,202	ug/L	78.97	1.518	1,013
Mn2576_R		502.8	ug/L	2.261	0.4497	3,239
Mo2020_A		296.5	ug/L	6.055	2.042	598.7
Na5895_R		7,528	ug/L	37.73	0.5012	10,550
Ni2316_A		507.6	ug/L	8.010	1.578	1,034
Pb2203_A		102.1	ug/L	1.767	1.731	116.6
Sb2068_A		100.5	ug/L	1.249	1.243	32.15
Se1960_A		97.76	ug/L	4.973	5.086	17.62
Si2516_R	F	3,015	ug/L	23.59	0.7825	993.9
Sn1899_A		520.5	ug/L	7.975	1.532	283.8
Sr4215_R		500.1	ug/L	3.758	0.7514	24,400
Ti3349_A		494.0	ug/L	0.5876	0.1189	12,910
Tl1908_A		100.0	ug/L	2.171	2.171	48.69
V_2924_A		498.8	ug/L	2.527	0.5067	6,396
Zn2062_A		503.6	ug/L	7.728	1.535	1,719
Bi2230_A		-4.641	ug/L	2.388	51.46	4.971
Y_3600_R		14,194	Cts/S	75.692	0.53329	14,194
Y_2243_A		7,414.6	Cts/S	79.279	1.0692	7,414.6
Y_3600_A		193,110	Cts/S	831.66	0.43066	193,110

LCSOGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:37:27PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.55	ug/L	0.8529	1.687	983.9
Al3961_R		2,022	ug/L	27.57	1.364	1,010
As1891_A		94.00	ug/L	0.7259	0.7723	25.63
Au2427_A		-5.002	ug/L	0.3447	6.892	-8.209
B_2089_A		498.8	ug/L	1.041	0.2087	461.3
Ba4554_R		2,010	ug/L	5.309	0.2641	71,380
Be3130_R		51.34	ug/L	0.6670	1.299	3,092
Ca3158_R		2,642	ug/L	16.09	0.6090	2,575
Cd2265_A		246.0	ug/L	0.2334	0.09488	3,671
Co2286_A		515.1	ug/L	0.6858	0.1331	1,812
Cr2677_A		203.2	ug/L	0.6083	0.2993	2,905
Cu3273_A		257.4	ug/L	0.06058	0.02354	3,300
Fe2599_R		1,040	ug/L	15.85	1.523	1,203
K_7664_R		10,010	ug/L	1.567	0.01565	5,069
Li6707_R		501.2	ug/L	0.8174	0.1631	4,036
Mg2025_A		5,219	ug/L	5.369	0.1029	1,012
Mn2576_R		504.9	ug/L	5.182	1.026	3,263
Mo2020_A		298.6	ug/L	0.3480	0.1166	600.7
Na5895_R		7,453	ug/L	12.43	0.1668	10,480
Ni2316_A		508.0	ug/L	0.01091	0.002148	1,031
Pb2203_A		102.6	ug/L	0.8109	0.7906	116.8
Sb2068_A		102.2	ug/L	1.233	1.207	32.54
Se1960_A		96.21	ug/L	3.150	3.274	17.25
Si2516_R	F	2,945	ug/L	21.02	0.7138	974.1
Sn1899_A		525.3	ug/L	1.375	0.2618	285.3
Sr4215_R		499.1	ug/L	2.543	0.5095	24,430
Ti3349_A		495.3	ug/L	0.7820	0.1579	12,930
Tl1908_A		100.4	ug/L	2.828	2.817	48.67
V_2924_A		499.0	ug/L	1.367	0.2739	6,392
Zn2062_A		504.7	ug/L	1.162	0.2302	1,716
Bi2230_A		-3.849	ug/L	1.905	49.49	5.308
Y_3600_R		14,238	Cts/S	111.29	0.78163	14,238
Y_2243_A		7,385.7	Cts/S	24.401	0.33039	7,385.7
Y_3600_A		192,900	Cts/S	106.59	0.055259	192,900

PBSGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:41:52PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5057	ug/L	0.4960	98.10	-36.94
Al3961_R		22.23	ug/L	27.44	123.4	-2.801
As1891_A		-1.410	ug/L	0.4365	30.96	-2.181
Au2427_A		-0.6903	ug/L	0.7828	113.4	-2.983
B_2089_A		3.053	ug/L	0.1665	5.455	5.502
Ba4554_R		0.7093	ug/L	0.1061	14.96	101.1
Be3130_R		0.1594	ug/L	0.1513	94.88	-4.437
Ca3158_R		81.41	ug/L	4.358	5.353	76.29
Cd2265_A		0.01778	ug/L	0.07091	398.8	-0.6218
Co2286_A		-0.2282	ug/L	0.2824	123.8	11.60
Cr2677_A		0.5536	ug/L	0.01851	3.344	16.05
Cu3273_A		1.437	ug/L	0.3475	24.18	31.56
Fe2599_R		13.52	ug/L	0.09423	0.6970	25.91
K_7664_R		41.77	ug/L	33.18	79.44	-74.67
Li6707_R		-0.09704	ug/L	1.390	1,432	9.279
Mg2025_A		26.68	ug/L	3.251	12.19	4.696
Mn2576_R		0.8033	ug/L	0.03890	4.843	2.672

PBSGG16ICS1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:41:52PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		1.138	ug/L	0.2748	24.16	2.993
Na5895_R		47.66	ug/L	7.428	15.58	-120.6
Ni2316_A		0.6252	ug/L	0.4856	77.67	0.3375
Pb2203_A		0.9931	ug/L	0.5580	56.18	2.164
Sb2068_A		-0.6739	ug/L	0.8915	132.3	1.455
Se1960_A		0.5755	ug/L	2.821	490.1	-1.085
Si2516_R		36.97	ug/L	2.410	6.518	18.05
Sn1899_A		21.76	ug/L	0.2590	1.190	12.04
Sr4215_R		0.3729	ug/L	0.1889	50.64	-83.18
Ti3349_A		1.438	ug/L	0.01082	0.7520	6.364
Tl1908_A		-0.4440	ug/L	0.8577	193.2	0.06130
V_2924_A		-0.3372	ug/L	0.08284	24.57	-6.277
Zn2062_A		0.9449	ug/L	0.09426	9.976	6.081
Bi2230_A		-1.862	ug/L	1.350	72.49	6.238
Y_3600_R		14,546	Cts/S	73.272	0.50374	14,546
Y_2243_A		7,586.1	Cts/S	15.450	0.20366	7,586.1
Y_3600_A		199,350	Cts/S	607.82	0.30489	199,350

SG4923-001

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:46:23PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		65.11	ug/L	1.106	1.699	789.6
Al3961_R		158,300	ug/L	2.147	0.001356	80,350
As1891_A		74.74	ug/L	2.002	2.679	14.38
Au2427_A		-70.30	ug/L	0.7387	1.051	-12.13
B_2089_A		1,004	ug/L	2.488	0.2479	886.5
Ba4554_R		1,347	ug/L	0.5771	0.04285	48,240
Be3130_R		4.213	ug/L	0.06359	1.510	146.0
Ca3158_R		180,000	ug/L	427.6	0.2375	177,300
Cd2265_A		10.60	ug/L	0.1037	0.9774	238.9
Co2286_A		40.31	ug/L	0.1861	0.4618	174.2
Cr2677_A		371.3	ug/L	0.2243	0.06042	5,090
Cu3273_A		2,689	ug/L	2.782	0.1035	32,950
Fe2599_R		103,000	ug/L	187.5	0.1821	119,100
K_7664_R		61,730	ug/L	350.9	0.5684	32,000
Li6707_R		78.87	ug/L	1.231	1.561	648.8
Mg2025_A		34,450	ug/L	92.76	0.2693	6,385
Mn2576_R		9,528	ug/L	34.86	0.3659	62,150
Mo2020_A		107.3	ug/L	0.5601	0.5219	211.0
Na5895_R		13,170	ug/L	75.05	0.5700	18,810
Ni2316_A		163.4	ug/L	0.6124	0.3747	315.2
Pb2203_A		401.5	ug/L	2.532	0.6306	425.1
Sb2068_A		24.51	ug/L	3.392	13.84	11.12
Se1960_A		23.09	ug/L	4.152	17.98	3.416
Si2516_R		4,517	ug/L	18.22	0.4033	1,495
Sn1899_A		174.2	ug/L	0.1329	0.07626	92.24
Sr4215_R		609.2	ug/L	0.1822	0.02991	30,090
Ti3349_A		2,480	ug/L	8.378	0.3378	62,090
Tl1908_A		5.797	ug/L	1.039	17.92	-12.71
V_2924_A		266.6	ug/L	1.088	0.4080	3,270
Zn2062_A		3,792	ug/L	10.19	0.2688	12,560
Bi2230_A		154.3	ug/L	1.660	1.075	83.51
Y_3600_R		14,358	Cts/S	62.802	0.43741	14,358
Y_2243_A		7,204.1	Cts/S	20.494	0.28448	7,204.1
Y_3600_A		184,670	Cts/S	27.953	0.015137	184,670

SG4959-001

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:50:48PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		34.87	ug/L	0.2493	0.7148	-263.2
Al3961_R		117,900	ug/L	916.5	0.7774	63,460
As1891_A		93.42	ug/L	3.104	3.322	15.24
Au2427_A		-17.01	ug/L	0.04656	0.2738	99.96
B_2089_A		282.9	ug/L	1.830	0.6468	266.5
Ba4554_R		902.1	ug/L	5.157	0.5717	34,300
Be3130_R		5.772	ug/L	0.06577	1.139	103.9
Ca3158_R		26,180	ug/L	118.8	0.4536	27,350
Cd2265_A		132.0	ug/L	1.008	0.7636	2,203
Co2286_A		54.16	ug/L	0.4670	0.8622	266.8
Cr2677_A		3,337	ug/L	9.315	0.2792	48,140
Cu3273_A		6,745	ug/L	27.41	0.4063	87,380
Fe2599_R		207,700	ug/L	1,345	0.6477	254,800
K_7664_R		25,730	ug/L	85.60	0.3328	14,090
Li6707_R		263.8	ug/L	0.07379	0.02797	2,278
Mg2025_A		52,170	ug/L	362.9	0.6956	10,170
Mn2576_R		1,825	ug/L	12.42	0.6803	12,640
Mo2020_A		79.95	ug/L	0.4409	0.5515	166.1
Na5895_R		42,000	ug/L	174.8	0.4162	64,090
Ni2316_A		670.9	ug/L	2.785	0.4151	1,380
Pb2203_A		3,514	ug/L	24.71	0.7030	4,080
Sb2068_A		54.10	ug/L	0.2207	0.4080	31.53
Se1960_A		8.735	ug/L	0.1577	1.805	0.08996
Si2516_R		3,320	ug/L	23.80	0.7168	1,158
Sn1899_A		492.7	ug/L	3.306	0.6710	274.6
Sr4215_R		386.4	ug/L	2.690	0.6963	20,210
Ti3349_A		5,991	ug/L	20.23	0.3377	158,600
Tl1908_A		3.082	ug/L	1.081	35.07	-4.959
V_2924_A		427.9	ug/L	1.925	0.4499	5,463
Zn2062_A		8,740	ug/L	67.65	0.7740	30,450
Bi2230_A		-30.17	ug/L	3.014	9.990	14.83
Y_3600_R		15,231	Cts/S	13.256	0.087036	15,231
Y_2243_A		7,578.5	Cts/S	26.427	0.34871	7,578.5
Y_3600_A		195,230	Cts/S	509.66	0.26105	195,230

SG4986-002

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:55:13PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4381	ug/L	0.3266	74.54	-53.14
Al3961_R		502.5	ug/L	0.2277	0.04530	244.0
As1891_A		0.4009	ug/L	0.5848	145.9	-2.052
Au2427_A		-1.958	ug/L	0.06458	3.298	0.4746
B_2089_A		17.84	ug/L	0.3117	1.747	19.85
Ba4554_R		12.53	ug/L	0.01015	0.08100	528.0
Be3130_R		0.06444	ug/L	0.04610	71.54	-12.30
Ca3158_R		550.7	ug/L	10.79	1.959	543.0
Cd2265_A		0.5518	ug/L	0.06639	12.03	14.20
Co2286_A		10.46	ug/L	0.05885	0.5628	50.71
Cr2677_A		58.28	ug/L	0.1284	0.2203	866.8
Cu3273_A		697.5	ug/L	1.068	0.1531	9,264
Fe2599_R		8,023	ug/L	142.9	1.781	9,386
K_7664_R		911.7	ug/L	24.39	2.676	382.7
Li6707_R		1.625	ug/L	3.940	242.5	23.56
Mg2025_A		234.6	ug/L	1.217	0.5186	45.20
Mn2576_R		172.6	ug/L	2.646	1.533	1,135

SG4986-002

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:55:13PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		21.60	ug/L	0.3509	1.624	45.18
Na5895_R		2,034	ug/L	14.87	0.7311	2,776
Ni2316_A		124.8	ug/L	0.6264	0.5018	258.3
Pb2203_A		305.2	ug/L	3.057	1.002	356.3
Sb2068_A		5.828	ug/L	0.5426	9.310	3.570
Se1960_A		-1.792	ug/L	2.742	153.0	-1.540
Si2516_R		667.2	ug/L	22.74	3.408	228.4
Sn1899_A		43.14	ug/L	0.2263	0.5246	23.93
Sr4215_R		2.547	ug/L	0.1107	4.348	25.91
Ti3349_A		51.47	ug/L	0.4695	0.9122	1,360
Tl1908_A		-2.654	ug/L	0.2502	9.429	-1.401
V_2924_A		2.831	ug/L	0.1614	5.701	31.69
Zn2062_A		5,416	ug/L	24.90	0.4598	18,870
Bi2230_A		-2.562	ug/L	2.901	113.3	6.716
Y_3600_R		14,508	Cts/S	213.15	1.4691	14,508
Y_2243_A		7,572.9	Cts/S	34.352	0.45362	7,572.9
Y_3600_A		199,420	Cts/S	166.33	0.083407	199,420

LC2OGG17ICS1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 1:59:43PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.58	ug/L	0.2328	0.4602	987.2
Al3961_R		2,081	ug/L	35.03	1.683	1,037
As1891_A		94.44	ug/L	0.7971	0.8440	25.87
Au2427_A		-4.968	ug/L	0.08884	1.788	-8.055
B_2089_A		501.4	ug/L	1.461	0.2914	465.8
Ba4554_R		2,047	ug/L	3.270	0.1598	72,450
Be3130_R		52.34	ug/L	0.4830	0.9228	3,143
Ca3158_R		2,675	ug/L	4.250	0.1589	2,600
Cd2265_A		247.6	ug/L	0.1287	0.05200	3,712
Co2286_A		518.7	ug/L	0.6068	0.1170	1,833
Cr2677_A		204.9	ug/L	0.05330	0.02601	2,937
Cu3273_A		261.2	ug/L	0.9667	0.3702	3,358
Fe2599_R		1,052	ug/L	6.234	0.5926	1,213
K_7664_R		10,300	ug/L	44.97	0.4367	5,200
Li6707_R		507.6	ug/L	0.7358	0.1450	4,076
Mg2025_A		5,282	ug/L	8.526	0.1614	1,029
Mn2576_R		509.1	ug/L	5.618	1.104	3,280
Mo2020_A		297.2	ug/L	0.3891	0.1309	600.7
Na5895_R		7,680	ug/L	19.74	0.2571	10,770
Ni2316_A		508.8	ug/L	0.1211	0.02379	1,037
Pb2203_A		103.5	ug/L	1.897	1.834	118.3
Sb2068_A		101.4	ug/L	1.087	1.072	32.44
Se1960_A		98.36	ug/L	3.836	3.900	17.75
Si2516_R	F	3,173	ug/L	16.30	0.5135	1,046
Sn1899_A		528.0	ug/L	0.9898	0.1875	288.1
Sr4215_R		505.5	ug/L	2.281	0.4513	24,670
Ti3349_A		497.1	ug/L	0.09750	0.01961	13,010
Tl1908_A		99.99	ug/L	0.8625	0.8626	48.70
V_2924_A		498.6	ug/L	2.468	0.4951	6,404
Zn2062_A		507.3	ug/L	0.1383	0.02726	1,733
Bi2230_A		-3.429	ug/L	1.034	30.16	5.518
Y_3600_R		14,196	Cts/S	21.208	0.14940	14,196
Y_2243_A		7,419.9	Cts/S	1.1123	0.014991	7,419.9
Y_3600_A		193,430	Cts/S	550.78	0.28474	193,430

CCV

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:04:09PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		495.7	ug/L	5.232	1.056	9,726
Al3961_R		12,870	ug/L	78.91	0.6132	6,359
As1891_A		492.1	ug/L	4.357	0.8853	137.3
Au2427_A		499.1	ug/L	0.05905	0.01183	1,635
B_2089_A		499.5	ug/L	2.984	0.5973	458.5
Ba4554_R		507.4	ug/L	0.5310	0.1046	17,750
Be3130_R		513.7	ug/L	4.705	0.9158	30,590
Ca3158_R		12,750	ug/L	73.59	0.5771	12,230
Cd2265_A		504.1	ug/L	3.466	0.6876	7,360
Co2286_A		513.2	ug/L	4.152	0.8091	1,764
Cr2677_A		506.3	ug/L	3.910	0.7723	7,099
Cu3273_A		507.1	ug/L	5.434	1.071	6,391
Fe2599_R		12,850	ug/L	122.9	0.9564	14,480
K_7664_R		12,710	ug/L	3.465	0.02727	6,343
Li6707_R		512.2	ug/L	2.886	0.5634	4,052
Mg2025_A		12,880	ug/L	95.17	0.7387	2,412
Mn2576_R		509.1	ug/L	3.806	0.7476	3,233
Mo2020_A		512.4	ug/L	1.820	0.3552	1,007
Na5895_R		12,700	ug/L	54.64	0.4301	17,670
Ni2316_A		507.6	ug/L	3.185	0.6274	1,006
Pb2203_A		509.9	ug/L	4.704	0.9224	564.1
Sb2068_A		504.6	ug/L	5.502	1.090	156.4
Se1960_A		497.5	ug/L	4.914	0.9877	91.75
Si2516_R		12,590	ug/L	123.3	0.9790	4,070
Sn1899_A		508.5	ug/L	1.075	0.2114	269.8
Sr4215_R		507.9	ug/L	2.685	0.5286	24,420
Ti3349_A		500.9	ug/L	2.933	0.5856	12,860
Tl1908_A		514.0	ug/L	3.009	0.5854	245.3
V_2924_A		499.3	ug/L	3.857	0.7725	6,246
Zn2062_A		506.7	ug/L	3.604	0.7114	1,682
Bi2230_A		503.4	ug/L	2.722	0.5408	224.6
Y_3600_R		13,987	Cts/S	167.58	1.1981	13,987
Y_2243_A		7,215.5	Cts/S	29.858	0.41380	7,215.5
Y_3600_A		189,590	Cts/S	1,998.2	1.0540	189,590

CCB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:08:31PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1894	ug/L	0.2229	117.7	-29.70
Al3961_R		4.583	ug/L	20.72	452.0	-11.43
As1891_A		1.663	ug/L	2.432	146.3	-1.245
Au2427_A		0.6255	ug/L	1.930	308.6	1.473
B_2089_A		1.915	ug/L	0.1149	6.002	4.383
Ba4554_R		0.2914	ug/L	0.4034	138.4	83.32
Be3130_R		0.1252	ug/L	0.07706	61.57	-6.285
Ca3158_R		-1.456	ug/L	5.068	348.2	-6.211
Cd2265_A		0.01632	ug/L	0.03579	219.3	-0.6459
Co2286_A		-0.1052	ug/L	0.1134	107.8	11.83
Cr2677_A		0.3514	ug/L	0.4360	124.1	12.83
Cu3273_A		0.7435	ug/L	1.378	185.3	21.97
Fe2599_R		-2.209	ug/L	1.088	49.24	7.251
K_7664_R		-40.70	ug/L	51.66	126.9	-114.4
Li6707_R		-0.6117	ug/L	4.051	662.3	4.988
Mg2025_A		1.966	ug/L	4.063	206.7	-0.1161
Mn2576_R		0.6156	ug/L	0.4723	76.72	1.398

CCB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:08:31PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		1.437	ug/L	0.3405	23.69	3.548
Na5895_R		2.111	ug/L	3.301	156.4	-181.3
Ni2316_A		0.2763	ug/L	0.7306	264.4	-0.3842
Pb2203_A		-0.3900	ug/L	0.3846	98.62	0.5444
Sb2068_A		-0.02377	ug/L	0.8885	3,738	1.700
Se1960_A		1.128	ug/L	4.395	389.5	-0.9611
Si2516_R		23.82	ug/L	5.044	21.18	13.22
Sn1899_A		0.3507	ug/L	0.4870	138.9	0.08870
Sr4215_R		0.3115	ug/L	0.2153	69.13	-83.64
Ti3349_A		0.9699	ug/L	0.4333	44.67	-6.182
Tl1908_A		-0.7000	ug/L	0.06518	9.312	-0.06549
V_2924_A		0.2611	ug/L	0.01073	4.109	1.634
Zn2062_A		-0.2997	ug/L	0.1790	59.74	1.711
Bi2230_A		-1.548	ug/L	0.7355	47.52	6.267
Y_3600_R		14,093	Cts/S	102.70	0.72874	14,093
Y_2243_A		7,454.7	Cts/S	18.771	0.25180	7,454.7
Y_3600_A		195,590	Cts/S	121.00	0.061863	195,590

LCSOGG17ICS1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:13:03PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.83	ug/L	0.07667	0.1539	968.3
Al3961_R		2,031	ug/L	29.42	1.449	1,019
As1891_A		92.52	ug/L	0.7109	0.7683	25.33
Au2427_A		-4.063	ug/L	0.3401	8.370	-5.173
B_2089_A		492.3	ug/L	1.477	0.3001	457.6
Ba4554_R		1,990	ug/L	21.53	1.082	70,970
Be3130_R		51.44	ug/L	0.4217	0.8198	3,113
Ca3158_R		2,620	ug/L	16.37	0.6248	2,566
Cd2265_A		243.0	ug/L	1.190	0.4897	3,645
Co2286_A		511.3	ug/L	3.253	0.6363	1,807
Cr2677_A		201.7	ug/L	0.4920	0.2439	2,880
Cu3273_A		256.7	ug/L	1.326	0.5164	3,288
Fe2599_R		1,031	ug/L	11.93	1.158	1,197
K_7664_R		9,962	ug/L	166.8	1.674	5,066
Li6707_R		493.1	ug/L	3.852	0.7813	3,990
Mg2025_A		5,186	ug/L	26.96	0.5199	1,011
Mn2576_R		501.9	ug/L	4.824	0.9613	3,259
Mo2020_A		293.1	ug/L	2.921	0.9963	592.8
Na5895_R		7,414	ug/L	80.67	1.088	10,470
Ni2316_A		502.6	ug/L	2.351	0.4677	1,025
Pb2203_A		101.8	ug/L	0.2891	0.2840	116.5
Sb2068_A		101.0	ug/L	0.2936	0.2907	32.35
Se1960_A		96.63	ug/L	0.9602	0.9937	17.42
Si2516_R	F	3,423	ug/L	19.64	0.5738	1,137
Sn1899_A		519.4	ug/L	2.094	0.4032	283.6
Sr4215_R		492.6	ug/L	4.599	0.9336	24,220
Ti3349_A		489.4	ug/L	1.316	0.2690	12,760
Tl1908_A		99.04	ug/L	0.8842	0.8927	48.26
V_2924_A		493.3	ug/L	1.348	0.2732	6,311
Zn2062_A		500.2	ug/L	3.041	0.6080	1,710
Bi2230_A		-5.303	ug/L	0.4630	8.731	4.688
Y_3600_R		14,307	Cts/S	295.90	2.0683	14,307
Y_2243_A		7,423.4	Cts/S	21.695	0.29225	7,423.4
Y_3600_A		192,670	Cts/S	1,128.1	0.58549	192,670

PBSGG17ICS1

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:17:31PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2282	ug/L	0.007019	3.076	-31.14
Al3961_R		25.26	ug/L	5.635	22.31	-1.192
As1891_A		0.6706	ug/L	1.027	153.1	-1.562
Au2427_A		-1.889	ug/L	0.2858	15.13	-7.079
B_2089_A		2.795	ug/L	0.4112	14.71	5.265
Ba4554_R		1.006	ug/L	0.2518	25.03	110.4
Be3130_R		0.03687	ug/L	0.1026	278.1	-11.85
Ca3158_R		64.15	ug/L	6.288	9.803	58.34
Cd2265_A		0.06982	ug/L	0.03161	45.28	0.1759
Co2286_A		-0.3013	ug/L	0.3971	131.8	11.34
Cr2677_A		0.8658	ug/L	0.2856	32.98	20.65
Cu3273_A		1.945	ug/L	0.6004	30.87	38.31
Fe2599_R		12.49	ug/L	1.830	14.65	24.40
K_7664_R		4.693	ug/L	3.463	73.80	-93.08
Li6707_R		0.1850	ug/L	0.8713	471.0	11.42
Mg2025_A		22.09	ug/L	2.164	9.797	3.799
Mn2576_R		0.6515	ug/L	0.2816	43.22	1.649
Mo2020_A		1.199	ug/L	0.2128	17.74	3.120
Na5895_R		49.49	ug/L	4.031	8.144	-116.4
Ni2316_A		0.3540	ug/L	0.07765	21.94	-0.2289
Pb2203_A		0.5869	ug/L	0.7425	126.5	1.689
Sb2068_A		1.623	ug/L	2.263	139.4	2.189
Se1960_A		-3.002	ug/L	2.195	73.11	-1.788
Si2516_R		31.31	ug/L	9.025	28.83	15.96
Sn1899_A		24.13	ug/L	0.5772	2.392	13.36
Sr4215_R		0.4021	ug/L	0.1215	30.21	-80.72
Ti3349_A		1.284	ug/L	0.002058	0.1603	2.185
Tl1908_A		-0.1608	ug/L	1.246	775.0	0.2046
V_2924_A		-0.2457	ug/L	0.3844	156.4	-5.088
Zn2062_A		0.7678	ug/L	0.04021	5.237	5.462
Bi2230_A		-1.438	ug/L	0.2136	14.86	6.429
Y_3600_R		14,365	Cts/S	9.4541	0.065812	14,365
Y_2243_A		7,585.4	Cts/S	9.1568	0.12072	7,585.4
Y_3600_A		199,310	Cts/S	100.49	0.050417	199,310

SG4875-009A

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:22:03PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		494.6	ug/L	2.034	0.4113	9,334
Al3961_R		110,300	ug/L	4,274	3.877	55,630
As1891_A		531.6	ug/L	0.4131	0.07771	147.1
Au2427_A		-42.68	ug/L	1.357	3.180	12.14
B_2089_A		510.3	ug/L	0.03098	0.006072	478.4
Ba4554_R		846.7	ug/L	32.18	3.801	30,180
Be3130_R		505.8	ug/L	20.01	3.956	30,560
Ca3158_R		38,810	ug/L	1,538	3.964	38,000
Cd2265_A		477.1	ug/L	0.7498	0.1572	7,222
Co2286_A		519.8	ug/L	1.109	0.2134	1,872
Cr2677_A		720.5	ug/L	2.307	0.3203	10,190
Cu3273_A		626.1	ug/L	1.868	0.2984	7,778
Fe2599_R		109,300	ug/L	4,493	4.112	125,600
K_7664_R		15,000	ug/L	555.7	3.705	7,661
Li6707_R		591.4	ug/L	18.62	3.149	4,774
Mg2025_A		19,980	ug/L	57.76	0.2891	3,821
Mn2576_R		5,314	ug/L	216.3	4.071	34,470

SG4875-009A

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:22:03PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		485.0	ug/L	1.161	0.2394	976.3
Na5895_R		6,323	ug/L	225.7	3.570	8,882
Ni2316_A		552.8	ug/L	0.3197	0.05782	1,115
Pb2203_A		4,018	ug/L	8.663	0.2156	4,553
Sb2068_A		497.5	ug/L	2.933	0.5895	161.1
Se1960_A		495.5	ug/L	2.103	0.4243	93.64
Si2516_R		4,284	ug/L	146.0	3.407	1,412
Sn1899_A		48.50	ug/L	1.128	2.325	26.27
Sr4215_R		625.1	ug/L	25.17	4.026	30,700
Ti3349_A		4,985	ug/L	6.636	0.1331	129,100
Tl1908_A		488.2	ug/L	0.3768	0.07719	228.8
V_2924_A		702.8	ug/L	0.01448	0.002061	8,929
Zn2062_A		1,660	ug/L	3.457	0.2082	5,645
Bi2230_A		-12.88	ug/L	3.442	26.73	12.39
Y_3600_R		14,281	Cts/S	335.51	2.3494	14,281
Y_2243_A		7,392.0	Cts/S	31.633	0.42794	7,392.0
Y_3600_A		191,040	Cts/S	298.89	0.15645	191,040

SG4875-009L

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:26:25PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.288	ug/L	0.4841	14.72	-110.9
Al3961_R		101,600	ug/L	430.8	0.4239	10,300
As1891_A		52.94	ug/L	1.612	3.046	0.2611
Au2427_A		-43.31	ug/L	0.5377	1.242	0.03748
B_2089_A		30.54	ug/L	0.5735	1.878	8.213
Ba4554_R		359.7	ug/L	2.199	0.6114	2,648
Be3130_R		4.127	ug/L	0.1064	2.577	-1.283
Ca3158_R		33,960	ug/L	146.1	0.4302	6,687
Cd2265_A		3.799	ug/L	0.09139	2.406	29.33
Co2286_A		37.76	ug/L	2.125	5.627	47.44
Cr2677_A		250.7	ug/L	1.065	0.4246	724.7
Cu3273_A		141.0	ug/L	3.016	2.139	337.5
Fe2599_R		106,600	ug/L	294.2	0.2761	24,670
K_7664_R		4,814	ug/L	125.5	2.607	405.3
Li6707_R		91.90	ug/L	0.3552	0.3865	158.9
Mg2025_A		16,180	ug/L	33.83	0.2091	618.5
Mn2576_R		4,980	ug/L	6.819	0.1369	6,498
Mo2020_A		14.88	ug/L	2.394	16.09	6.641
Na5895_R		930.9	ug/L	13.33	1.432	80.86
Ni2316_A		80.90	ug/L	4.113	5.084	30.44
Pb2203_A		3,770	ug/L	1.921	0.05094	859.7
Sb2068_A		18.51	ug/L	6.861	37.07	3.220
Se1960_A		9.683	ug/L	15.71	162.2	-0.7959
Si2516_R		4,123	ug/L	59.66	1.447	277.6
Sn1899_A		59.98	ug/L	1.756	2.928	6.454
Sr4215_R		142.8	ug/L	0.8697	0.6090	1,315
Ti3349_A		4,629	ug/L	6.513	0.1407	24,200
Tl1908_A		3.687	ug/L	3.826	103.8	-1.402
V_2924_A		231.3	ug/L	1.449	0.6263	601.8
Zn2062_A		1,224	ug/L	0.4255	0.03475	839.3
Bi2230_A		-10.22	ug/L	0.5612	5.492	8.213
Y_3600_R		14,364	Cts/S	165.13	1.1496	14,364
Y_2243_A		7,429.6	Cts/S	17.385	0.23400	7,429.6
Y_3600_A		192,980	Cts/S	653.64	0.33871	192,980

SG4875-009P

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:30:54PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.44	ug/L	0.05286	0.1008	511.7
Al3961_R		112,800	ug/L	279.0	0.2474	58,380
As1891_A		159.9	ug/L	2.768	1.731	38.96
Au2427_A		-44.04	ug/L	1.279	2.903	9.623
B_2089_A		478.2	ug/L	0.8753	0.1830	438.5
Ba4554_R		2,303	ug/L	3.400	0.1476	84,110
Be3130_R		54.81	ug/L	0.3976	0.7255	3,183
Ca3158_R		155,600	ug/L	414.7	0.2665	156,400
Cd2265_A		237.2	ug/L	0.3139	0.1323	3,605
Co2286_A		511.2	ug/L	1.015	0.1985	1,831
Cr2677_A		497.0	ug/L	0.5892	0.1185	6,904
Cu3273_A		387.2	ug/L	0.2065	0.05332	4,632
Fe2599_R		107,200	ug/L	618.3	0.5771	126,500
K_7664_R		16,220	ug/L	14.74	0.09088	8,509
Li6707_R		587.0	ug/L	0.7829	0.1334	4,862
Mg2025_A		22,310	ug/L	44.09	0.1977	4,226
Mn2576_R		5,514	ug/L	19.85	0.3599	36,700
Mo2020_A		275.2	ug/L	0.6123	0.2225	549.3
Na5895_R		8,192	ug/L	5.564	0.06791	11,870
Ni2316_A		551.0	ug/L	0.08175	0.01484	1,101
Pb2203_A		3,900	ug/L	3.711	0.09514	4,380
Sb2068_A		63.85	ug/L	2.787	4.364	22.54
Se1960_A		102.3	ug/L	1.792	1.753	18.26
Si2516_R		4,502	ug/L	32.53	0.7226	1,522
Sn1899_A		505.3	ug/L	0.3355	0.06640	272.3
Sr4215_R		720.5	ug/L	0.6279	0.08716	36,330
Ti3349_A		5,653	ug/L	1.247	0.02205	143,700
Tl1908_A		98.04	ug/L	0.1517	0.1547	36.71
V_2924_A		717.8	ug/L	1.424	0.1984	8,993
Zn2062_A		1,906	ug/L	4.203	0.2205	6,424
Bi2230_A		-10.78	ug/L	0.9637	8.943	13.01
Y_3600_R		14,650	Cts/S	95.900	0.65461	14,650
Y_2243_A		7,327.0	Cts/S	7.7151	0.10530	7,327.0
Y_3600_A		187,510	Cts/S	814.54	0.43441	187,510

SG4875-009S

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:35:17PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.52	ug/L	0.2486	0.4826	485.7
Al3961_R		111,600	ug/L	998.6	0.8947	56,820
As1891_A		145.1	ug/L	1.369	0.9440	34.44
Au2427_A		-44.75	ug/L	0.3392	0.7580	9.280
B_2089_A		482.8	ug/L	0.9284	0.1923	440.9
Ba4554_R		2,298	ug/L	0.08752	0.003809	82,510
Be3130_R		54.41	ug/L	0.3261	0.5994	3,108
Ca3158_R		39,600	ug/L	223.6	0.5647	39,130
Cd2265_A		236.3	ug/L	0.2287	0.09678	3,578
Co2286_A		522.1	ug/L	1.057	0.2025	1,860
Cr2677_A		450.8	ug/L	0.4462	0.09898	6,258
Cu3273_A		382.8	ug/L	2.126	0.5554	4,574
Fe2599_R		109,100	ug/L	1,145	1.050	126,600
K_7664_R		16,240	ug/L	15.27	0.09402	8,375
Li6707_R		583.4	ug/L	1.122	0.1923	4,751
Mg2025_A		20,350	ug/L	9.960	0.04894	3,841
Mn2576_R		5,570	ug/L	43.90	0.7880	36,460

SG4875-009S

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:35:17PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		282.6	ug/L	0.8707	0.3080	561.6
Na5895_R		7,882	ug/L	37.27	0.4729	11,220
Ni2316_A		555.6	ug/L	0.09220	0.01659	1,105
Pb2203_A		3,647	ug/L	6.837	0.1875	4,077
Sb2068_A		66.94	ug/L	0.1310	0.1957	23.26
Se1960_A		98.73	ug/L	0.6138	0.6217	17.52
Si2516_R		5,052	ug/L	89.33	1.768	1,679
Sn1899_A		493.7	ug/L	1.744	0.3532	264.8
Sr4215_R		625.7	ug/L	2.129	0.3402	31,010
Ti3349_A		5,586	ug/L	1.158	0.02074	141,900
Tl1908_A		96.92	ug/L	1.404	1.449	35.97
V_2924_A		717.1	ug/L	0.6361	0.08870	8,977
Zn2062_A		1,690	ug/L	5.400	0.3194	5,672
Bi2230_A		-10.57	ug/L	1.019	9.639	13.22
Y_3600_R		14,405	Cts/S	22.328	0.15501	14,405
Y_2243_A		7,294.6	Cts/S	12.943	0.17744	7,294.6
Y_3600_A		187,340	Cts/S	590.25	0.31508	187,340

SG4875-010

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:39:42PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.417	ug/L	0.05876	2.431	-377.6
Al3961_R		83,610	ug/L	232.3	0.2778	42,540
As1891_A		45.27	ug/L	1.791	3.956	6.893
Au2427_A		-36.17	ug/L	0.08426	0.2330	3.573
B_2089_A		21.87	ug/L	0.02648	0.1210	22.35
Ba4554_R		307.8	ug/L	0.5479	0.1780	11,110
Be3130_R		3.411	ug/L	0.01188	0.3484	31.54
Ca3158_R		33,630	ug/L	82.75	0.2461	33,210
Cd2265_A		3.155	ug/L	0.04723	1.497	122.9
Co2286_A		28.83	ug/L	0.2209	0.7663	149.7
Cr2677_A		211.2	ug/L	4.702	2.227	2,981
Cu3273_A		113.2	ug/L	2.479	2.191	1,287
Fe2599_R		87,500	ug/L	100.6	0.1150	101,500
K_7664_R		4,155	ug/L	0.2932	0.007055	2,071
Li6707_R		78.24	ug/L	1.279	1.635	645.6
Mg2025_A		13,050	ug/L	4.316	0.03308	2,474
Mn2576_R		4,298	ug/L	1.215	0.02827	28,120
Mo2020_A		5.032	ug/L	0.4024	7.997	10.69
Na5895_R		556.2	ug/L	2.226	0.4003	616.5
Ni2316_A		63.97	ug/L	0.3811	0.5958	121.8
Pb2203_A		2,935	ug/L	2.344	0.07987	3,315
Sb2068_A		8.975	ug/L	0.5357	5.969	5.955
Se1960_A		1.511	ug/L	0.1582	10.48	-0.8374
Si2516_R		4,410	ug/L	1.333	0.03023	1,465
Sn1899_A		42.81	ug/L	1.368	3.196	23.09
Sr4215_R		121.2	ug/L	0.06237	0.05145	5,924
Ti3349_A		3,998	ug/L	86.29	2.158	103,000
Tl1908_A		3.478	ug/L	1.104	31.76	-6.788
V_2924_A		190.9	ug/L	4.395	2.302	2,451
Zn2062_A		1,034	ug/L	1.083	0.1047	3,504
Bi2230_A		-7.204	ug/L	1.370	19.01	12.61
Y_3600_R		14,398	Cts/S	57.419	0.39879	14,398
Y_2243_A		7,365.8	Cts/S	10.348	0.14049	7,365.8
Y_3600_A		190,020	Cts/S	2,471.7	1.3008	190,020

SG4959-002

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:44:10PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		68.93	ug/L	0.06801	0.09866	352.9
Al3961_R		127,500	ug/L	1,336	1.048	67,020
As1891_A		111.7	ug/L	1.929	1.728	19.69
Au2427_A		-19.25	ug/L	0.1964	1.020	101.3
B_2089_A		250.9	ug/L	2.641	1.053	234.1
Ba4554_R		1,172	ug/L	3.042	0.2596	43,500
Be3130_R		5.709	ug/L	0.03478	0.6092	71.19
Ca3158_R		30,800	ug/L	182.4	0.5924	31,410
Cd2265_A		275.2	ug/L	1.960	0.7122	4,330
Co2286_A		67.91	ug/L	0.4412	0.6497	314.9
Cr2677_A		6,886	ug/L	129.1	1.874	98,160
Cu3273_A		12,760	ug/L	216.4	1.696	163,500
Fe2599_R		223,400	ug/L	2,342	1.048	267,700
K_7664_R		25,120	ug/L	54.12	0.2155	13,430
Li6707_R		273.7	ug/L	1.840	0.6722	2,307
Mg2025_A		60,990	ug/L	404.5	0.6632	11,680
Mn2576_R		1,896	ug/L	10.46	0.5518	12,830
Mo2020_A		122.4	ug/L	0.5130	0.4192	249.8
Na5895_R		46,940	ug/L	108.1	0.2303	69,960
Ni2316_A		1,219	ug/L	8.572	0.7032	2,475
Pb2203_A		5,413	ug/L	41.27	0.7623	6,174
Sb2068_A		103.5	ug/L	1.220	1.178	58.53
Se1960_A		7.890	ug/L	5.861	74.27	-0.1224
Si2516_R		4,194	ug/L	47.29	1.128	1,430
Sn1899_A		869.3	ug/L	7.395	0.8508	475.7
Sr4215_R		483.1	ug/L	2.472	0.5117	24,700
Ti3349_A		6,669	ug/L	114.8	1.722	174,500
Tl1908_A		5.686	ug/L	1.393	24.49	-4.586
V_2924_A		558.6	ug/L	10.68	1.912	6,872
Zn2062_A		14,820	ug/L	113.8	0.7678	50,690
Bi2230_A		-41.02	ug/L	2.258	5.505	11.35
Y_3600_R		14,875	Cts/S	199.82	1.3434	14,875
Y_2243_A		7,441.1	Cts/S	43.069	0.57880	7,441.1
Y_3600_A		192,990	Cts/S	2,454.9	1.2720	192,990

SG4974-012

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:48:35PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1,162	ug/L	3.628	0.3122	21,930
Al3961_R		86,410	ug/L	87.27	0.1010	44,760
As1891_A		682.5	ug/L	0.2381	0.03489	186.1
Au2427_A		-57.44	ug/L	0.9307	1.620	17.97
B_2089_A		6,236	ug/L	4.999	0.08017	5,586
Ba4554_R		12,410	ug/L	23.02	0.1855	452,600
Be3130_R		842.7	ug/L	2.827	0.3354	52,570
Ca3158_R		154,600	ug/L	304.2	0.1968	155,300
Cd2265_A		1,433	ug/L	0.08319	0.005807	21,160
Co2286_A		4,696	ug/L	0.3509	0.007473	16,120
Cr2677_A		4,060	ug/L	13.76	0.3389	55,910
Cu3273_A		5,571	ug/L	15.09	0.2709	69,040
Fe2599_R		155,500	ug/L	587.1	0.3776	183,400
K_7664_R		45,420	ug/L	224.1	0.4933	24,000
Li6707_R		152.4	ug/L	4.063	2.665	1,270
Mg2025_A		46,300	ug/L	45.99	0.09933	8,839
Mn2576_R		7,019	ug/L	26.19	0.3731	46,710

SG4974-012

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:48:35PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		2,042	ug/L	6.242	0.3057	4,039
Na5895_R		19,430	ug/L	85.26	0.4388	28,400
Ni2316_A		1,185	ug/L	0.2069	0.01746	2,357
Pb2203_A		1,788	ug/L	2.143	0.1199	1,984
Sb2068_A		1,206	ug/L	1.820	0.1509	384.6
Se1960_A		729.1	ug/L	7.820	1.073	136.3
Si2516_R		5,107	ug/L	1.726	0.03379	1,728
Sn1899_A		1,344	ug/L	1.456	0.1084	717.9
Sr4215_R		1,742	ug/L	1.117	0.06415	87,950
Ti3349_A		664.1	ug/L	2.376	0.3578	16,790
Tl1908_A		3,039	ug/L	3.864	0.1272	1,457
V_2924_A		705.9	ug/L	1.616	0.2289	8,354
Zn2062_A		5,694	ug/L	4.582	0.08047	19,010
Bi2230_A		-47.81	ug/L	0.3059	0.6398	1.416
Y_3600_R		14,646	Cts/S	41.086	0.28053	14,646
Y_2243_A		7,265.1	Cts/S	18.132	0.24958	7,265.1
Y_3600_A		186,380	Cts/S	781.69	0.41941	186,380

SG4972-001

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:53:03PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.8851	ug/L	0.1617	18.26	-34.17
Al3961_R		-10.04	ug/L	26.04	259.3	-18.28
As1891_A		-1.804	ug/L	1.655	91.72	-1.830
Au2427_A		-1.050	ug/L	1.977	188.2	-3.325
B_2089_A		16.54	ug/L	1.167	7.053	14.47
Ba4554_R		2.544	ug/L	0.3433	13.49	159.4
Be3130_R		0.1029	ug/L	0.09759	94.86	-7.523
Ca3158_R		1,320	ug/L	2.113	0.1601	1,249
Cd2265_A		-0.03617	ug/L	0.04962	137.2	-1.129
Co2286_A		0.3778	ug/L	0.007913	2.095	10.97
Cr2677_A		7.341	ug/L	0.1351	1.840	88.05
Cu3273_A		3.220	ug/L	0.4068	12.63	41.89
Fe2599_R		61.36	ug/L	2.418	3.941	77.99
K_7664_R		3,414	ug/L	245.8	7.199	1,620
Li6707_R		5.759	ug/L	0.9315	16.18	54.53
Mg2025_A		495.0	ug/L	3.023	0.6107	76.53
Mn2576_R		1.494	ug/L	0.1182	7.912	6.892
Mo2020_A		6.923	ug/L	1.024	14.78	11.90
Na5895_R	F	426,000	ug/L	50,010	11.74	592,200
Ni2316_A		8.647	ug/L	0.1205	1.393	13.60
Pb2203_A		-0.6249	ug/L	1.336	213.9	0.2174
Sb2068_A		2.966	ug/L	0.9746	32.86	2.160
Se1960_A		1.035	ug/L	2.825	272.9	-0.7924
Si2516_R		1,337	ug/L	19.43	1.454	432.2
Sn1899_A		1.715	ug/L	0.2263	13.19	0.6787
Sr4215_R		68.08	ug/L	0.2184	0.3207	3,156
Ti3349_A		1.281	ug/L	0.2829	22.08	1.633
Tl1908_A		-0.9547	ug/L	0.3532	37.00	-0.1558
V_2924_A		-0.4918	ug/L	0.5906	120.1	-7.190
Zn2062_A		5.532	ug/L	0.1815	3.281	17.56
Bi2230_A		3.712	ug/L	2.015	54.30	6.979
Y_3600_R		13,842	Cts/S	46.131	0.33327	13,842
Y_2243_A		6,041.1	Cts/S	1.4005	0.023182	6,041.1
Y_3600_A		151,360	Cts/S	2,056.3	1.3585	151,360

CCV

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 2:57:40PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		501.8	ug/L	1.169	0.2329	9,659
Al3961_R		12,770	ug/L	14.12	0.1106	6,260
As1891_A		491.6	ug/L	1.520	0.3092	135.7
Au2427_A		505.3	ug/L	3.292	0.6516	1,638
B_2089_A		509.6	ug/L	4.119	0.8083	462.7
Ba4554_R		491.2	ug/L	0.7595	0.1546	17,050
Be3130_R		523.4	ug/L	0.3106	0.05936	30,920
Ca3158_R		12,880	ug/L	13.56	0.1053	12,250
Cd2265_A		507.9	ug/L	2.503	0.4928	7,341
Co2286_A		520.5	ug/L	3.609	0.6934	1,771
Cr2677_A		518.0	ug/L	3.032	0.5854	7,125
Cu3273_A		518.2	ug/L	1.648	0.3181	6,407
Fe2599_R		13,130	ug/L	14.50	0.1104	14,690
K_7664_R		12,020	ug/L	106.5	0.8859	5,945
Li6707_R		503.3	ug/L	0.8854	0.1759	3,949
Mg2025_A		12,950	ug/L	58.07	0.4483	2,401
Mn2576_R		517.8	ug/L	0.1878	0.03626	3,261
Mo2020_A		516.6	ug/L	0.4992	0.09665	1,005
Na5895_R	F	8,798	ug/L	216.9	2.466	12,080
Ni2316_A		507.8	ug/L	1.107	0.2180	996.1
Pb2203_A		513.9	ug/L	2.521	0.4905	562.8
Sb2068_A		511.4	ug/L	2.748	0.5373	156.9
Se1960_A		500.2	ug/L	3.176	0.6349	91.31
Si2516_R		12,790	ug/L	21.21	0.1657	4,101
Sn1899_A		512.5	ug/L	2.452	0.4784	269.2
Sr4215_R		496.9	ug/L	1.072	0.2158	23,700
Ti3349_A		504.7	ug/L	3.764	0.7457	12,710
Tl1908_A		517.2	ug/L	2.382	0.4606	244.3
V_2924_A		504.7	ug/L	1.027	0.2035	6,195
Zn2062_A		514.0	ug/L	3.050	0.5934	1,689
Bi2230_A		505.5	ug/L	4.093	0.8096	223.3
Y_3600_R		13,873	Cts/S	49.644	0.35786	13,873
Y_2243_A		7,142.1	Cts/S	35.412	0.49583	7,142.1
Y_3600_A		186,000	Cts/S	655.80	0.35258	186,000

CCB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 3:02:01PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.01406	ug/L	0.4020	2,859	-25.68
Al3961_R		-28.58	ug/L	41.02	143.6	-27.55
As1891_A		0.5245	ug/L	3.619	690.0	-1.556
Au2427_A		-0.5620	ug/L	0.4753	84.58	-2.483
B_2089_A		5.098	ug/L	0.3457	6.781	7.192
Ba4554_R		0.8506	ug/L	0.4468	52.53	101.1
Be3130_R		0.04618	ug/L	0.1449	313.8	-10.82
Ca3158_R		-1.356	ug/L	0.7182	52.95	-5.991
Cd2265_A		0.02975	ug/L	0.09377	315.2	-0.4313
Co2286_A		0.1051	ug/L	0.3122	297.0	12.39
Cr2677_A		0.2821	ug/L	0.6392	226.6	11.60
Cu3273_A		0.2000	ug/L	0.3779	188.9	14.64
Fe2599_R		-0.3977	ug/L	1.590	399.7	9.126
K_7664_R		214.9	ug/L	8.614	4.008	15.71
Li6707_R		3.107	ug/L	1.416	45.56	33.87
Mg2025_A		-1.737	ug/L	0.2387	13.75	-0.8024
Mn2576_R		0.1017	ug/L	1.154	1,134	-1.903

CCB

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 3:02:01PM
Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Mo2020_A		2.275	ug/L	0.1694	7.445	5.171
Na5895_R		71.38	ug/L	0.9380	1.314	-81.72
Ni2316_A		0.6715	ug/L	0.3781	56.30	0.4207
Pb2203_A		-0.7543	ug/L	1.176	156.0	0.1326
Sb2068_A		0.7176	ug/L	2.820	393.0	1.903
Se1960_A		-1.424	ug/L	0.5056	35.52	-1.431
Si2516_R		6.484	ug/L	4.583	70.68	7.459
Sn1899_A		0.5071	ug/L	0.1748	34.48	0.1725
Sr4215_R		0.09191	ug/L	0.08078	87.89	-92.61
Ti3349_A		0.9596	ug/L	0.2114	22.03	-6.364
Tl1908_A		0.5527	ug/L	0.06732	12.18	0.5466
V_2924_A		-0.1658	ug/L	0.03812	22.99	-3.969
Zn2062_A		-0.2231	ug/L	0.00006097	0.02733	1.943
Bi2230_A		-3.135	ug/L	0.03173	1.012	5.479
Y_3600_R		13,840	Cts/S	127.70	0.92271	13,840
Y_2243_A		7,344.2	Cts/S	43.137	0.58736	7,344.2
Y_3600_A		192,520	Cts/S	1,662.9	0.86373	192,520

SG4770-001T

Method Name: K6010-2011+Bi
Method Revision: 23
Analyst Name: NAT
Acquire Date: 7/18/2013 3:06:32PM
Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2968	ug/L	3.418	1,151	-21.97
Al3961_R		1,116	ug/L	72.84	6.528	95.02
As1891_A		5,045	ug/L	22.85	0.4528	269.5
Au2427_A		-37.28	ug/L	1.617	4.336	-10.62
B_2089_A		97.34	ug/L	2.336	2.400	18.65
Ba4554_R		319.9	ug/L	0.3513	0.1098	2,261
Be3130_R		0.03334	ug/L	0.7716	2,315	-13.12
Ca3158_R		847,400	ug/L	796.0	0.09394	159,700
Cd2265_A		3,289	ug/L	0.7577	0.02304	9,104
Co2286_A		11.33	ug/L	0.7106	6.271	18.47
Cr2677_A		521.6	ug/L	3.292	0.6312	1,350
Cu3273_A		25.36	ug/L	1.270	5.008	69.73
Fe2599_R		29.58	ug/L	28.73	97.14	16.10
K_7664_R		11,240	ug/L	182.6	1.624	1,027
Li6707_R		12.10	ug/L	2.267	18.74	28.23
Mg2025_A		33,180	ug/L	1.090	0.003285	1,168
Mn2576_R		4,191	ug/L	12.37	0.2952	5,229
Mo2020_A		6.048	ug/L	0.3364	5.562	2.857
Na5895_R		1,160,000	ug/L	80,980	6.982	320,000
Ni2316_A		16.40	ug/L	0.6122	3.734	5.300
Pb2203_A		738.5	ug/L	4.656	0.6304	156.3
Sb2068_A		26.74	ug/L	3.700	13.84	3.433
Se1960_A		1,984	ug/L	5.126	0.2584	69.29
Si2516_R		3,649	ug/L	2.753	0.07544	236.7
Sn1899_A		8.691	ug/L	1.148	13.21	0.7811
Sr4215_R		4,757	ug/L	12.27	0.2579	45,030
Ti3349_A		2.057	ug/L	2.899	141.0	-18.34
Tl1908_A		2.094	ug/L	3.173	151.5	-0.7631
V_2924_A		0.4951	ug/L	1.123	226.8	-8.716
Zn2062_A		1,270	ug/L	1.861	0.1466	802.0
Bi2230_A		-7.743	ug/L	3.491	45.09	5.760
Y_3600_R		13,740	Cts/S	168.44	1.2259	13,740
Y_2243_A		6,848.8	Cts/S	25.236	0.36848	6,848.8
Y_3600_A		174,120	Cts/S	840.99	0.48300	174,120

Logbooks and Supporting Documents

Katahdin Analytical Services, Inc.

Metals Preparation Benchsheet

Reagent Information:

HNO3: 042514 HCL: 035187 H2O2: 209AP7248 **Method:** 3050H

LCS / Spike **LCS/Spiking Information:**

- ☑ ☑ CLPP-SPK-1 (ID/Vol): MS1794 / 0.1 mL
- ☑ ☑ CLPP-SPK-INT1 (ID/Vol): MW14276 / 1.0 mL
- ☑ ☑ CLPP-SPK-INT2 (ID/Vol): MW14275 / 1.0 mL
- ☐ ☐ Uranium Spike (ID/Vol): N/A / mL
- ☐ ☐ CLPP-SPK-4 (ID/Vol): ↓ / mL

LCSS: N/A Balance ID: Bal 08

Hot Plate/Block ID: B
Start Time/Temp.: 1036 / 93 °C
End Time/Temp.: 1546 / 98 °C
Thermometer ID/Pos.: ARC 18 / 1.5

Filter Paper: 7027633A

REVIEWED
NT 7/10/13
KATAHDIN ANALYTICAL METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LCSOGG10ICS1	GG10ICS1	1.0	g	0.1	L	SL	IC	HHM	07/10/2013	N/A	N/A	N/A	N/A		
PBSGG10ICS1	GG10ICS1	1.0	g		L	SL	IC	HHM	07/10/2013	N/A	N/A	N/A	N/A		
SG4772-001	GG10ICS1	1.27	g		L	SL	IC	HHM	07/10/2013						A
SG4772-002	GG10ICS1	1.88	g		L	SL	IC	HHM	07/10/2013						
SG4772-003	GG10ICS1	1.49	g		L	SL	IC	HHM	07/10/2013						
SG4772-004	GG10ICS1	1.66	g		L	SL	IC	HHM	07/10/2013						
SG4772-005	GG10ICS1	1.38	g		L	SL	IC	HHM	07/10/2013						
SG4772-006	GG10ICS1	1.76	g		L	SL	IC	HHM	07/10/2013						
SG4772-007	GG10ICS1	1.41	g		L	SL	IC	HHM	07/10/2013						
SG4772-008	GG10ICS1	1.25	g		L	SL	IC	HHM	07/10/2013						
SG4772-009	GG10ICS1	1.39	g		L	SL	IC	HHM	07/10/2013						
SG4772-010	GG10ICS1	1.26	g		L	SL	IC	HHM	07/10/2013						
SG4772-010P	GG10ICS1	1.27	g		L	SL	IC	HHM	07/10/2013						
SG4772-010S	GG10ICS1	1.22	g		L	SL	IC	HHM	07/10/2013						
SG4772-011	GG10ICS1	1.36	g		L	SL	IC	HHM	07/10/2013						
SG4772-012	GG10ICS1	1.39	g		L	SL	IC	HHM	07/10/2013						
SG4772-013	GG10ICS1	1.34	g		L	SL	IC	HHM	07/10/2013						
SG4772-014	GG10ICS1	1.24	g		L	SL	IC	HHM	07/10/2013						
SG4772-015	GG10ICS1	1.52	g		L	SL	IC	HHM	07/10/2013						
SG4772-016	GG10ICS1	1.62	g		L	SL	IC	HHM	07/10/2013						
SG4772-017	GG10ICS1	1.27	g		L	SL	IC	HHM	07/10/2013						
SG4772-018	GG10ICS1	1.20	g		L	SL	IC	HHM	07/10/2013						
SG4772-019	GG10ICS1	1.39	g		L	SL	IC	HHM	07/10/2013						
SG4772-020	GG10ICS1	1.16	g		L	SL	IC	HHM	07/10/2013						

HHM 7-10-13

Digestion performed by: HHM On: 7-10-13

Katahdin Analytical Services 4000530

Katahdin Analytical Services, Inc. **Metals Preparation Benchsheet**

Reagent Information:

HNO3: 042514 HCL: 035187 H2O2: 209AP7248 **Method:** 3050H

LCS / Spike **LCS/Spiking Information:**

- ☑ ☑ CLPP-SPK-1 (ID/Vol): MS1794 / 0.1 mL
- ☑ ☑ CLPP-SPK-INT1 (ID/Vol): MW14276 / 1.0 mL
- ☑ ☑ CLPP-SPK-INT2 (ID/Vol): MW14275 / 1.0 mL
- ☐ ☐ Uranium Spike (ID/Vol): NA / mL
- ☐ ☐ CLPP-SPK-4 (ID/Vol): ↓ / mL

LCSS : NA Balance ID: Bal08

Hot Plate/Block ID : B
Start Time/Temp.: 1033 / 92 °C
End Time/Temp. : 1620 / 98 °C
Thermometer ID/Pos.: AC18 / 5:5

Filter Paper: 7027633A

REVIEWED
UT 7/12/13
KATAHDIN ANALYTICAL METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LCSOGG11ICS1	GG11ICS1	1.0	g	0.1	L	SL	IC	HHM	07/11/2013	N/A	N/A	N/A	N/A		
PBSGG11ICS1	GG11ICS1	1.0	g		L	SL	IC	HHM	07/11/2013	N/A	N/A	N/A	N/A		
SG4743-002	GG11ICS1	1.44	g		L	SL	IC	HHM	07/11/2013						A
SG4789-001	GG11ICS1	1.71	g		L	SL	IC	HHM	07/11/2013						
SG4789-002	GG11ICS1	1.27	g		L	SL	IC	HHM	07/11/2013						
SG4789-002P	GG11ICS1	1.26	g		L	SL	IC	HHM	07/11/2013						
SG4789-002S	GG11ICS1	1.24	g		L	SL	IC	HHM	07/11/2013						
SG4789-003	GG11ICS1	1.33	g		L	SL	IC	HHM	07/11/2013						
SG4789-004	GG11ICS1	1.55	g		L	SL	IC	HHM	07/11/2013						
SG4789-005	GG11ICS1	1.46	g		L	SL	IC	HHM	07/11/2013						
SG4789-006	GG11ICS1	1.86	g		L	SL	IC	HHM	07/11/2013						
SG4789-007	GG11ICS1	1.29	g		L	SL	IC	HHM	07/11/2013						
SG4789-008	GG11ICS1	1.53	g		L	SL	IC	HHM	07/11/2013						
SG4789-009	GG11ICS1	1.36	g		L	SL	IC	HHM	07/11/2013						
SG4789-009P	GG11ICS1	1.34	g		L	SL	IC	HHM	07/11/2013						
SG4789-009S	GG11ICS1	1.36	g		L	SL	IC	HHM	07/11/2013						
SG4789-010	GG11ICS1	1.67	g		L	SL	IC	HHM	07/11/2013						
SG4789-011	GG11ICS1	1.26	g		L	SL	IC	HHM	07/11/2013						
SG4789-012	GG11ICS1	1.46	g		L	SL	IC	HHM	07/11/2013						
SG4789-013	GG11ICS1	1.35	g		L	SL	IC	HHM	07/11/2013						
SG4789-014	GG11ICS1	1.53	g		L	SL	IC	HHM	07/11/2013						
SG4789-015	GG11ICS1	1.41	g		L	SL	IC	HHM	07/11/2013						
SG4789-016	GG11ICS1	1.42	g		L	SL	IC	HHM	07/11/2013						
SG4789-017	GG11ICS1	1.92	g		L	SL	IC	HHM	07/11/2013						
SG4789-018	GG11ICS1	1.59	g		L	SL	IC	HHM	07/11/2013						
SG4789-019	GG11ICS1	1.24	g		L	SL	IC	HHM	07/11/2013						

HHM 7-11-13

Katahdin Analytical Services 4000531

Katahdin Analytical Services, Inc. **Metals Preparation Benchsheet**

Reagent Information:
HNO3: 0412514 HCL: 035187 H2O2: 209Ap7248 **Method:** 3050H

LCS / Spike **LCS/Spiking Information:**

- ☐ ☐ CLPP-SPK-1 (ID/Vol): MS1794 / 0.1 mL
- ☐ ☐ CLPP-SPK-INT1 (ID/Vol): MW14316 / 1.0 mL
- ☐ ☐ CLPP-SPK-INT2 (ID/Vol): MW14317 / 1.0 mL
- ☐ ☐ Uranium Spike (ID/Vol): N/A / mL
- ☐ ☐ CLPP-SPK-4 (ID/Vol): ↓ / mL

LCSS: N/A Balance ID: Bal08

Hot Plate/Block ID: B
Start Time/Temp.: 1010 / 95 °C
End Time/Temp.: 1526 / 98 °C
Thermometer ID/Pos.: AZC18 / 3.6

Filter Paper: 7027633A 9509087A

REVIEWED
EM 07/12/13
KATAHDIN ANALYTICAL
METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LCSOGG12ICS1	GG12ICS1	1.0	g	0.1	L	SL	IC	HHM	07/12/2013	N/A	N/A	N/A	N/A		
PBSGG12ICS1	GG12ICS1	1.0	g		L	SL	IC	HHM	07/12/2013	N/A	N/A	N/A	N/A		
SG4836-021	GG12ICS1	1.26	g		L	SL	IC	HHM	07/12/2013						A
SG4836-021P	GG12ICS1	1.24	g		L	SL	IC	HHM	07/12/2013						
SG4836-021S	GG12ICS1	1.29	g		L	SL	IC	HHM	07/12/2013						
SG4836-022	GG12ICS1	1.67	g		L	SL	IC	HHM	07/12/2013						
SG4836-023	GG12ICS1	1.35	g		L	SL	IC	HHM	07/12/2013						
SG4836-024	GG12ICS1	1.57	g		L	SL	IC	HHM	07/12/2013						
SG4836-025	GG12ICS1	1.36	g		L	SL	IC	HHM	07/12/2013						
SG4836-026	GG12ICS1	1.48	g		L	SL	IC	HHM	07/12/2013						
SG4836-027	GG12ICS1	1.41	g		L	SL	IC	HHM	07/12/2013						
SG4836-028	GG12ICS1	1.87	g		L	SL	IC	HHM	07/12/2013						
SG4836-029	GG12ICS1	1.75	g		L	SL	IC	HHM	07/12/2013						
SG4836-030	GG12ICS1	1.46	g		L	SL	IC	HHM	07/12/2013						
SG4872-001	GG12ICS1	1.32	g		L	SL	IC	HHM	07/12/2013						
SG4872-002	GG12ICS1	1.51	g		L	SL	IC	HHM	07/12/2013						
SG4872-003	GG12ICS1	1.40	g		L	SL	IC	HHM	07/12/2013						
SG4872-004	GG12ICS1	1.58	g		L	SL	IC	HHM	07/12/2013						
SG4872-005	GG12ICS1	1.47	g		L	SL	IC	HHM	07/12/2013						
SG4872-006	GG12ICS1	1.83	g		L	SL	IC	HHM	07/12/2013						
SG4872-007	GG12ICS1	1.37	g		L	SL	IC	HHM	07/12/2013						
SG4872-008	GG12ICS1	1.74	g		L	SL	IC	HHM	07/12/2013						
SG4872-009	GG12ICS1	1.41	g		L	SL	IC	HHM	07/12/2013						
SG4872-010	GG12ICS1	1.60	g		L	SL	IC	HHM	07/12/2013						

HHM 7-12-13

Katahdin Analytical Services 4000532

Katahdin Analytical Services, Inc. **Metals Preparation Benchsheet**

Reagent Information:

HNO3: 042514 HCL: 035187 H2O2: 209AP72218 **Method:** 3050H

LCS / Spike **LCS/Spiking Information:**

- [x] [x] CLPP-SPK-1 (ID/Vol): MS1794 / 0.1 mL
- [x] [x] CLPP-SPK-INT1 (ID/Vol): MW124316 / 1.0 mL
- [x] [x] CLPP-SPK-INT2 (ID/Vol): MW124317 / 1.0 mL
- [ ] [ ] Uranium Spike (ID/Vol): N/A / mL
- [ ] [ ] CLPP-SPK-4 (ID/Vol): ⇓ / mL

LCSS : N/A Balance ID: Bal08

Hot Plate/Block ID : B

Start Time/Temp.: 1013 / 97 °C

End Time/Temp. : 1550 / 98 °C

Thermometer ID/Pos.: ALL18 / 6:6

Filter Paper: 9509087A

REVIEWED
NJ 7/16/13
KATAHDIN ANALYTICAL
METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LCSOGG15ICS1	GG15ICS1	1.0	g	0.10	L	SL	IC	HHM	07/15/2013	N/A	N/A	N/A	N/A		
PBSGG15ICS1	GG15ICS1	1.0	g		L	SL	IC	HHM	07/15/2013	N/A	N/A	N/A	N/A		
SG4773-001	GG15ICS1	1.73	g		L	SL	IC	HHM	07/15/2013						B
SG4773-003	GG15ICS1	2.33	g		L	SL	IC	HHM	07/15/2013						C
SG4810-001	GG15ICS1	2.13	g		L	SL	IC	HHM	07/15/2013						A
SG4823-001	GG15ICS1	0.90	g		L	SL	IC	HHM	07/15/2013						A
SG4872-011	GG15ICS1	1.21	g		L	SL	IC	HHM	07/15/2013						A
SG4872-012	GG15ICS1	1.77	g		L	SL	IC	HHM	07/15/2013						
SG4872-013	GG15ICS1	1.71	g		L	SL	IC	HHM	07/15/2013						
SG4872-013P	GG15ICS1	1.73 ~~1.15~~	g HHM 7-15-13		L	SL	IC	HHM	07/15/2013						
SG4872-013S	GG15ICS1	1.72	g		L	SL	IC	HHM	07/15/2013						
SG4872-014	GG15ICS1	1.15	g		L	SL	IC	HHM	07/15/2013						
SG4872-015	GG15ICS1	1.50	g		L	SL	IC	HHM	07/15/2013						
SG4872-016	GG15ICS1	1.38	g		L	SL	IC	HHM	07/15/2013						
SG4872-017	GG15ICS1	1.42	g		L	SL	IC	HHM	07/15/2013						
SG4872-018	GG15ICS1	1.51	g		L	SL	IC	HHM	07/15/2013						
SG4872-019	GG15ICS1	1.21	g		L	SL	IC	HHM	07/15/2013						
SG4872-020	GG15ICS1	1.80	g		L	SL	IC	HHM	07/15/2013						A
SG4903-001	GG15ICS1	2.44	g		L	SL	IC	HHM	07/15/2013						
SG4922-001	GG15ICS1	2.08	g		L	SL	IC	HHM	07/15/2013						B
~~SG4923-001~~	~~GG15ICS1~~	~~0.55~~	~~g~~		~~L~~	~~SL~~	~~IC~~	~~HHM~~	~~07/15/2013~~						~~A~~
		~~5.27~~	HHM 7-15-13												

HHM 7-15-13

Katahdin Analytical Services 4000533

QA-065-Revision 1 - 09/23/2010 Digestion performed by: HHM On: 7-15-13 Page: GG050 Revision: 00

Katahdin Analytical Services, Inc. **Metals Preparation Benchsheet**

Reagent Information:

HNO3: 042514 HCL: 035 187 H2O2: 209AP7248 **Method:** 3050H

LCS / Spike **LCS/Spiking Information:**

- [x] [x] CLPP-SPK-1 (ID/Vol): MS1794 / 0.1 mL
- [x] [x] CLPP-SPK-INT1 (ID/Vol): MW143K / 1.0 mL
- [x] [x] CLPP-SPK-INT2 (ID/Vol): MW14317 / 1.0 mL
- [ ] [ ] Uranium Spike (ID/Vol): N/A / mL
- [ ] [ ] CLPP-SPK-4 (ID/Vol): ↓ / mL

LCSS : N/A Balance ID: Bal08

Hot Plate/Block ID : B

Start Time/Temp.: 1058 / 95 °C

End Time/Temp. : 1700 / 99 °C

Thermometer ID/Pos.: ARC18 / 2:5

Filter Paper: 95091087A

REVIEWED
JS 7/18/13
KATAHDIN ANALYTICAL
METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LC2OGG17ICS1	GG17ICS1	1.0	g	0.10	L	SL	IC	HHM	07/17/2013	N/A	N/A	N/A	N/A	N/A	N/A
LCSOGG17ICS1	GG17ICS1	1.0	g		L	SL	IC	HHM	07/17/2013	N/A	N/A	N/A	N/A		
PBSGG17ICS1	GG17ICS1	1.0	g		L	SL	IC	HHM	07/17/2013	N/A	N/A	N/A	N/A		
SG4875-001	GG17ICS1	1.59	g		L	SL	IC	HHM	07/17/2013						A
SG4875-002	GG17ICS1	1.65	g		L	SL	IC	HHM	07/17/2013						
SG4875-003	GG17ICS1	1.54	g		L	SL	IC	HHM	07/17/2013						
SG4875-004	GG17ICS1	1.45	g		L	SL	IC	HHM	07/17/2013						
SG4875-005	GG17ICS1	1.77	g		L	SL	IC	HHM	07/17/2013						
SG4875-006	GG17ICS1	1.33	g		L	SL	IC	HHM	07/17/2013						
SG4875-007	GG17ICS1	1.27	g		L	SL	IC	HHM	07/17/2013						
SG4875-008	GG17ICS1	1.55	g		L	SL	IC	HHM	07/17/2013						
SG4875-009	GG17ICS1	1.91	g		L	SL	IC	HHM	07/17/2013						
SG4875-009P	GG17ICS1	1.97	g		L	SL	IC	HHM	07/17/2013						
SG4875-009S	GG17ICS1	1.92	g		L	SL	IC	HHM	07/17/2013						
SG4875-010	GG17ICS1	1.62	g		L	SL	IC	HHM	07/17/2013						
SG4959-002	GG17ICS1	1.15	g		L	SL	IC	HHM	07/17/2013						A
SG4974-012	GG17ICS1	1.40	g		L	SL	IC	HHM	07/17/2013						
SW8463050LOD	GG17ICS1	1.0	g		L	SL	IC	HHM	07/17/2013						
SW8463050LOQ	GG17ICS1	1.0	g		L	SL	IC	HHM	07/17/2013						

HHM 7-17-13

Digestion performed by: HHM On: 7-17-13

Katahdin Analytical Services 4000534

CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary Section

Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG126819	SM2540	12-JUL-13	11-JUL-13	U 1 %	1 %	N/A

Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG126821	SM2540	12-JUL-13	11-JUL-13	U 1 %	1 %	N/A

Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG127021	SM2540	16-JUL-13	15-JUL-13	U 1 %	1 %	N/A
MBLANK	WG127023	SM2540	16-JUL-13	15-JUL-13	U 1 %	1 %	N/A

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG126819-2	LCS	WG126819	12-JUL-13	11-JUL-13	%	90	90.	100	80-120	

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG126821-2	LCS	WG126821	12-JUL-13	11-JUL-13	%	90	88.	98	80-120	

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG127021-2	LCS	WG127021	16-JUL-13	15-JUL-13	%	90	89.	99	80-120	
WG127023-2	LCS	WG127023	16-JUL-13	15-JUL-13	%	90	91.	101	80-120	

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG126819-3	SG4772-1	WG126819	12-JUL-13	%	68.	69.	2	20
WG126819-4	SG4772-20	WG126819	12-JUL-13	%	76.	77.	0	20

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG126821-3	SG4789-1	WG126821	12-JUL-13	%	56.	58.	3	20

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG127021-3	SG4872-1	WG127021	16-JUL-13	%	70.	70.	1	20

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Sample Data Section

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS
(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

MCL Maximum Contaminant Level

NL No limit

NFL No Free Liquid Present

FLP Free Liquid Present

NOD No Odor Detected

TON Threshold Odor Number

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

- H1 pH
- H2 DO
- H3 sulfite
- H4 residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS233-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	68. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:46:56	SM2540G	11-JUL-13	

Katahdin Analytical Services 5000014

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS234-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:07	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS210-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:14	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4772-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS209-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:22	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Boston,MA 02110

Lab Sample ID: SG4772-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS208-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	72. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:29	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Boston,MA 02110

Lab Sample ID: SG4772-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS211-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	77. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:36	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4772-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS244-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	61. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:44	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4772-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS222-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	52. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:47:53	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS221-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:01	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS223-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:09	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4772-11
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
T-PD1-SS223-0003-00	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	71. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:15	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4772-12
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS261-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	91. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:23	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-13
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS263-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	54. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:30	SM2540G	11-JUL-13	

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Lab Sample ID: SG4772-14
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS262-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:37	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-15
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS220-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	17. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:46	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-16
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS229-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	65. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:48:54	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-17
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS230-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	67. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:00	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-18
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS231-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	59. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:07	SM2540G	11-JUL-13	

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Lab Sample ID: SG4772-19
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS228-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	69. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:13	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4772-20
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS226-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG126819	12-JUL-13 06:49:20	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Boston,MA 02110

Lab Sample ID: SG4789-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS225-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	56. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:02	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS224-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:11	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
T-PD1-SS224-0003-00	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:18	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS254-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:27	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS252-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	72. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:34	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS253-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:41	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS240-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:49	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS239-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:58:57	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4789-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS241-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:04	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
T-PD1-SS241-0003-00	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:13	SM2540G	11-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4789-11
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS242-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	84. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:20	SM2540G	11-JUL-13	

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Lab Sample ID: SG4789-12
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS213-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:26	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4789-13
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS212-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	79. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:33	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4789-14
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS214-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:41	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Boston,MA 02110

Lab Sample ID: SG4789-15
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS238-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:49	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Boston,MA 02110

Lab Sample ID: SG4789-16
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS237-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	77. %	1		N/A	SM2540G	WG126821	12-JUL-13 06:59:58	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4789-17
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS236-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG126821	12-JUL-13 07:00:06	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4789-18
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS232-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	89. %	1		N/A	SM2540G	WG126821	12-JUL-13 07:00:12	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4789-19
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS235-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	75. %	1		N/A	SM2540G	WG126821	12-JUL-13 07:00:19	SM2540G	11-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4872-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS227-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:02	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4872-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS259-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:10	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4872-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS258-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	79. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:20	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4872-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS248-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	71. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:29	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS250-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	80. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:39	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS251-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:47	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS249-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:21:55	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS203-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	72. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:05	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS202-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	62. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:14	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS201-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	71. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:21	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-11
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS200-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	63. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:31	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-12
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS215-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	67. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:40	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-13
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS255-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	81. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:49	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4872-14
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
PD1-SS255-0003-00	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	80. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:22:57	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-15
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS256-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:05	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-16
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS206-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	63. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:13	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-17
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS205-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	69. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:22	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG4872-18
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS204-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:30	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-19
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS207-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	61. %	1		N/A	SM2540G	WG127021	16-JUL-13 07:23:37	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4872-20
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS260-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:33	SM2540G	15-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-1
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS243-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:41	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-2
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS219-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	59. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:49	SM2540G	15-JUL-13	

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Client: Beth Wasserman Badik
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Lab Sample ID: SG4875-3
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS218-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	70. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:27:55	SM2540G	15-JUL-13	

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Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4875-4
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS216-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	64. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:04	SM2540G	15-JUL-13	

Katahdin Analytical Services 500006

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4875-5
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS217-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	90. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:11	SM2540G	15-JUL-13	

Katahdin Analytical Services 500007

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4875-6
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS245-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	82. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:19	SM2540G	15-JUL-13	

Katahdin Analytical Services 500008

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4875-7
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS246-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:26	SM2540G	15-JUL-13	

Katahdin Analytical Services 500007

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4875-8
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS247-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	80. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:34	SM2540G	15-JUL-13	

Katahdin Analytical Services 500000

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4875-9
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD1-SS257-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:42	SM2540G	15-JUL-13	

Katahdin Analytical Services 500008

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4875-10
Report Date: 23-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-1

Sample Description	Matrix	Date Sampled	Date Received
PD1-SS257-0003-00	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG127023	16-JUL-13 07:28:52	SM2540G	15-JUL-13	

200 Technology Way
P.O. Box 540, Scarborough, ME 04070
http://www.katahdinlab.com

Raw Data Section

TOTAL SOLIDS BATCH REPORT
Jul 12 2013, 10:41 am
Batch: WG126819

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SG4772-1	SL	SAMP	WG126819	11-JUL-13	1.3414 g	9.6346 g	6.9689 g	KP	12-JUL-13	67.8570	68. %		
SG4772-10	SL	SAMP	WG126819	11-JUL-13	1.3355 g	14.3612 g	10.4441 g	KP	12-JUL-13	69.9280	70. %		
SG4772-11	SL	SAMP	WG126819	11-JUL-13	1.3333 g	14.9738 g	10.9757 g	KP	12-JUL-13	70.6890	71. %		
SG4772-12	SL	SAMP	WG126819	11-JUL-13	1.3343 g	17.1235 g	15.7456 g	KP	12-JUL-13	91.2730	91. %		
SG4772-13	SL	SAMP	WG126819	11-JUL-13	1.342 g	8.1166 g	4.9719 g	KP	12-JUL-13	53.5810	54. %		
SG4772-14	SL	SAMP	WG126819	11-JUL-13	1.3371 g	13.3749 g	11.2488 g	KP	12-JUL-13	82.3380	82. %		
SG4772-15	SL	SAMP	WG126819	11-JUL-13	1.331 g	17.1359 g	4.0218 g	KP	12-JUL-13	17.0250	17. %		
SG4772-16	SL	SAMP	WG126819	11-JUL-13	1.3345 g	11.6502 g	8.0717 g	KP	12-JUL-13	65.3100	65. %		
SG4772-17	SL	SAMP	WG126819	11-JUL-13	1.3325 g	16.3262 g	11.4403 g	KP	12-JUL-13	67.4140	67. %		
SG4772-18	SL	SAMP	WG126819	11-JUL-13	1.3351 g	15.5088 g	9.7175 g	KP	12-JUL-13	59.1400	59. %		
SG4772-19	SL	SAMP	WG126819	11-JUL-13	1.3403 g	13.4456 g	9.6919 g	KP	12-JUL-13	68.9910	69. %		
SG4772-2	SL	SAMP	WG126819	11-JUL-13	1.3381 g	10.0034 g	7.7879 g	KP	12-JUL-13	74.4320	74. %		
SG4772-20	SL	SAMP	WG126819	11-JUL-13	1.337 g	12.8513 g	10.1384 g	KP	12-JUL-13	76.4390	76. %		
SG4772-3	SL	SAMP	WG126819	11-JUL-13	1.3348 g	9.09 g	6.4823 g	KP	12-JUL-13	66.3750	66. %		
SG4772-4	SL	SAMP	WG126819	11-JUL-13	1.3411 g	10.1816 g	7.0236 g	KP	12-JUL-13	64.2780	64. %		
SG4772-5	SL	SAMP	WG126819	11-JUL-13	1.3275 g	11.5573 g	8.7347 g	KP	12-JUL-13	72.4080	72. %		
SG4772-6	SL	SAMP	WG126819	11-JUL-13	1.336 g	12.4588 g	9.8805 g	KP	12-JUL-13	76.8200	77. %		
SG4772-7	SL	SAMP	WG126819	11-JUL-13	1.3347 g	9.871 g	6.5557 g	KP	12-JUL-13	61.1620	61. %		
SG4772-8	SL	SAMP	WG126819	11-JUL-13	1.3323 g	8.1953 g	4.9244 g	KP	12-JUL-13	52.3400	52. %		
SG4772-9	SL	SAMP	WG126819	11-JUL-13	1.3465 g	16.6143 g	12.4832 g	KP	12-JUL-13	72.9420	73. %		
WG126819-1	SL	MBLANK	WG126819	11-JUL-13	1.3415 g	1.8331 g	1.3388 g	KP	12-JUL-13	-0.5490	1 %		
WG126819-2	SL	LCS	WG126819	11-JUL-13	1.3402 g	6.339 g	5.8485 g	KP	12-JUL-13	90.1880	90. %	100	
WG126819-3	SL	DUP	WG126819	11-JUL-13	1.3346 g	9.261 g	6.8315 g	KP	12-JUL-13	69.3490	69. %		2
WG126819-4	SL	DUP	WG126819	11-JUL-13	1.3332 g	13.6371 g	10.7755 g	KP	12-JUL-13	76.7420	77. %		0

Comments:

SG4772-1	NASB-SKT-PD1-SS233-0003
SG4772-10	NASB-SKT-PD1-SS223-0003 MS/MSD
SG4772-11	NASB-SKT-PD1-SS223-0003-00
SG4772-12	NASB-SKT-PD1-SS261-0003
SG4772-13	NASB-SKT-PD1-SS263-0003
SG4772-14	NASB-SKT-PD1-SS262-0003
SG4772-15	NASB-SKT-PD1-SS220-0003
SG4772-16	NASB-SKT-PD1-SS229-0003
SG4772-17	NASB-SKT-PD1-SS230-0003
SG4772-18	NASB-SKT-PD1-SS231-0003
SG4772-19	NASB-SKT-PD1-SS228-0003
SG4772-2	NASB-SKT-PD1-SS234-0003
SG4772-20	NASB-SKT-PD1-SS226-0003
SG4772-3	NASB-SKT-PD1-SS210-0003
SG4772-4	NASB-SKT-PD1-SS209-0003
SG4772-5	NASB-SKT-PD1-SS208-0003
SG4772-6	NASB-SKT-PD1-SS211-0003
SG4772-7	NASB-SKT-PD1-SS244-0003
SG4772-8	NASB-SKT-PD1-SS222-0003
SG4772-9	NASB-SKT-PD1-SS221-0003
WG126819-1	SG4772-1
WG126819-2	SG4772-1

Entered by: [signature] Date: 7/12/13 Accepted by: [signature] Date: 07/12/13

Kleinfelder/Analytical Services 5000084

KATAHDIN ANALYTICAL SERVICES, INC.

TOTAL SOLIDS: ASTM D2216 - PQL: 0.10%		TOTAL VOLATILE SOLIDS: SM2540 G / E160.4 - PQL 0.10%		
ANALYST IN: KP	ANALYST OUT: KP	BALANCE ID: OHAUS - SN: 112401631		
DATE IN: 7/11/13	DATE OUT: 7/12/13	TRUE WT (g)	INITIAL WT (g)	FINAL WT (g)
TIME IN: 0830	TIME OUT: 0535	~~2.0000~~ 1.0000	0.9997	0.9995
TEMP IN: 103	TEMP OUT: 103	~~5.0000~~ 50.0000	49.9995	49.9997
Oven ID: 107N0042	Muffle Oven ID: 030807 (assigned)	10.0000	9.9995	9.9995
CHECKED BY: [illegible]	DATE: 07/12/13	100.0000	99.9995	99.9995

R238833

SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
WG1260819-1Blank	1					
↓ -2LCS	2					
SG4772-1	3					
-1DUP	4					
-2	5					
-3	6					
-4	7					
-5	8					
-6	9					
-7	10					
-8	11					
-9	12					
-10	13					
-11	14					
-12	15					
-13	16					
-14	17					
-15	18					
-16	19					
-17	20					
-18	21					
-19	22					
-20	23				KP	7/12/13
↓ -20DUP	24					

WL-001 - Revision 1 - 11/05/2009

QAWL682

0000072

Katahdin Analytical Services 5000085

TOTAL SOLIDS BATCH REPORT
Jul 12 2013, 10:42 am
Batch: WG126821

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SG4789-1	SL	SAMP	WG126821	11-JUL-13	1.333 g	10.8532 g	6.6928 g	KP	12-JUL-13	56.2990	56. %		
SG4789-10	SL	SAMP	WG126821	11-JUL-13	1.3332 g	17.4447 g	15.8132 g	KP	12-JUL-13	89.8740	90. %		
SG4789-11	SL	SAMP	WG126821	11-JUL-13	1.3356 g	11.5312 g	9.9232 g	KP	12-JUL-13	84.2280	84. %		
SG4789-12	SL	SAMP	WG126821	11-JUL-13	1.3272 g	9.6897 g	7.6465 g	KP	12-JUL-13	75.5670	76. %		
SG4789-13	SL	SAMP	WG126821	11-JUL-13	1.3341 g	9.1227 g	7.4967 g	KP	12-JUL-13	79.1230	79. %		
SG4789-14	SL	SAMP	WG126821	11-JUL-13	1.3306 g	16.3653 g	12.3189 g	KP	12-JUL-13	73.0860	73. %		
SG4789-15	SL	SAMP	WG126821	11-JUL-13	1.3263 g	12.6137 g	10.1528 g	KP	12-JUL-13	78.1980	78. %		
SG4789-16	SL	SAMP	WG126821	11-JUL-13	1.3461 g	9.9548 g	7.9477 g	KP	12-JUL-13	76.6850	77. %		
SG4789-17	SL	SAMP	WG126821	11-JUL-13	1.3343 g	12.6379 g	10.5907 g	KP	12-JUL-13	81.8890	82. %		
SG4789-18	SL	SAMP	WG126821	11-JUL-13	1.3324 g	12.8721 g	11.6126 g	KP	12-JUL-13	89.0860	89. %		
SG4789-19	SL	SAMP	WG126821	11-JUL-13	1.3324 g	8.7859 g	6.9222 g	KP	12-JUL-13	74.9960	75. %		
SG4789-2	SL	SAMP	WG126821	11-JUL-13	1.3361 g	13.5344 g	9.8397 g	KP	12-JUL-13	69.7110	70. %		
SG4789-3	SL	SAMP	WG126821	11-JUL-13	1.3432 g	14.3765 g	10.4528 g	KP	12-JUL-13	69.8950	70. %		
SG4789-4	SL	SAMP	WG126821	11-JUL-13	1.3275 g	13.6619 g	11.4577 g	KP	12-JUL-13	82.1300	82. %		
SG4789-5	SL	SAMP	WG126821	11-JUL-13	1.3305 g	12.1834 g	9.1827 g	KP	12-JUL-13	72.3510	72. %		
SG4789-6	SL	SAMP	WG126821	11-JUL-13	1.332 g	14.1521 g	11.2855 g	KP	12-JUL-13	77.6400	78. %		
SG4789-7	SL	SAMP	WG126821	11-JUL-13	1.3353 g	12.5635 g	9.5393 g	KP	12-JUL-13	73.0660	73. %		
SG4789-8	SL	SAMP	WG126821	11-JUL-13	1.3302 g	12.6779 g	9.6796 g	KP	12-JUL-13	73.5780	74. %		
SG4789-9	SL	SAMP	WG126821	11-JUL-13	1.3319 g	15.8361 g	14.3067 g	KP	12-JUL-13	89.4550	89. %		
SG4810-1	SL	SAMP	WG126821	11-JUL-13	1.3328 g	10.7005 g	3.5105 g	KP	12-JUL-13	23.2470	23. %		
WG126821-1	SL	MBLANK	WG126821	11-JUL-13	1.3347 g	1.8302 g	1.3351 g	KP	12-JUL-13	0.0810	1 %		
WG126821-2	SL	LCS	WG126821	11-JUL-13	1.3217 g	5.3481 g	4.8571 g	KP	12-JUL-13	87.8050	88. %	98	
WG126821-3	SL	DUP	WG126821	11-JUL-13	1.332 g	14.0948 g	8.709 g	KP	12-JUL-13	57.8010	58. %		3
WG126821-4	SL	DUP	WG126821	11-JUL-13	1.3252 g	9.8754 g	3.3089 g	KP	12-JUL-13	23.2010	23. %		0

Comments:

SG4789-1	NASB-SKT-PD1-SS225-0003
SG4789-10	NASB-SKT-PD1-SS241-0003-00
SG4789-11	NASB-SKT-PD1-SS242-0003
SG4789-12	NASB-SKT-PD1-SS213-0003
SG4789-13	NASB-SKT-PD1-SS212-0003
SG4789-14	NASB-SKT-PD1-SS214-0003
SG4789-15	NASB-SKT-PD1-SS238-0003
SG4789-16	NASB-SKT-PD1-SS237-0003
SG4789-17	NASB-SKT-PD1-SS236-0003
SG4789-18	NASB-SKT-PD1-SS232-0003
SG4789-19	NASB-SKT-PD1-SS235-0003
SG4789-2	NASB-SKT-PD1-SS224-0003 MS/MSD
SG4789-3	NASB-SKT-PD1-SS224-0003-00
SG4789-4	NASB-SKT-PD1-SS254-0003
SG4789-5	NASB-SKT-PD1-SS252-0003
SG4789-6	NASB-SKT-PD1-SS253-0003
SG4789-7	NASB-SKT-PD1-SS240-0003
SG4789-8	NASB-SKT-PD1-SS239-0003
SG4789-9	NASB-SKT-PD1-SS241-0003 MS/MSD
WG126821-1	SG4789-2
WG126821-2	SG4789-1
WG126821-3	SG4789-1

Entered by: _____ Date: 7/12/13 Accepted by: _____ Date: 07/12/13

Katahdin Analytical Services 5000086

KATAHDIN ANALYTICAL SERVICES, INC.

TOTAL SOLIDS: ASTM D2216 - PQL: 0.10%		TOTAL VOLATILE SOLIDS: SM2540 G / E160.4 - PQL 0.10%		
ANALYST IN: KP	ANALYST OUT: KP	BALANCE ID: OHAUS - SN: 112401631		
DATE IN: 7/11/13	DATE OUT: 7/12/13	TRUE WT (g)	INITIAL WT (g)	FINAL WT (g)
TIME IN: 0900	TIME OUT: 0535	~~2.0000~~ 1.0000	0.9997	0.9995
TEMP IN: 103	TEMP OUT: 103	~~5.0000~~ 50.0000	49.9995	49.9997
Oven ID: 107N0042	Muffle Oven ID: 030807 (assigned)	10.0000	9.9995	9.9995
CHECKED BY: [illegible]	DATE: 07/12/13	100.0000	99.9995	99.9995

R238837

SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
WG126821-1 Blank	1	1.3347	1.8302	1.3351	1.3348	0927
-2 LCS	2					
S64789-1	3					
-1 Dup	4					
-2	5					
-3	6					
-4	7					
-5	8					
-6	9					
-7	10					
-8	11					
-9	12					
-10	13					
-11	14					
-12	15					
-13	16					
-14	17					
-15	18					
-16	19					
-17	20					
-18	21					
-19	22					
S64810-1	23	1.3328	10.7005	3.5105	1.6248	0927
-1 Dup	24	1.3252	9.8754	3.3089	1.5890	0927

KP 7/12/13

TVS
WG126831
R239014

TVS

WL-001 - Revision 1 - 11/05/2009

QAWL682

TOTAL SOLIDS BATCH REPORT
Jul 16 2013, 08:53 am
Batch: WG127021

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SG4872-1	SL	SAMP	WG127021	15-JUL-13	1.3251 g	11.9074 g	8.7951 g	KP	16-JUL-13	70.5900	70. %		
SG4872-10	SL	SAMP	WG127021	15-JUL-13	1.3408 g	14.2515 g	10.5593 g	KP	16-JUL-13	71.4020	71. %		
SG4872-11	SL	SAMP	WG127021	15-JUL-13	1.3234 g	11.9357 g	8.0548 g	KP	16-JUL-13	63.4300	63. %		
SG4872-12	SL	SAMP	WG127021	15-JUL-13	1.3287 g	14.5043 g	10.1097 g	KP	16-JUL-13	66.6460	67. %		
SG4872-13	SL	SAMP	WG127021	15-JUL-13	1.3327 g	18.2395 g	15 g	KP	16-JUL-13	80.8390	81. %		
SG4872-14	SL	SAMP	WG127021	15-JUL-13	1.3245 g	17.3878 g	14.2521 g	KP	16-JUL-13	80.4790	80. %		
SG4872-15	SL	SAMP	WG127021	15-JUL-13	1.3301 g	18.1378 g	14.4346 g	KP	16-JUL-13	77.9670	78. %		
SG4872-16	SL	SAMP	WG127021	15-JUL-13	1.3339 g	10.1354 g	6.8565 g	KP	16-JUL-13	62.7460	63. %		
SG4872-17	SL	SAMP	WG127021	15-JUL-13	1.3328 g	11.791 g	8.5872 g	KP	16-JUL-13	69.3660	69. %		
SG4872-18	SL	SAMP	WG127021	15-JUL-13	1.3266 g	14.4264 g	11.3468 g	KP	16-JUL-13	76.4910	76. %		
SG4872-19	SL	SAMP	WG127021	15-JUL-13	1.3192 g	11.2891 g	7.4076 g	KP	16-JUL-13	61.0680	61. %		
SG4872-2	SL	SAMP	WG127021	15-JUL-13	1.3325 g	13.5011 g	10.3941 g	KP	16-JUL-13	74.4670	74. %		
SG4872-3	SL	SAMP	WG127021	15-JUL-13	1.3292 g	16.0065 g	12.8936 g	KP	16-JUL-13	78.7910	79. %		
SG4872-4	SL	SAMP	WG127021	15-JUL-13	1.3319 g	12.714 g	9.4368 g	KP	16-JUL-13	71.2070	71. %		
SG4872-5	SL	SAMP	WG127021	15-JUL-13	1.3257 g	14.6381 g	11.9271 g	KP	16-JUL-13	79.6360	80. %		
SG4872-6	SL	SAMP	WG127021	15-JUL-13	1.3263 g	12.9262 g	8.7334 g	KP	16-JUL-13	63.8550	64. %		
SG4872-7	SL	SAMP	WG127021	15-JUL-13	1.3245 g	12.5998 g	9.5852 g	KP	16-JUL-13	73.2640	73. %		
SG4872-8	SL	SAMP	WG127021	15-JUL-13	1.3264 g	12.3429 g	9.3068 g	KP	16-JUL-13	72.4400	72. %		
SG4872-9	SL	SAMP	WG127021	15-JUL-13	1.326 g	9.2245 g	6.1961 g	KP	16-JUL-13	61.6580	62. %		
SG4922-1	SL	SAMP	WG127021	15-JUL-13	1.3354 g	8.5246 g	2.2392 g	KP	16-JUL-13	12.5720	12. %		
WG127021-1	SL	MBLANK	WG127021	15-JUL-13	1.3249 g	1.8224 g	1.3243 g	KP	16-JUL-13	-0.1210	1 %		
WG127021-2	SL	LCS	WG127021	15-JUL-13	1.3334 g	5.9856 g	5.4905 g	KP	16-JUL-13	89.3580	89. %	99	
WG127021-3	SL	DUP	WG127021	15-JUL-13	1.3309 g	11.8767 g	8.6864 g	KP	16-JUL-13	69.7480	70. %		1
WG127021-4	SL	DUP	WG127021	15-JUL-13	1.341 g	7.7639 g	2.2363 g	KP	16-JUL-13	13.9390	14. %		10

Comments:

SG4872-1	NASB-SKT-PD1-SS227-0003
SG4872-10	NASB-SKT-PD1-SS201-0003
SG4872-11	NASB-SKT-PD1-SS200-0003
SG4872-12	NASB-SKT-PD1-SS215-0003
SG4872-13	NASB-SKT-PD1-SS255-0003 MS/MSD
SG4872-14	NASB-SKT-PD1-SS255-0003-00
SG4872-15	NASB-SKT-PD1-SS256-0003
SG4872-16	NASB-SKT-PD1-SS206-0003
SG4872-17	NASB-SKT-PD1-SS205-0003
SG4872-18	NASB-SKT-PD1-SS204-0003
SG4872-19	NASB-SKT-PD1-SS207-0003
SG4872-2	NASB-SKT-PD1-SS259-0003
SG4872-3	NASB-SKT-PD1-SS258-0003
SG4872-4	NASB-SKT-PD1-SS248-0003
SG4872-5	NASB-SKT-PD1-SS250-0003
SG4872-6	NASB-SKT-PD1-SS251-0003
SG4872-7	NASB-SKT-PD1-SS249-0003
SG4872-8	NASB-SKT-PD1-SS203-0003
SG4872-9	NASB-SKT-PD1-SS202-0003
WG127021-1	SG4872-1
WG127021-2	SG4872-1
WG127021-3	SG4872-1

Entered by: _____ Date: 7/16/13 Accepted by: _____ Date: 07/16/13

Katahdin Analytical Services 5000088

KATAHDIN ANALYTICAL SERVICES, INC.

TOTAL SOLIDS: ASTM D2216 - PQL: 0.10%

ANALYST IN:	KP	ANALYST OUT:	KP
DATE IN:	7/15/13	DATE OUT:	7/16/13
TIME IN:	0745	TIME OUT:	555
TEMP IN:	103	TEMP OUT:	103
Oven ID:	107N0042	Muffle Oven ID:	030807 (assigned)
CHECKED BY:	[illegible]	DATE:	07/16/13

TOTAL VOLATILE SOLIDS: SM2540 G / E160.4 - PQL 0.10%

BALANCE ID: OHAUS - SN: 112401631

TRUE WT (g)	INITIAL WT (g)	FINAL WT (g)
~~2.0000~~ 1.0000	0.9999	1.0005
~~5.0000~~ 50.0000	49.9996	50.0003
10.0000	9.9995	10.0000
100.0000	99.9995	99.9997

R239235

SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
WG127021-1 Blank	1					
-2 LCS	2					
SG4872-1	3					
-1 DUP	4					
-2	5					
-3	6					
-4	7					
-5	8					
-6	9					
-7	10					
-8	11					
-9	12					
-10	13					
-11	14					
-12	15					
-13	16					
-14	17					
-15	18					
-16	19					
-17	20					
-18	21					
-19	22					
SG4922-1	23					
-1 DUP	24				KP	7/16/13

TWS
WG127032
R

WL-001 - Revision 1 - 11/05/2009

QAWL682

TOTAL SOLIDS BATCH REPORT
Jul 16 2013, 08:54 am
Batch: WG127023

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SG4867-3	SL	SAMP	WG127023	15-JUL-13	1.3197 g	23.375 g	20.8305 g	KP	16-JUL-13	88.4630	88. %		
SG4867-4	SL	SAMP	WG127023	15-JUL-13	1.3247 g	30.6608 g	26.0107 g	KP	16-JUL-13	84.1490	84. %		
SG4867-5	SL	SAMP	WG127023	15-JUL-13	1.3313 g	24.9947 g	22.317 g	KP	16-JUL-13	88.6840	89. %		
SG4872-20	SL	SAMP	WG127023	15-JUL-13	1.332 g	22.958 g	15.282 g	KP	16-JUL-13	64.5060	64. %		
SG4875-1	SL	SAMP	WG127023	15-JUL-13	1.3292 g	15.0039 g	10.3917 g	KP	16-JUL-13	66.2720	66. %		
SG4875-10	SL	SAMP	WG127023	15-JUL-13	1.3206 g	15.2251 g	12.0993 g	KP	16-JUL-13	77.5200	78. %		
SG4875-2	SL	SAMP	WG127023	15-JUL-13	1.3208 g	11.6605 g	7.4246 g	KP	16-JUL-13	59.0330	59. %		
SG4875-3	SL	SAMP	WG127023	15-JUL-13	1.3321 g	10.9456 g	8.0754 g	KP	16-JUL-13	70.1440	70. %		
SG4875-4	SL	SAMP	WG127023	15-JUL-13	1.3316 g	13.0789 g	8.8933 g	KP	16-JUL-13	64.3700	64. %		
SG4875-5	SL	SAMP	WG127023	15-JUL-13	1.3265 g	17.4903 g	15.8049 g	KP	16-JUL-13	89.5730	90. %		
SG4875-6	SL	SAMP	WG127023	15-JUL-13	1.3229 g	13.9305 g	11.5983 g	KP	16-JUL-13	81.5020	82. %		
SG4875-7	SL	SAMP	WG127023	15-JUL-13	1.3203 g	12.1448 g	10.6786 g	KP	16-JUL-13	86.4550	86. %		
SG4875-8	SL	SAMP	WG127023	15-JUL-13	1.3248 g	11.5471 g	9.5253 g	KP	16-JUL-13	80.2220	80. %		
SG4875-9	SL	SAMP	WG127023	15-JUL-13	1.3261 g	14.8775 g	11.6037 g	KP	16-JUL-13	75.8420	76. %		
SG4903-1	SL	SAMP	WG127023	15-JUL-13	1.3378 g	15.2685 g	1.773 g	KP	16-JUL-13	3.1240	3.1 %		
SG4923-1	SL	SAMP	WG127023	15-JUL-13	1.3256 g	8.3809 g	4.1434 g	KP	16-JUL-13	39.9390	40. %		
SG4923-2	SL	SAMP	WG127023	15-JUL-13	1.3339 g	9.7562 g	4.4715 g	KP	16-JUL-13	37.2530	37. %		
SG4929-1	SL	SAMP	WG127023	15-JUL-13	1.3238 g	24.2802 g	21.015 g	KP	16-JUL-13	85.7760	86. %		
SG4929-2	SL	SAMP	WG127023	15-JUL-13	1.3254 g	27.6664 g	23.7712 g	KP	16-JUL-13	85.2120	85. %		
SG4929-3	SL	SAMP	WG127023	15-JUL-13	1.325 g	23.8516 g	15.2801 g	KP	16-JUL-13	61.9490	62. %		
WG127023-1	SL	MBLANK	WG127023	15-JUL-13	1.3306 g	1.8281 g	1.33 g	KP	16-JUL-13	-0.1210	1 %		
WG127023-2	SL	LCS	WG127023	15-JUL-13	1.3295 g	6.8178 g	6.3259 g	KP	16-JUL-13	91.0370	91. %	101	
WG127023-3	SL	DUP	WG127023	15-JUL-13	1.3279 g	25.1276 g	22.638 g	KP	16-JUL-13	89.5390	90. %		1
WG127023-4	SL	DUP	WG127023	15-JUL-13	1.3283 g	20.3733 g	10.6418 g	KP	16-JUL-13	48.9020	49. %		24

Comments:

SG4872-20	NASB-SKT-PD1-SS260-0003
SG4875-1	NASB-SKT-PD1-SS243-0003
SG4875-10	NASB-SKT-PD1-SS257-0003-00
SG4875-2	NASB-SKT-PD1-SS219-0003
SG4875-3	NASB-SKT-PD1-SS218-0003
SG4875-4	NASB-SKT-PD1-SS216-0003
SG4875-5	NASB-SKT-PD1-SS217-0003
SG4875-6	NASB-SKT-PD1-SS245-0003
SG4875-7	NASB-SKT-PD1-SS246-0003
SG4875-8	NASB-SKT-PD1-SS247-0003
SG4875-9	NASB-SKT-PD1-SS257-0003 MS/MSD
WG127023-1	SG4867-3
WG127023-2	SG4867-3
WG127023-3	SG4867-3
WG127023-4	SG4929-3

Entered by: _____ Date: 7/16/13 Accepted by: _____ Date: 07/16/13

Kitsap Analytical Services 5000090

KATAHDIN ANALYTICAL SERVICES, INC.

TOTAL SOLIDS: ASTM D2216 - PQL: 0.10%		TOTAL VOLATILE SOLIDS: SM2540 G / E160.4 - PQL 0.10%		
ANALYST IN: KP	ANALYST OUT: KP	BALANCE ID: OHAUS - SN: 112401631		
DATE IN: 7/15/13	DATE OUT: 7/16/13	TRUE WT (g)	INITIAL WT (g)	FINAL WT (g)
TIME IN: 0825	TIME OUT: 555	~~2.0000~~ 1.0000	0.9999	1.0005
TEMP IN: 103	TEMP OUT: 103	~~5.0000~~ 50.0000	49.9996	50.0003
Oven ID: 107N0042	Muffle Oven ID: 030807 (assigned)	10.0000	9.9995	10.0000
CHECKED BY: [illegible]	DATE: 07/16/13	100.0000	99.9995	99.9997

R239237

	SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
	WG127023-1 Blank	1					
	-2 LCS	2					
	SG4867-3	3					
	-3 DUP	4					
	-4	5					
	-5	6					
	SG4872-20	7					
	SG4875-1	8					
	-2	9					
	-3	10					
	-4	11					
	-5	12					
	-6	13					
	-7	14					
	-8	15					
	-9	16					
	-10	17					
TVS	SG4903-1	18					
TVS	SG4923-1	19					
	-2	20					
	SG4929-1	21					
	-2	22					
	-3	23					
	-3 DUP	24					

KP 7/16/13

TVS (SM) WG127033 R

TVS (E160.4) WG127034 R

WL-001 - Revision 1 - 11/05/2009

QAWL682

0000077

Katahdin Analytical Services 5000091

PARSONS
NAS BRUNSWICK PROJECT #0714
SDG: SKEET-2
SG4790, SG4876 & SG5265

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

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SAMPLE DATA PACKAGE

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
PARSONS
NAS BRUNSWICK PROJECT #0714
SDG: SKEET-2
SG4790, SG4876 and SG5265

Sample Receipt

The following samples were received on July 9, 11 and 23, 2013 and were logged in under Katahdin Analytical Services work order numbersSG4790, SG4876 and SG5265for a hardcopy due date of August 12, 2013.

KATAHDIN Sample No.	PARSONS Sample Identification
SG4790-1	NASB-SKT-PD2-SS301-0003
SG4790-2	NASB-SKT-PD2-SS300-0003
SG4790-3	NASB-SKT-PD2-SS302-0003
SG4790-4	NASB-SKT-PD2-SS309-0003
SG4790-5	NASB-SKT-PD2-SS303-0003
SG4790-6	NASB-SKT-PD2-SS308-0003
SG4790-7	NASB-SKT-PD2-SS307-0003
SG4790-8	NASB-SKT-PD2-SS306-0003
SG4790-9	NASB-SKT-PD2-SS305-0003
SG4790-10	NASB-SKT-PD2-SS312-0003
SG4790-11	NASB-SKT-PD2-SS311-0003
SG4790-12	NASB-SKT-PD2-SS313-0003
SG4790-13	NASB-SKT-PD2-SS325-0003
SG4790-14	NASB-SKT-PD2-SS323-0003
SG4790-15	NASB-SKT-PD2-SS324-0003
SG4790-16	NASB-SKT-PD2-SS321-0003
SG4876-1	NASB-SKT-PD2-SS320-0003
SG4876-2	NASB-SKT-PD2-SS322-0003
SG4876-3	NASB-SKT-PD2-SS310-0003
SG4876-4	NASB-SKT-PD2-SS326-0003
SG4876-5	NASB-SKT-PD2-SS327-0003
SG4876-6	NASB-SKT-PD2-SS328-0003
SG4876-7	NASB-SKT-PD2-SS319-0003
SG4876-8	NASB-SKT-PD2-SS318-0003
SG4876-9	NASB-SKT-PD2-SS316-0003
SG4876-10	NASB-SKT-PD2-SS314-0003
SG4876-11	NASB-SKT-PD2-SS314-0003-00
SG4876-12	NASB-SKT-PD2-SS317-0003
SG4876-13	NASB-SKT-PD2-SS315-0003
SG5265-1	NASB-SKT-PD2-SS329-0003
SG5265-2	NASB-SKT-PD2-SS329-0003-00
SG5265-3	NASB-SKT-PD2-SS330-0003
SG5265-4	NASB-SKT-PD2-SS331-0003

SG5265-5	NASB-SKT-PD2-SS332-0003
SG5265-6	NASB-SKT-PD2-SS333-0003

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Some of the clients IDs on the Chain of Custody exceed the 19-character limit of the Katahdin Analytical Information Management System. The first characters "NASB-SKT-" in the client ID for sample SG4876-11 were omitted on all forms. The first characters "NASB-SK" in the client ID for sample SG5265-2 were omitted on all forms. The first characters "NASB-" in the client ID for all samples excluding SG4876-11 and SG5265-2, which were mentioned above, were omitted on all forms.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Ms. Jennifer Obrin**. This narrative is an integral part of the Report of Analysis.

Metals Analysis

The samples of SDG SKEET-2 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Solid-matrix Katahdin Sample Numbers SG4790-(1, 2, 5-9, 13, and 15) and SG4876-(4 and 9) were digested for ICP analysis on 07/23/13 (QC Batch GG23ICS1) in accordance with USEPA Method 3050B. Katahdin Sample Number SG4790-6 was prepared with duplicate matrix-spiked aliquots.

Solid-matrix Katahdin Sample Numbers SG5265-(1-6) were digested for ICP analysis on 07/24/13 (QC Batch GG24ICS1) in accordance with USEPA Method 3050B. Katahdin Sample Number SG5265-1 was prepared with a matrix-spiked aliquot.

A duplicate aliquot and a matrix-spiked duplicate aliquot of Solid-matrix Katahdin Sample Number SG5265-1 were digested for ICP analysis on 07/25/13 (QC Batch GG25ICS1) in accordance with USEPA Method 3050B.

ICP analyses of SDG SKEET-2 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer in accordance with USEPA Method 6010C. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The measured recovery of lead in the matrix-spiked aliquots of Katahdin Sample Number SG4790-6 and SG5265-1 were within the project acceptance criteria (80% - 120% recovery of the added element, if the native concentration is less than four times the amount added).

The measured recovery of lead in post-digestion spiked aliquots of Katahdin Sample Numbers SG4790-6 and SG5265-1 is within the project's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added).

The matrix spike duplicate analyses of Katahdin Sample Number SG4790-6 is within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for lead.

The matrix spike duplicate analyses of Katahdin Sample Number SG5265-1 is outside the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for lead.

The serial dilution analyses of Katahdin Sample Numbers SG4790-6 and SG5265-1 are within the project acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the LOQ) for lead.

Reporting of Metals Results

Per client request, analytical results for client samples on Form I and preparation blanks on Form IIIP have been reported using the laboratory's limits of detection (LOD). All results were evaluated down to the laboratory's method detection limits (MDLs). Results that fall between the MDL and the LOQ are flagged with "J" in the C-qualifier column, and the measured concentration appears in the concentration column. Results that are less than the MDL are flagged with "U" in the C-qualifier column, and the LOD is listed in the concentration column. These LOQs, MDLs, and LODs have been adjusted for each sample based on the sample amounts used in preparation and analysis.

Analytical results on Forms VA, VD, VII, and IX for client samples, matrix QC samples (duplicates and matrix spikes), and laboratory control samples have been reported down to the laboratory's method detection limits (MDLs). Analytical results that are below the MDLs are flagged with "U" in the C-qualifier column, and the measured concentration is listed in the concentration column.

Analytical results for instrument run QC samples (ICVs, ICBs, etc.) have been reported down to the laboratory's instrument detection limits (IDLs).

IDLs, LODs, MDLs, and LOQs are listed on Form 10 of the accompanying data package.

Wet Chemistry Analysis

The samples of SDG SKEET-2 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to "Standard Methods for the Examination of Water and Wastewater", 15th, 16th, 17th, 18th, 19th, and 20th editions, 1980, 1985, 1989, 1992, 1995, 1999. APHA-AWWA-WPCF.

All analyses were performed within analytical holding times. All quality control criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or Quality Assurance Officer, as verified by the following signature.

Leslie Dimond
08.13.13

Leslie Dimond
Quality Assurance Officer

Jennifer Obrin SG4790, SG4876

From: Badik, Beth [Beth.Badik@parsons.com]
Sent: Monday, July 22, 2013 1:29 PM
To: 'Jennifer Obrin'
Cc: Belanger, Todd
Subject: samples off of hold

Here are the samples that should be taken off hold and analyzed with the soil samples you'll be receiving tomorrow

NASB-SKT-PD2-SS300-0003 SG4790-2
NASB-SKT-PD2-SS301-0003 SG4790-1
NASB-SKT-PD2-SS303-0003 SG4790-5
NASB-SKT-PD2-SS305-0003 SG4790-9
NASB-SKT-PD2-SS306-0003 SG4790-8
NASB-SKT-PD2-SS307-0003 SG4790-7
NASB-SKT-PD2-SS308-0003 SG4790-6
NASB-SKT-PD2-SS316-0003 SG4876-9
NASB-SKT-PD2-SS324-0003 SG4790-15
NASB-SKT-PD2-SS325-0003 SG4790-13
NASB-SKT-PD2-SS326-0003 SG4876-4

Beth Wasserman Badik
Project Manager
PARSONS

100 High St, 4th Fl.
Boston, Massachusetts 02110
www.parsons.com
Tel: (617) 449-1565
Cell: (617) 429-9624
beth.badik@parsons.com

No virus found in this message.
Checked by AVG - www.avg.com
Version: 2013.0.3349 / Virus Database: 3204/6509 - Release Date: 07/21/13

000006

Katahdin Analytical Services, Inc. Sample Receipt Condition Report

Client:	Parsons	KAS PM:	JO	Sampled By:	Client
Project:		KIMS Entry By:	GW	Delivered By:	KAS
KAS Work Order#:	SG4772/SG4789/SG4790	KIMS Review By:		Received By:	DM
SDG #:	Cooler: 1 of 1			Date/Time Rec.:	7-9-13 1545

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		✓			
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 4.4
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea				✓	
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Kalamazoo Analytical Services, Inc. — Sample Receipt Condition Report

Client:	Parsons	KAS PM:	JO	Sampled By:	Client
Project:		KIMS Entry By:	Gw	Delivered By:	KAS
KAS Work Order#:	SG4872 / 4875 / 4876	KIMS Review By:	JO	Received By:	DM
SDG #:	Cooler: 1 of 1			Date/Time Rec.:	7-1-13 1545

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?		✓			
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 1.2
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea				✓	
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin Analytical Services, Inc. — Sample Receipt Condition Report

Client:	Parsons	KAS PM:	JD	Sampled By:	Client
Project:		KIMS Entry By:	[illegible]	Delivered By:	KAS
KAS Work Order#:	SG5265	KIMS Review By:	[illegible]	Received By:	DM
SDG #:	Cooler: 1 of 1			Date/Time Rec.:	7-23-13 1620

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	✓				
5. Temperature Blanks present? If not, take temperature of any sample w/ IR gun.	✓				Temp (°C): 4.0
Samples received at <6 °C w/o freezing?	✓				Note: Not required for metals analysis.
Ice packs or ice present?	✓				The lack of ice or ice packs (i.e. no attempt to begin cooling process) may not meet certain regulatory requirements and may invalidate certain data.
If temp. out, has the cooling process begun (i.e. ice or packs present) and sample collection times <6hrs., but samples are not yet cool?				✓	Note: No cooling process required for metals analysis.
6. Volatiles free of headspace: **Aqueous:** No bubble larger than a pea				✓	
Soil/Sediment: Received in airtight container?				✓	
Received in methanol?				✓	
Methanol covering soil?				✓	
7. Trip Blank present in cooler?				✓	
8. Proper sample containers and volume?	✓				
9. Samples within hold time upon receipt?	✓				
10. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2				✓	
Sulfide - >9				✓	
Cyanide – pH >12				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS
Contact: BETH BADIK
Phone #: (617) 449-1565
Fax #: ( )
Address: 100 HIGH ST. 4th FLOOR
City: BOSTON
State: MA
Zip Code: 02110
Purchase Order #:
Proj. Name / No: NASB ORION ST. SKEET RANGE
Katahdin Quote #:
Bill (if different than above):
Address:
Sampler (Print / Sign): TODD BRANGER
Copies To:

LAB USE ONLY
WORK ORDER #:
KATAHDIN PROJECT NUMBER: SG4772 SG4790
REMARKS:
SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description (All IDs start with NASB-SKT-)	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS233-0003	7/8/13/1615	soil	1	X										
	PD1-SS234-0003	/1630		1	X										
	PD1-SS210-0003	/1650		1	X										
	PD1-SS209-0003	/1655		1	X										
	PD1-SS208-0003	/1755		1	X										
	PD2-SS301-0003	/1130		1	X	Hold									
	PD2-SS300-0003	/1015		1	X	Hold									
	PD2-SS302-0003	/1200		1	X	Hold									
	PD2-SS309-0003	/1405		1	X	Hold									
	PD2-SS303-0003	/1515		1	X	Hold									
	PD2-SS308-0003	/1640		1	X	Hold									
	PD2-SS307-0003	/1635		1	X	Hold									
	PD2-SS306-0003	/1705		1	X	Hold									
	PD1-SS211-0003	7/9/13/0720		1	X										
	PD1-SS244-0003	/0740		1	X										
	PD1-SS222-0003	/0825		1	X										

COMMENTS: TAT 5 DAYS HOLD GREEN RTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/9 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

0000010 DUPLICATE

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS | Contact: BETH BADIN | Phone #: (617) 449-1565 | Fax #: ( )

Address: 100 HIGH ST 4TH | City: BOSTON | State: MA | Zip Code: 02110

Purchase Order # | Proj. Name / No.: NASB ONION ST SKT RANGE | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): TODD BEAUGER | Copies To:

LAB USE ONLY | WORK ORDER #: 4789/4790/4791/4792 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	ALL IDS START WITH NASB-SKT- Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Lead	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS224-0003-00	7/9/13 /1340	Soil	1	X										
	PD2-SS305-0003	/0730		1	X	Hold									
	PD2-SS312-0003	/0810		1	X	Hold									
	PD2-SS311-0003	/0845		1	X	Hold									
	PD2-SS313-0003	/0915		1	X	Hold									
	PD2-SS325-0003	/1105		1	X	Hold									
	PD2-SS323-0003	/1155		1	X	Hold									
	PD2-SS324-0003	/1200		1	X	Hold									
	PD2-SS321-0003	/1330		1	X	Hold									
		/													
		/													
		/													
		/													
		/													
		/													
		/													

COMMENTS

TAT 5 DAYS GREEN DOTS = HOLD

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/9 1430				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

DUPLICATE

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Parsons | Contact: Beth Badik | Phone #: (617)449-1565 | Fax #: ( )

Address: 100 High St. 4th Floor | City: Boston | State: MA | Zip Code: 02110

Purchase Order # | Proj. Name / No.: NASB ORION ST. SKEET RANGE | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): TODD BELANGER | Copies To:

LAB USE ONLY | WORK ORDER #: SG4872

KATAHDIN PROJECT NUMBER: SG4576

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description (ALL IDS START WITH NASB-SKT-)	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS227-0003	7/9/13 / 1510	Soil	1	X										
	PD1-SS259-0003	/ 1545		1	X										
	PD1-SS258-0003	/ 1555		1	X										
	PD1-SS248-0003	/ 1610		1	X										
	PD1-SS250-0003	/ 1620		1	X										
	PD1-SS251-0003	/ 1630		1	X										
	PD1-SS249-0003	/ 1640		1	X										
	PD2-SS320-0003	/ 1520		1	X										
	PD2-SS322-0003	/ 1530		1	X										
	PD2-SS310-0003	/ 1600		1	X										
	PD2-SS326-0003	/ 1650		1	X										
	PD2-SS327-0003	/ 1700		1	X										
	PD2-SS328-0003	/ 1705		1	X										
	PD1-SS203-0003	7/10/13 / 0735	Soil	1	X										
	PD1-SS202-0003	/ 0750		1	X										
	PD1-SS201-0003	/ 0810		1	X										

COMMENTS

TAT 5 DAYS. HOLD SAMPLES W/ GREEN DOTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/11/13 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

DUPLICATE

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS | Contact: BETH BADIK | Phone #: (617) 449.1565 | Fax #: ( )

Address: 100 HIGH ST 4th FLOOR | City: BOSTON | State: MA | Zip Code: 02110

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): TODD BELANGER | Copies To:

LAB USE ONLY | WORK ORDER #: 5G 4875/14876

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description (ALL IDs START WITH NASB-SKT-)	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	PD1-SS245-0003	7/10/13/1620	SOIL	1	X										
	PD1-SS246-0003	/1640		1	X										
	PD1-SS247-0003	/1710		1	X										
	PD1-SS257-0003	/1730		1	X										
	PD1-SS257-0003 MS/MSD	/1730		1	X										
	PD1-SS257-0003-00	/1735		1	X										
	PD2-SS319-0003	/0830		1	X										
	PD2-SS318-0003	/0905		1	X										
	PD2-SS316-0003	/1150		1	X										
	PD2-SS314-0003	/1230		1	X										
	PD2-SS314-0003 MS/MSD	/1230		1	X										
	PD2-SS314-0003-00	/1235		1	X										
	PD2-SS317-0003	/1600		1	X										
	PD2-SS315-0003	/1720		1	X										
		/													
		/													

COMMENTS

TAT 5 DAYS. HOLD SAMPLES W/ GREEN DOTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/11/13 1420				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

0000013

DUPLICATE

Katahdin ANALYTICAL SERVICES
600 Technology Way
Scarborough, ME 04074
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: PARSONS
Contact: TODD BEAUGER
Phone #: (202) 591 6826
Fax #: ( )

Address: 100 HIGH ST 4th FLOOR
City: BOSTON
State: MA
Zip Code: 02110

Purchase Order #:
Proj. Name / No.:
Katahdin Quote #:

Bill (if different than above):
Address:

Sampler (Print / Sign): TODD BEAUGER
Copies To:

LAB USE ONLY
WORK ORDER #: SG5265
KATAHDIN PROJECT NUMBER:

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT
AIRBILL NO:
TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

*	Sample Description (ALL SAMPLE IDs START WITH NASB-SKT-P02)	Date / Time coll'd	Matrix	No. of Cntrs.	LEAD (Filt. ☐Y ☐N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	SS329-0003 MS/MSD	7/23/13/1145	SOIL	1	X									
	SS329-0003-00	/1150		1	X									
	SS330-0003	/1240		1	X									
	SS331-0003	/1250		1	X									
	SS332-0003	/1300		1	X									
	SS333-0003	/1325		1	X									
		/												
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		/												
		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	7/23 1430				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

0000614

ORIGINAL

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jul. 31, 2013
07:48 AM

Login Number: SG4790

Account: PARSONS002
PARSONS

Project: PARSONS-NASB
NAS Brunswick

Quote/Incoming: PARSONS-NASB

NoWeb

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	4.4
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV & WEST-XLS(verbals)
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie (stephanie.bliss@parsons.com).
SDG ID	:	SKEET-2
SDG STATUS	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4790-1	SKT-PD2-SS301-0003	08-JUL-13 11:30	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-PD2-SS301-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4790-2	SKT-PD2-SS300-0003	08-JUL-13 10:15	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-PD2-SS300-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4790-5	SKT-PD2-SS303-0003	08-JUL-13 15:15	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-PD2-SS303-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4790-6	SKT-PD2-SS308-0003	08-JUL-13 16:40	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			MS/MSD NASB-PD2-SS308-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4790-7	SKT-PD2-SS307-0003	08-JUL-13 16:35	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-PD2-SS307-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4790-8	SKT-PD2-SS306-0003	08-JUL-13 17:05	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	04-JAN-14			NASB-PD2-SS306-0003
Solid	S	SW6010-LEAD	04-JAN-14	4oz Glass		
Solid	S	TS	07-AUG-13			

SG4790-9	SKT-PD2-SS305-0003	09-JUL-13 07:30	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	05-JAN-14			NASB-PD2-SS305-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

07.31.13

0000015

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 31, 2013
07:48 AM

Login Number: SG4790

Quote/Incoming: PARSONS-NASB

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4790-13	SKT-PD2-SS325-0003	09-JUL-13 11:05	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	05-JAN-14			NASB-PD2-SS325-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4790-15	SKT-PD2-SS324-0003	09-JUL-13 12:00	09-JUL-13		29-JUL-13	05-AUG-13	

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	05-JAN-14			NASB-PD2-SS324-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

Total Samples: *9* ***Total Analyses:*** *27*

OP 07.31.13

0000016

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 31, 2013
07:48 AM

Login Number: SG4790

Account: PARSONS002
PARSONS

Project: PARSONS-NASB
NAS Brunswick

NoWeb

Quote/Incoming: PARSONS-NASB

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	4.4
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV & WEST-XLS(verbals)
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie (stephanie.bliss@parsons.com).
SKEET-2	:	Begin

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	SDG ID / SDG STATUS	PR	Verbal Date	Due Date	Mailed
SG4790-3	SKT-PD2-SS302-0003	08-JUL-13 12:00	09-JUL-13				05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*			*Comments* CANCELLED PER CLIENT REQUEST
SG4790-4	SKT-PD2-SS309-0003	08-JUL-13 14:05	09-JUL-13				05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*			*Comments* CANCELLED PER CLIENT REQUEST
SG4790-10	SKT-PD2-SS312-0003	09-JUL-13 08:10	09-JUL-13				05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*			*Comments* CANCELLED PER CLIENT REQUEST
SG4790-11	SKT-PD2-SS311-0003	09-JUL-13 08:45	09-JUL-13				05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*			*Comments* CANCELLED PER CLIENT REQUEST
SG4790-12	SKT-PD2-SS313-0003	09-JUL-13 09:15	09-JUL-13				05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*			*Comments* CANCELLED PER CLIENT REQUEST
SG4790-14	SKT-PD2-SS323-0003	09-JUL-13 11:55	09-JUL-13				05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*			*Comments* CANCELLED PER CLIENT REQUEST
SG4790-16	SKT-PD2-SS321-0003	09-JUL-13 13:30	09-JUL-13				05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*			*Comments* CANCELLED PER CLIENT REQUEST

07-31-13

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 31, 2013
07:48 AM

Login Number: SG4790

Quote/Incoming: PARSONS-NASB

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed

Total Samples: *9* ***Total Analyses:*** *27*

OP
07.31.13

0000018

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jul. 31, 2013
07:51 AM

Login Number: SG4876

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Quote/Incoming: PARSONS-NASB

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	1.2
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie (stephanie.bliss@parsons.com).
SDG ID	:	SKEET-2
SDG STATUS	:	Cont.

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4876-4	SKT-PD2-SS326-0003	09-JUL-13 16:50	11-JUL-13		29-JUL-13	05-AUG-13	

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	05-JAN-14			NASB-SKT-PD2-SS326-0003
Solid	S	SW6010-LEAD	05-JAN-14	4oz Glass		
Solid	S	TS	08-AUG-13			

SG4876-9	SKT-PD2-SS316-0003	10-JUL-13 11:50	11-JUL-13		29-JUL-13	05-AUG-13

Matrix		*Product*	*Hold Date (shortest)*	*Bottle Type*	*Bottle Count*	*Comments*
Solid	S	SW3050-PREP	06-JAN-14			NASB-SKT-PD2-SS316-0003
Solid	S	SW6010-LEAD	06-JAN-14	4oz Glass		
Solid	S	TS	09-AUG-13			

Total Samples: *2* ***Total Analyses:*** *6*

gp
07.31.13

0000019

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 31, 2013
07:51 AM

Login Number: SG4876

Account: PARSONS002
PARSONS

Project: PARSONS-NASB
NAS Brunswick

NoWeb

Quote/Incoming: PARSONS-NASB

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	1.2
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Beth. Also email PDF and EDD to Beth. Email invoice to Stephanie (stephanie.bliss@parsons.com).
SKEET-2	:	
Cont.	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4876-1	SKT-PD2-SS320-0003	09-JUL-13 15:20	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-2	SKT-PD2-SS322-0003	09-JUL-13 15:30	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-3	SKT-PD2-SS310-0003	09-JUL-13 16:00	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-5	SKT-PD2-SS327-0003	09-JUL-13 17:00	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-6	SKT-PD2-SS328-0003	09-JUL-13 17:05	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-7	SKT-PD2-SS319-0003	10-JUL-13 08:30	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-8	SKT-PD2-SS318-0003	10-JUL-13 09:05	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST

JP 7.31.13

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Jul. 31, 2013
07:51 AM

Login Number: SG4876

Quote/Incoming: PARSONS-NASB

Account: PARSONS002
PARSONS

NoWeb

Project: PARSONS-NASB
NAS Brunswick

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG4876-10	SKT-PD2-SS314-0003	10-JUL-13 12:30	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-11	PD2-SS314-0003-00	10-JUL-13 12:35	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-12	SKT-PD2-SS317-0003	10-JUL-13 16:00	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST
SG4876-13	SKT-PD2-SS315-0003	10-JUL-13 17:20	11-JUL-13			05-AUG-13	
Matrix	*Product*	*Hold Date (shortest)*	*Bottle Type*		*Bottle Count*		*Comments* CANCELLED PER CLIENT REQUEST

Total Samples: *2* ***Total Analyses:*** *6*

07.31.13

0000021

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Jul. 24, 2013
08:25 AM

Login Number: SG5265

Account: PARSONS002 NoWeb
PARSONS

Project: PARSONS-NASB
NAS Brunswick

Quote/Incoming: PARSONS-NASB

Primary Report Address:
Beth Wasserman Badik
Parsons
100 High Street, 4th Floor

Boston,MA 02110
beth.badik@parsons.com

Primary Invoice Address:
Attn: Ronald Bates
PARSONS
401 Diamond Drive, NW

Huntsville,AL 35806

Report CC Addresses:
Invoice CC Addresses:

Login Information:

ANALYSIS INSTRUCTIONS	:	DoD QSM 4.2 w/ DoD limits. ND to LOD. Green dots are samples on hold. For EPH, report ranges only. AA soils=6020 TAL list, AA sed=6010 list.
CHECK NO.	:	
CLIENT PO#	:	748766-30000 N62470-11-D-8007
CLIENT PROJECT MANAGE	:	
CONTRACT	:	
COOLER TEMPERATURE	:	4.0
DELIVERY SERVICES	:	KAS
EDD FORMAT	:	KAS119QC-CSV &WESTMDLPQLLOD-XLS(VERBALS)
LOGIN INITIALS	:	GN
PM	:	JO
PROJECT NAME	:	NAS Brunswick Project #0714
QC LEVEL	:	IV
REGULATORY LIST	:	
REPORT INSTRUCTIONS	:	Data Summary needs all forms. Send HC & CD to Tammy. Also email PDF and EDD to Beth and Tammy. Email verbals with EDD to Beth. Email invoice to Stephanie (stephanie.bliss@parsons.com).

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Mailed
SG5265-1	SKT-PD2-SS329-0003	23-JUL-13 11:45	23-JUL-13		28-JUL-13	12-AUG-13	
SG5265-2	T-PD2-SS329-0003-00	23-JUL-13 11:50	23-JUL-13		28-JUL-13	12-AUG-13	
SG5265-3	SKT-PD2-SS330-0003	23-JUL-13 12:40	23-JUL-13		28-JUL-13	12-AUG-13	
SG5265-4	SKT-PD2-SS331-0003	23-JUL-13 12:50	23-JUL-13		28-JUL-13	12-AUG-13	
SG5265-5	SKT-PD2-SS332-0003	23-JUL-13 13:00	23-JUL-13		28-JUL-13	12-AUG-13	
SG5265-6	SKT-PD2-SS333-0003	23-JUL-13 13:25	23-JUL-13		28-JUL-13	12-AUG-13	

SDG ID SKEET-2
SDG STATUS End

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count	Comments
Solid	S	SW3050-PREP	19-JAN-14			NASB-SKT-PD2-SS329-0003
Solid	S	SW6010-LEAD	19-JAN-14	4oz Glass		MS/MSD
Solid	S	TS	22-AUG-13			
Solid	S	SW3050-PREP	19-JAN-14			NASB-SKT-PD2-SS329-0003-00
Solid	S	SW6010-LEAD	19-JAN-14	4oz Glass		
Solid	S	TS	22-AUG-13			
Solid	S	SW3050-PREP	19-JAN-14			NASB-SKT-PD2-SS330-0003
Solid	S	SW6010-LEAD	19-JAN-14	4oz Glass		
Solid	S	TS	22-AUG-13			
Solid	S	SW3050-PREP	19-JAN-14			NASB-SKT-PD2-SS331-0003
Solid	S	SW6010-LEAD	19-JAN-14	4oz Glass		
Solid	S	TS	22-AUG-13			
Solid	S	SW3050-PREP	19-JAN-14			NASB-SKT-PD2-SS332-0003
Solid	S	SW6010-LEAD	19-JAN-14	4oz Glass		
Solid	S	TS	22-AUG-13			
Solid	S	SW3050-PREP	19-JAN-14			NASB-SKT-PD2-SS333-0003
Solid	S	SW6010-LEAD	19-JAN-14	4oz Glass		
Solid	S	TS	22-AUG-13			

Total Samples: *6* ***Total Analyses:*** *18*

07.24.13

0000022

SAMPLE DATA SUMMARY PACKAGE

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as “U” MDL have a 50% rate for false negatives compared to those results reported as “U” PQL/LOQ or “U” LOD, where the rate of false negatives is <1%.
J	The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS
(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

MCL Maximum Contaminant Level

NL No limit

NFL No Free Liquid Present

FLP Free Liquid Present

NOD No Odor Detected

TON Threshold Odor Number

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

- H1 pH
- H2 DO
- H3 sulfite
- H4 residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS301-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 77.7 **Lab Sample ID:** SG4790-001

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	547			P	1	0.49	0.09	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS300-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 73.6 **Lab Sample ID:** SG4790-002

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	99.3			P	1	0.53	0.09	0.42

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS303-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 60.6 **Lab Sample ID:** SG4790-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	61.2			P	1	0.48	0.08	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	295			P	1	0.44	0.08	0.35

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS307-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 81.3 **Lab Sample ID:** SG4790-007

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	211			P	1	0.49	0.09	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS306-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 75.8 **Lab Sample ID:** SG4790-008

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	274			P	1	0.40	0.07	0.32

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS305-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 60.1 **Lab Sample ID:** SG4790-009

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	678			P	1	0.49	0.08	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS325-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 63.4 **Lab Sample ID:** SG4790-013

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	351			P	1	0.52	0.09	0.41

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS324-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 65.8 **Lab Sample ID:** SG4790-015

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	371			P	1	0.50	0.09	0.40

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS326-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 75.4 **Lab Sample ID:** SG4876-004

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	54.1			P	1	0.45	0.08	0.36

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS316-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 67.2 **Lab Sample ID:** SG4876-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	194			P	1	0.51	0.09	0.40

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	100		*	P	1	0.40	0.07	0.32

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** T-PD2-SS329-0003-00

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.3 **Lab Sample ID:** SG5265-002

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	102		*	P	1	0.37	0.06	0.30

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS330-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.2 **Lab Sample ID:** SG5265-003

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	938		*	P	1	0.40	0.07	0.32

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS331-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 40.3 **Lab Sample ID:** SG5265-004

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	2140		*	P	1	0.83	0.14	0.67

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS332-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 73.3 **Lab Sample ID:** SG5265-005

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	481		*	P	1	0.49	0.09	0.40

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS333-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 65.7 **Lab Sample ID:** SG5265-006

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	389		*	P	1	0.48	0.08	0.39

Comments:

FORM I - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICV

File: IGG25A Jul 25, 2013 14:33

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9867.00	98.7
CALCIUM	10000.0	10160.00	101.6
IRON	10000.0	9974.00	99.7
LEAD	400.0	402.90	100.7
MAGNESIUM	10000.0	10080.00	100.8

SAMPLE: CCV

File: IGG25A Jul 25, 2013 14:55

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
CALCIUM	12500.0	12540.00	100.3
IRON	12500.0	12610.00	100.9
LEAD	500.0	514.00	102.8
MAGNESIUM	12500.0	13010.00	104.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 15:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12950.00	103.6
CALCIUM	12500.0	12800.00	102.4
IRON	12500.0	12920.00	103.4
LEAD	500.0	509.20	101.8
MAGNESIUM	12500.0	12860.00	102.9

SAMPLE: CCV

File: IGG25A Jul 25, 2013 16:42

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12640.00	101.1
CALCIUM	12500.0	12500.00	100.0
IRON	12500.0	12530.00	100.2
LEAD	500.0	504.40	100.9
MAGNESIUM	12500.0	12770.00	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 17:35

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	13110.00	104.9
CALCIUM	12500.0	13070.00	104.6
IRON	12500.0	13150.00	105.2
LEAD	500.0	508.50	101.7
MAGNESIUM	12500.0	12870.00	103.0

SAMPLE: CCV

File: IGG25A Jul 25, 2013 18:29

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12770.00	102.2
IRON	12500.0	12640.00	101.1
LEAD	500.0	519.70	103.9
MAGNESIUM	12500.0	13140.00	105.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 19:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12820.00	102.6
CALCIUM	12500.0	13170.00	105.4
IRON	12500.0	12720.00	101.8
LEAD	500.0	532.50	106.5
MAGNESIUM	12500.0	13500.00	108.0

SAMPLE: CCV

File: IGG25A Jul 25, 2013 20:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12630.00	101.0
CALCIUM	12500.0	13070.00	104.6
IRON	12500.0	12600.00	100.8
LEAD	500.0	527.20	105.4
MAGNESIUM	12500.0	13370.00	107.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 21:11

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12780.00	102.2
CALCIUM	12500.0	13260.00	106.1
IRON	12500.0	12870.00	103.0
LEAD	500.0	534.80	107.0
MAGNESIUM	12500.0	13520.00	108.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICV

File: IGG29A Jul 29, 2013 14:26

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10030.00	100.3
CALCIUM	10000.0	10250.00	102.5
IRON	10000.0	10090.00	100.9
LEAD	400.0	407.50	101.9
MAGNESIUM	10000.0	10200.00	102.0

SAMPLE: CCV

File: IGG29A Jul 29, 2013 15:02

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12520.00	100.2
CALCIUM	12500.0	12320.00	98.6
IRON	12500.0	12450.00	99.6
LEAD	500.0	513.10	102.6
MAGNESIUM	12500.0	12960.00	103.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG29A Jul 29, 2013 15:56

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12150.00	97.2
IRON	12500.0	12230.00	97.8
LEAD	500.0	502.90	100.6
MAGNESIUM	12500.0	12760.00	102.1

SAMPLE: CCV

File: IGG29A Jul 29, 2013 16:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12360.00	98.9
CALCIUM	12500.0	11980.00	95.8
IRON	12500.0	12170.00	97.4
LEAD	500.0	506.10	101.2
MAGNESIUM	12500.0	12780.00	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG29A Jul 29, 2013 17:43

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	13020.00	104.2
CALCIUM	12500.0	12620.00	101.0
IRON	12500.0	12780.00	102.2
LEAD	500.0	514.10	102.8
MAGNESIUM	12500.0	12960.00	103.7

SAMPLE: CCV

File: IGG29A Jul 29, 2013 18:37

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12640.00	101.1
CALCIUM	12500.0	12580.00	100.6
IRON	12500.0	12440.00	99.5
LEAD	500.0	519.80	104.0
MAGNESIUM	12500.0	13140.00	105.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG29A Jul 29, 2013 19:31

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12740.00	101.9
CALCIUM	12500.0	12670.00	101.4
IRON	12500.0	12600.00	100.8
LEAD	500.0	529.90	106.0
MAGNESIUM	12500.0	13410.00	107.3

SAMPLE: CCV

File: IGG29A Jul 29, 2013 20:25

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12770.00	102.2
CALCIUM	12500.0	12740.00	101.9
IRON	12500.0	12550.00	100.4
LEAD	500.0	528.20	105.6
MAGNESIUM	12500.0	13370.00	107.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: PQL

File: IGG25A Jul 25, 2013 14:41

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	302.70	100.9
CALCIUM	100.0	98.26	98.3
IRON	100.0	103.30	103.3
LEAD	5.0	5.00	100.0
MAGNESIUM	100.0	114.10	114.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: PQL

File: IGG29A Jul 29, 2013 14:35

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	327.60	109.2
CALCIUM	100.0	111.50	111.5
IRON	100.0	102.90	102.9
LEAD	5.0	5.48	109.6
MAGNESIUM	100.0	113.60	113.6

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICB

File: IGG25A Jul 25, 2013 14:37

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-15.820	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 14:59

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-12.030	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 15:53

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG25A Jul 25, 2013 16:46

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-9.840	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 17:40

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-11.880	J
IRON	4.461	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 18:34

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-10.300	J
IRON	6.260	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG25A Jul 25, 2013 19:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 20:22

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 21:15

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-17.060	J
IRON	4.599	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICB

File: IGG29A Jul 29, 2013 14:30

Analyte	Result	C
ALUMINUM	43.140	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 15:06

Analyte	Result	C
ALUMINUM	46.400	J
CALCIUM	14.660	J
IRON	4.893	J
LEAD	1.040	U
MAGNESIUM	8.257	J

SAMPLE: CCB

File: IGG29A Jul 29, 2013 16:00

Analyte	Result	C
ALUMINUM	32.580	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.763	J

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG29A Jul 29, 2013 16:53

Analyte	Result	C
ALUMINUM	52.000	J
CALCIUM	8.730	U
IRON	4.130	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 17:48

Analyte	Result	C
ALUMINUM	41.770	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 18:42

Analyte	Result	C
ALUMINUM	64.150	J
CALCIUM	12.820	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG29A Jul 29, 2013 19:36

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 20:30

Analyte	Result	C
ALUMINUM	28.750	J
CALCIUM	14.090	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG23ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG23ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG24ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG24ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	-0.090	J

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG25ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG25ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG25A Jul 25, 2013 14:46

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	495800	99.2
CALCIUM	500000	471800	94.4
IRON	200000	190100	95.0
LEAD	0	4	
MAGNESIUM	500000	435200	87.0

SAMPLE: ICSAB

File: IGG25A Jul 25, 2013 14:50

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	474000	94.8
CALCIUM	500000	465600	93.1
IRON	200000	180700	90.3
LEAD	50	45	90.0
MAGNESIUM	500000	443100	88.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG29A Jul 29, 2013 14:53

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	495000	99.0
CALCIUM	500000	482100	96.4
IRON	200000	187500	93.8
LEAD	0	0	
MAGNESIUM	500000	438300	87.7

SAMPLE: ICSAB

File: IGG29A Jul 29, 2013 14:58

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496200	99.2
CALCIUM	500000	483500	96.7
IRON	200000	187600	93.8
LEAD	50	46	92.0
MAGNESIUM	500000	437400	87.5

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	311.5091		295.4840		8.46	189.4		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	309.0106		295.4840		8.69	155.7		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	99.4407		100.3703		9.3	-10.0		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	57.4733		100.3703		8.02	-534.9		80	120	P

Comments:

FORM V (Part 1) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	3832.0000		3378.0000		500	90.8		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	1736.0000		1243.0000		500	98.6		75	125	P

Comments:

FORM V (Part 2) - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		309.0106		311.5091		0.8		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		57.4733		99.4407		53.5	*	P

Comments:

FORM VD - IN

DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003D

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001D

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Sample Result	C	Duplicate Result	C	RPD	Q	M
LEAD, TOTAL		100.3703		101.0282		0.7		P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG23ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG23ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.13	101.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG24ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG24ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.67	106.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG25ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG25ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	9.06	90.6	80	120

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD2-SS308-0003L

SDG Name: SKEET-2

Lab Sample ID: SG4790-006L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	3378.00		3504.00		3.7		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD2-SS329-0003L

SDG Name: SKEET-2

Lab Sample ID: SG5265-001L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	1243.00		1266.00		1.9		P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 5/21/2012

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	16.80	P
CALCIUM	100	8.73	P
IRON	100	3.95	P
LEAD	5.0	1.04	P
MAGNESIUM	100	7.72	P

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
LEAD	0.40	mg/Kg	P	SW846 3050B / SW846 6010C

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
LEAD	0.09	mg/Kg	P	SW846 3050B / SW846 6010C

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument Name: THERMO ICAP 6500 **Instrument ID:** I **Date:** 12/5/2011

		Interelement Correction Factors for:												
Analyte	**Wavelength (nm)**	**Al**	**Ca**	**Fe**	**Mg**	**As**	**Cr**	**Co**	**Cu**	**Mn**	**Mo**	**Ni**	**Ti**	**V**
ALUMINUM	396.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0443000	0.0	0.0	0.0
ANTIMONY	206.83	0.0000030	0.0	0.0000460	0.0	-0.0001490	0.0106000	0.0	0.0	0.0	-0.0039900	-0.0009470	0.0	-0.0007350
ARSENIC	189.04	0.0000030	0.0	-0.0002090	0.0	0.0	0.0001970	0.0	0.0	0.0	0.0004240	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006860	0.0003880
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0534000	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000800	0.0000910	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0001110	0.0	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002140	0.0017700	0.0
COPPER	327.40	0.0000030	0.0	0.0000010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0000910
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD	220.35	-0.0001520	0.0	0.0000300	0.0	0.0	0.0	0.0000540	0.0009460	0.0	-0.0006970	0.0002080	0.0000970	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.58	0.0	0.0	0.0000190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0007070	0.0
MANGANESE	257.61	0.0000009	0.0	0.0000100	-0.0000037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001920
NICKEL	231.60	0.0	0.0	-0.0000390	0.0	0.0	0.0	-0.0001380	0.0	0.0	0.0005880	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	0.0000180	0.0	0.0000160	0.0	-0.0001750	0.0	0.0001290	0.0	0.0008190	0.0	0.0	0.0	-0.0002070
SILICON	251.61	0.0	0.0	-0.0001400	0.0	0.0	0.0	0.0	0.0	0.0	0.0116000	0.0	0.0009940	0.0
SILVER	328.07	0.0	0.0	-0.0004020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0009490	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000050	0.0	0.0000050	0.0	0.0	0.0	0.0046300	-0.0001610	-0.0014000	-0.0000380	0.0	-0.0011200	-0.0009970
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001290	0.0	0.0	0.0	0.0004770	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000110	0.0	0.0	-0.0043000	0.0	0.0	-0.0006810	-0.0049500	0.0	0.0007110	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0011400	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 6/22/2012

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
CALCIUM	5.00	1000000	P
IRON	5.00	300000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	500000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG23ICS1

Matrix: SOIL **SDG Name:** SKEET-2

Method: P **Prep Date:** 07/23/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG23ICS1	LCSOGG23ICS1	1	0.1	
PBSGG23ICS1	PBSGG23ICS1	1	0.1	
SKT-PD2-SS301-0003	SG4790-001	1.31	0.1	A
SKT-PD2-SS300-0003	SG4790-002	1.28	0.1	A
SKT-PD2-SS303-0003	SG4790-005	1.7	0.1	A
SKT-PD2-SS308-0003	SG4790-006	1.45	0.1	A
SKT-PD2-SS308-0003P	SG4790-006P	1.5	0.1	A
SKT-PD2-SS308-0003S	SG4790-006S	1.46	0.1	A
SKT-PD2-SS307-0003	SG4790-007	1.25	0.1	A
SKT-PD2-SS306-0003	SG4790-008	1.65	0.1	A
SKT-PD2-SS305-0003	SG4790-009	1.71	0.1	A
SKT-PD2-SS325-0003	SG4790-013	1.53	0.1	A
SKT-PD2-SS324-0003	SG4790-015	1.52	0.1	A
SKT-PD2-SS326-0003	SG4876-004	1.46	0.1	A
SKT-PD2-SS316-0003	SG4876-009	1.47	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG24ICS1

Matrix: SOIL **SDG Name:** SKEET-2

Method: P **Prep Date:** 07/24/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG24ICS1	LCSOGG24ICS1	1	0.1	
PBSGG24ICS1	PBSGG24ICS1	1	0.1	
SKT-PD2-SS329-0003	SG5265-001	1.44	0.1	A
SKT-PD2-SS329-0003S	SG5265-001S	1.45	0.1	A
T-PD2-SS329-0003-00	SG5265-002	1.57	0.1	A
SKT-PD2-SS330-0003	SG5265-003	1.43	0.1	A
SKT-PD2-SS331-0003	SG5265-004	1.49	0.1	A
SKT-PD2-SS332-0003	SG5265-005	1.38	0.1	A
SKT-PD2-SS333-0003	SG5265-006	1.57	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG25ICS1

Matrix: SOIL **SDG Name:** SKEET-2

Method: P **Prep Date:** 07/25/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG25ICS1	LCSOGG25ICS1	1	0.1	
PBSGG25ICS1	PBSGG25ICS1	1	0.1	
SKT-PD2-SS329-0003D	SG5265-001D	1.22	0.1	A
SKT-PD2-SS329-0003P	SG5265-001P	1.25	0.1	A

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG25A

Date: 7/25/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:24	AL	CA	FE	PB	MG	
Std 1		1	14:28	AL	CA	FE	PB	MG	
ICV		1	14:33	AL	CA	FE	PB	MG	
ICB		1	14:37	AL	CA	FE	PB	MG	
PQL		1	14:41	AL	CA	FE	PB	MG	
ICSA		1	14:46	AL	CA	FE	PB	MG	
ICSAB		1	14:50	AL	CA	FE	PB	MG	
CCV		1	14:55	AL	CA	FE	PB	MG	
CCB		1	14:59	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:04						
ZZZZZZ		1	15:08						
ZZZZZZ		1	15:13						
ZZZZZZ		1	15:17						
ZZZZZZ		5	15:22						
ZZZZZZ		1	15:26						
ZZZZZZ		1	15:31						
ZZZZZZ		1	15:35						
ZZZZZZ		1	15:40						
ZZZZZZ		1	15:44						
CCV		1	15:49	AL	CA	FE	PB	MG	
CCB		1	15:53	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:57						
ZZZZZZ		1	16:02						
ZZZZZZ		5	16:06						
PBSGG23ICS1		1	16:11				PB		
LCSOGG23ICS1		1	16:15				PB		
SG4790-001	SKT-PD2-SS301-0003	1	16:20				PB		
SG4790-002	SKT-PD2-SS300-0003	1	16:24				PB		
SG4790-005	SKT-PD2-SS303-0003	1	16:29				PB		
SG4790-006	SKT-PD2-SS308-0003	1	16:33				PB		
SG4790-006L	SKT-PD2-SS308-0003L	5	16:38				PB		
CCV		1	16:42	AL	CA	FE	PB	MG	
CCB		1	16:46	AL	CA	FE	PB	MG	
SG4790-006A	SKT-PD2-SS308-0003A	1	16:51				PB		
SG4790-006S	SKT-PD2-SS308-0003S	1	16:55				PB		
SG4790-006P	SKT-PD2-SS308-0003P	1	17:00				PB		
SG4790-007	SKT-PD2-SS307-0003	1	17:04				PB		
SG4790-008	SKT-PD2-SS306-0003	1	17:09				PB		
SG4790-009	SKT-PD2-SS305-0003	1	17:13				PB		
SG4790-013	SKT-PD2-SS325-0003	1	17:17				PB		
SG4790-015	SKT-PD2-SS324-0003	1	17:22				PB		
SG4876-004	SKT-PD2-SS326-0003	1	17:26				PB		
SG4876-009	SKT-PD2-SS316-0003	1	17:31				PB		
CCV		1	17:35	AL	CA	FE	PB	MG	
CCB		1	17:40	AL	CA	FE	PB	MG	
ZZZZZZ		1	17:44						
ZZZZZZ		1	17:49						
ZZZZZZ		1	17:53						
ZZZZZZ		1	17:58						
ZZZZZZ		1	18:02						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG25A

Date: 7/25/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		10	18:07	
ZZZZZZ		1	18:11	
ZZZZZZ		1	18:16	
ZZZZZZ		5	18:20	
ZZZZZZ		1	18:25	
CCV		1	18:29	AL CA FE PB MG
CCB		1	18:34	AL CA FE PB MG
ZZZZZZ		5	18:38	
ZZZZZZ		1	18:43	
ZZZZZZ		1	18:47	
ZZZZZZ		1	18:52	
ZZZZZZ		1	18:56	
ZZZZZZ		1	19:01	
ZZZZZZ		1	19:05	
ZZZZZZ		1	19:10	
ZZZZZZ		1	19:15	
ZZZZZZ		1	19:19	
CCV		1	19:24	AL CA FE PB MG
CCB		1	19:28	AL CA FE PB MG
ZZZZZZ		1	19:33	
PBSGG24ICS1		1	19:37	PB
LCSOGG24ICS1		1	19:42	PB
ZZZZZZ		1	19:46	
SG5265-001	SKT-PD2-SS329-0003	1	19:51	PB
SG5265-001L	SKT-PD2-SS329-0003L	5	19:55	PB
SG5265-001A	SKT-PD2-SS329-0003A	1	20:00	PB
SG5265-001S	SKT-PD2-SS329-0003S	1	20:04	PB
SG5265-002	T-PD2-SS329-0003-00	1	20:08	PB
SG5265-003	SKT-PD2-SS330-0003	1	20:13	PB
CCV		1	20:17	AL CA FE PB MG
CCB		1	20:22	AL CA FE PB MG
SG5265-004	SKT-PD2-SS331-0003	1	20:26	PB
SG5265-005	SKT-PD2-SS332-0003	1	20:31	PB
SG5265-006	SKT-PD2-SS333-0003	1	20:35	PB
ZZZZZZ		1	20:40	
ZZZZZZ		1	20:44	
ZZZZZZ		1	20:48	
ZZZZZZ		5	20:53	
ZZZZZZ		1	20:58	
ZZZZZZ		1	21:02	
ZZZZZZ		1	21:06	
CCV		1	21:11	AL CA FE PB MG
CCB		1	21:15	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG29A

Date: 7/29/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:17	AL	CA	FE	PB	MG	
Std 1		1	14:22	AL	CA	FE	PB	MG	
ICV		1	14:26	AL	CA	FE	PB	MG	
ICB		1	14:30	AL	CA	FE	PB	MG	
PQL		1	14:35	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:39						
ZZZZZZ		1	14:44						
ICSA		1	14:53	AL	CA	FE	PB	MG	
ICSAB		1	14:58	AL	CA	FE	PB	MG	
CCV		1	15:02	AL	CA	FE	PB	MG	
CCB		1	15:06	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:11						
ZZZZZZ		1	15:16						
ZZZZZZ		1	15:20						
ZZZZZZ		1	15:24						
ZZZZZZ		1	15:29						
ZZZZZZ		1	15:33						
ZZZZZZ		1	15:38						
ZZZZZZ		1	15:42						
ZZZZZZ		2	15:47						
ZZZZZZ		10	15:51						
CCV		1	15:56	AL	CA	FE	PB	MG	
CCB		1	16:00	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:05						
ZZZZZZ		5	16:09						
ZZZZZZ		1	16:14						
ZZZZZZ		1	16:18						
ZZZZZZ		1	16:22						
ZZZZZZ		1	16:27						
ZZZZZZ		1	16:31						
ZZZZZZ		1	16:36						
ZZZZZZ		1	16:40						
ZZZZZZ		1	16:45						
CCV		1	16:49	AL	CA	FE	PB	MG	
CCB		1	16:53	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:58						
ZZZZZZ		1	17:02						
ZZZZZZ		10	17:07						
ZZZZZZ		1	17:11						
ZZZZZZ		25	17:16						
ZZZZZZ		100	17:20						
ZZZZZZ		100	17:25						
ZZZZZZ		100	17:29						
ZZZZZZ		100	17:34						
ZZZZZZ		100	17:39						
CCV		1	17:43	AL	CA	FE	PB	MG	
CCB		1	17:48	AL	CA	FE	PB	MG	
ZZZZZZ		100	17:52						
ZZZZZZ		1	17:57						
ZZZZZZ		1	18:01						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG29A

Date: 7/29/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	18:06						
ZZZZZZ		5	18:10						
ZZZZZZ		25	18:15						
ZZZZZZ		5	18:19						
ZZZZZZ		5	18:24						
ZZZZZZ		1	18:28						
ZZZZZZ		5	18:33						
CCV		1	18:37	AL	CA	FE	PB	MG	
CCB		1	18:42	AL	CA	FE	PB	MG	
ZZZZZZ		5	18:46						
ZZZZZZ		1	18:51						
ZZZZZZ		5	18:55						
ZZZZZZ		1	19:00						
ZZZZZZ		1	19:04						
ZZZZZZ		1	19:09						
PBSGG25ICS1		1	19:13				PB		
LCSOGG25ICS1		1	19:18				PB		
ZZZZZZ		1	19:22						
SG5265-001D	SKT-PD2-SS329-0003D	1	19:27				PB		
CCV		1	19:31	AL	CA	FE	PB	MG	
CCB		1	19:36	AL	CA	FE	PB	MG	
SG5265-001P	SKT-PD2-SS329-0003P	1	19:40				PB		
ZZZZZZ		1	19:45						
ZZZZZZ		1	19:49						
ZZZZZZ		1	19:54						
ZZZZZZ		1	19:58						
ZZZZZZ		1	20:03						
ZZZZZZ		1	20:07						
ZZZZZZ		1	20:12						
ZZZZZZ		1	20:16						
ZZZZZZ		1	20:21						
CCV		1	20:25	AL	CA	FE	PB	MG	
CCB		1	20:30	AL	CA	FE	PB	MG	

FORM XIV - IN

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-1
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS301-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:06:51	SM2540G	24-JUL-13	

Katahdin Analytical Services A000009

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-2
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS300-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:00	SM2540G	24-JUL-13	

Katahdin Analytical Services A000000

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-5
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS303-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	60. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:07	SM2540G	24-JUL-13	

Katahdin Analytical Services A000007

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-6
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS308-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	79. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:38	SM2540G	24-JUL-13	

Katahdin Analytical Services A000002

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-7
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS307-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	81. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:46	SM2540G	24-JUL-13	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-8
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS306-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:54	SM2540G	24-JUL-13	

Katahdin Analytical Services A000004

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-9
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS305-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	60. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:01	SM2540G	24-JUL-13	

Katahdin Analytical Services A000035

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-13
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS325-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	63. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:09	SM2540G	24-JUL-13	

Katahdin Analytical Services A000076

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-15
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS324-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:20	SM2540G	24-JUL-13	

Katahdin Analytical Services A000007

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4876-4
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS326-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	75. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:28	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4876-9
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS316-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	67. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:35	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-1
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS329-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:06	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG5265-2
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
T-PD2-SS329-0003-00	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:15	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-3
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS330-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:23	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-4
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS331-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	40. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:31	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
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Lab Sample ID: SG5265-5
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS332-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:39	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
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Lab Sample ID: SG5265-6
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS333-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:47	SM2540G	24-JUL-13	

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Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG127498	SM2540	25-JUL-13	24-JUL-13	U 1 %	1 %	N/A

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sales@katahdinlab.com

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG127498-2	LCS	WG127498	25-JUL-13	24-JUL-13	%	90	92.	102	80-120	

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG127498-3	SG4790-1	WG127498	25-JUL-13	%	78.	76.	2	20

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ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG127498-4	SG5265-6	WG127498	25-JUL-13	%	66.	65.	1	20

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METALS DATA

Sample Data Section

METALS SAMPLE FLAGGING

FLAG	SPECIFIED MEANING
E	The reported value is estimated because of the presence of interference (as indicated by serial dilution).
N	Spiked sample recovery not within control limits.
*	Duplicate sample analysis not within control limits.
•	Analytical run QC sample (e.g. ICV, CCV, ICB, CCB, ICSA, ICSAB) not within control limits.
U	The analyte was not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client. Note: All results reported as "U" MDL have a greater rate for false negatives, i.e. greater than 1%, than those results reported as "U" PQL/LOQ or "U" LOD.
J	The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ) (previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: SKEET-2 **SOW No.** SW846

Client Field ID	Lab Sample ID
SKT-PD2-SS300-0003	SG4790-002
SKT-PD2-SS301-0003	SG4790-001
SKT-PD2-SS303-0003	SG4790-005
SKT-PD2-SS305-0003	SG4790-009
SKT-PD2-SS306-0003	SG4790-008
SKT-PD2-SS307-0003	SG4790-007
SKT-PD2-SS308-0003	SG4790-006
SKT-PD2-SS308-0003	SG4790-006P
SKT-PD2-SS308-0003	SG4790-006S
SKT-PD2-SS316-0003	SG4876-009
SKT-PD2-SS324-0003	SG4790-015
SKT-PD2-SS325-0003	SG4790-013
SKT-PD2-SS326-0003	SG4876-004
SKT-PD2-SS329-0003	SG5265-001
SKT-PD2-SS329-0003	SG5265-001D
SKT-PD2-SS329-0003	SG5265-001P
SKT-PD2-SS329-0003	SG5265-001S
SKT-PD2-SS330-0003	SG5265-003
SKT-PD2-SS331-0003	SG5265-004
SKT-PD2-SS332-0003	SG5265-005
SKT-PD2-SS333-0003	SG5265-006
T-PD2-SS329-0003-00	SG5265-002

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Edward A. Morgan Name: Edward A. Morgan

Date: August 1, 2013 Title: Senior Analyst

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS301-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 77.7 **Lab Sample ID:** SG4790-001

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	547			P	1	0.49	0.09	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS300-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 73.6 **Lab Sample ID:** SG4790-002

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	99.3			P	1	0.53	0.09	0.42

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS303-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 60.6 **Lab Sample ID:** SG4790-005

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	61.2			P	1	0.48	0.08	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	295			P	1	0.44	0.08	0.35

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS307-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 81.3 **Lab Sample ID:** SG4790-007

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	211			P	1	0.49	0.09	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS306-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 75.8 **Lab Sample ID:** SG4790-008

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	274			P	1	0.40	0.07	0.32

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS305-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 60.1 **Lab Sample ID:** SG4790-009

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	678			P	1	0.49	0.08	0.39

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS325-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 63.4 **Lab Sample ID:** SG4790-013

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	351			P	1	0.52	0.09	0.41

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS324-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 65.8 **Lab Sample ID:** SG4790-015

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	371			P	1	0.50	0.09	0.40

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS326-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 75.4 **Lab Sample ID:** SG4876-004

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	54.1			P	1	0.45	0.08	0.36

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS316-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 67.2 **Lab Sample ID:** SG4876-009

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	194			P	1	0.51	0.09	0.40

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	100		*	P	1	0.40	0.07	0.32

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** T-PD2-SS329-0003-00

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.3 **Lab Sample ID:** SG5265-002

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	102		*	P	1	0.37	0.06	0.30

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS330-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.2 **Lab Sample ID:** SG5265-003

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	938		*	P	1	0.40	0.07	0.32

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS331-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 40.3 **Lab Sample ID:** SG5265-004

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	2140		*	P	1	0.83	0.14	0.67

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS332-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 73.3 **Lab Sample ID:** SG5265-005

Concentration Units : mg/Kgdrywt

CAS No.	Analyte	Concentration	C	Q	M	DF	LOQ	ADJUSTED MDL	LOD
7439-92-1	LEAD, TOTAL	481		*	P	1	0.49	0.09	0.40

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS333-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 65.7 **Lab Sample ID:** SG5265-006

Concentration Units : mg/Kgdrywt

							ADJUSTED		
CAS No.	**Analyte**	**Concentration**	**C**	**Q**	**M**	**DF**	**LOQ**	**MDL**	**LOD**
7439-92-1	LEAD, TOTAL	389		*	P	1	0.48	0.08	0.39

Comments:

QC Summary Section

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICV

File: IGG25A Jul 25, 2013 14:33

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9867.00	98.7
CALCIUM	10000.0	10160.00	101.6
IRON	10000.0	9974.00	99.7
LEAD	400.0	402.90	100.7
MAGNESIUM	10000.0	10080.00	100.8

SAMPLE: CCV

File: IGG25A Jul 25, 2013 14:55

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12620.00	101.0
CALCIUM	12500.0	12540.00	100.3
IRON	12500.0	12610.00	100.9
LEAD	500.0	514.00	102.8
MAGNESIUM	12500.0	13010.00	104.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 15:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12950.00	103.6
CALCIUM	12500.0	12800.00	102.4
IRON	12500.0	12920.00	103.4
LEAD	500.0	509.20	101.8
MAGNESIUM	12500.0	12860.00	102.9

SAMPLE: CCV

File: IGG25A Jul 25, 2013 16:42

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12640.00	101.1
CALCIUM	12500.0	12500.00	100.0
IRON	12500.0	12530.00	100.2
LEAD	500.0	504.40	100.9
MAGNESIUM	12500.0	12770.00	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 17:35

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	13110.00	104.9
CALCIUM	12500.0	13070.00	104.6
IRON	12500.0	13150.00	105.2
LEAD	500.0	508.50	101.7
MAGNESIUM	12500.0	12870.00	103.0

SAMPLE: CCV

File: IGG25A Jul 25, 2013 18:29

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12530.00	100.2
CALCIUM	12500.0	12770.00	102.2
IRON	12500.0	12640.00	101.1
LEAD	500.0	519.70	103.9
MAGNESIUM	12500.0	13140.00	105.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 19:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12820.00	102.6
CALCIUM	12500.0	13170.00	105.4
IRON	12500.0	12720.00	101.8
LEAD	500.0	532.50	106.5
MAGNESIUM	12500.0	13500.00	108.0

SAMPLE: CCV

File: IGG25A Jul 25, 2013 20:17

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12630.00	101.0
CALCIUM	12500.0	13070.00	104.6
IRON	12500.0	12600.00	100.8
LEAD	500.0	527.20	105.4
MAGNESIUM	12500.0	13370.00	107.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG25A Jul 25, 2013 21:11

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12780.00	102.2
CALCIUM	12500.0	13260.00	106.1
IRON	12500.0	12870.00	103.0
LEAD	500.0	534.80	107.0
MAGNESIUM	12500.0	13520.00	108.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICV

File: IGG29A Jul 29, 2013 14:26

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	10030.00	100.3
CALCIUM	10000.0	10250.00	102.5
IRON	10000.0	10090.00	100.9
LEAD	400.0	407.50	101.9
MAGNESIUM	10000.0	10200.00	102.0

SAMPLE: CCV

File: IGG29A Jul 29, 2013 15:02

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12520.00	100.2
CALCIUM	12500.0	12320.00	98.6
IRON	12500.0	12450.00	99.6
LEAD	500.0	513.10	102.6
MAGNESIUM	12500.0	12960.00	103.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG29A Jul 29, 2013 15:56

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12410.00	99.3
CALCIUM	12500.0	12150.00	97.2
IRON	12500.0	12230.00	97.8
LEAD	500.0	502.90	100.6
MAGNESIUM	12500.0	12760.00	102.1

SAMPLE: CCV

File: IGG29A Jul 29, 2013 16:49

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12360.00	98.9
CALCIUM	12500.0	11980.00	95.8
IRON	12500.0	12170.00	97.4
LEAD	500.0	506.10	101.2
MAGNESIUM	12500.0	12780.00	102.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG29A Jul 29, 2013 17:43

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	13020.00	104.2
CALCIUM	12500.0	12620.00	101.0
IRON	12500.0	12780.00	102.2
LEAD	500.0	514.10	102.8
MAGNESIUM	12500.0	12960.00	103.7

SAMPLE: CCV

File: IGG29A Jul 29, 2013 18:37

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12640.00	101.1
CALCIUM	12500.0	12580.00	100.6
IRON	12500.0	12440.00	99.5
LEAD	500.0	519.80	104.0
MAGNESIUM	12500.0	13140.00	105.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCV

File: IGG29A Jul 29, 2013 19:31

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12740.00	101.9
CALCIUM	12500.0	12670.00	101.4
IRON	12500.0	12600.00	100.8
LEAD	500.0	529.90	106.0
MAGNESIUM	12500.0	13410.00	107.3

SAMPLE: CCV

File: IGG29A Jul 29, 2013 20:25

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12770.00	102.2
CALCIUM	12500.0	12740.00	101.9
IRON	12500.0	12550.00	100.4
LEAD	500.0	528.20	105.6
MAGNESIUM	12500.0	13370.00	107.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: PQL

File: IGG25A Jul 25, 2013 14:41

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	302.70	100.9
CALCIUM	100.0	98.26	98.3
IRON	100.0	103.30	103.3
LEAD	5.0	5.00	100.0
MAGNESIUM	100.0	114.10	114.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: PQL

File: IGG29A Jul 29, 2013 14:35

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	327.60	109.2
CALCIUM	100.0	111.50	111.5
IRON	100.0	102.90	102.9
LEAD	5.0	5.48	109.6
MAGNESIUM	100.0	113.60	113.6

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICB

File: IGG25A Jul 25, 2013 14:37

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-15.820	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 14:59

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-12.030	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 15:53

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG25A Jul 25, 2013 16:46

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-9.840	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 17:40

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-11.880	J
IRON	4.461	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 18:34

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-10.300	J
IRON	6.260	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG25A Jul 25, 2013 19:28

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 20:22

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG25A Jul 25, 2013 21:15

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	-17.060	J
IRON	4.599	J
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICB

File: IGG29A Jul 29, 2013 14:30

Analyte	Result	C
ALUMINUM	43.140	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 15:06

Analyte	Result	C
ALUMINUM	46.400	J
CALCIUM	14.660	J
IRON	4.893	J
LEAD	1.040	U
MAGNESIUM	8.257	J

SAMPLE: CCB

File: IGG29A Jul 29, 2013 16:00

Analyte	Result	C
ALUMINUM	32.580	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.763	J

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG29A Jul 29, 2013 16:53

Analyte	Result	C
ALUMINUM	52.000	J
CALCIUM	8.730	U
IRON	4.130	J
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 17:48

Analyte	Result	C
ALUMINUM	41.770	J
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 18:42

Analyte	Result	C
ALUMINUM	64.150	J
CALCIUM	12.820	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: CCB

File: IGG29A Jul 29, 2013 19:36

Analyte	Result	C
ALUMINUM	16.800	U
CALCIUM	8.730	U
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

SAMPLE: CCB

File: IGG29A Jul 29, 2013 20:30

Analyte	Result	C
ALUMINUM	28.750	J
CALCIUM	14.090	J
IRON	3.950	U
LEAD	1.040	U
MAGNESIUM	7.720	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG23ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG23ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG24ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG24ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	-0.090	J

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSGG25ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG25ICS1

Concentration Units : mg/Kgdrywt

Analyte	RESULT	C
LEAD	0.40	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG25A Jul 25, 2013 14:46

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	495800	99.2
CALCIUM	500000	471800	94.4
IRON	200000	190100	95.0
LEAD	0	4	
MAGNESIUM	500000	435200	87.0

SAMPLE: ICSAB

File: IGG25A Jul 25, 2013 14:50

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	474000	94.8
CALCIUM	500000	465600	93.1
IRON	200000	180700	90.3
LEAD	50	45	90.0
MAGNESIUM	500000	443100	88.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Concentration Units: ug/L

SAMPLE: ICSA

File: IGG29A Jul 29, 2013 14:53

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	495000	99.0
CALCIUM	500000	482100	96.4
IRON	200000	187500	93.8
LEAD	0	0	
MAGNESIUM	500000	438300	87.7

SAMPLE: ICSAB

File: IGG29A Jul 29, 2013 14:58

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496200	99.2
CALCIUM	500000	483500	96.7
IRON	200000	187600	93.8
LEAD	50	46	92.0
MAGNESIUM	500000	437400	87.5

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	311.5091		295.4840		8.46	189.4		80	120	P

Comments:

FORM V (Part 1) - IN

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	309.0106		295.4840		8.69	155.7		80	120	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001P

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	99.4407		100.3703		9.3	-10.0		80	120	P

Comments:

FORM V (Part 1) - IN

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001S

Concentration Units : mg/Kgdrywt

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	57.4733		100.3703		8.02	-534.9		80	120	P

Comments:

FORM V (Part 1) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	3832.0000		3378.0000		500	90.8		75	125	P

Comments:

FORM V (Part 2) - IN

5B

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003S

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001A

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
LEAD, TOTAL	1736.0000		1243.0000		500	98.6		75	125	P

Comments:

FORM V (Part 2) - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS308-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 78.8 **Lab Sample ID:** SG4790-006

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		309.0106		311.5091		0.8		P

Comments:

FORM VD - IN

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
LEAD, TOTAL		57.4733		99.4407		53.5	*	P

Comments:

FORM VD - IN

DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SKT-PD2-SS329-0003D

Matrix: SOIL **SDG Name:** SKEET-2

Percent Solids: 86.0 **Lab Sample ID:** SG5265-001D

Concentration Units : mg/Kgdrywt

Analyte	Control Limits	Sample Result	C	Duplicate Result	C	RPD	Q	M
LEAD, TOTAL		100.3703		101.0282		0.7		P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG23ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG23ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.13	101.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG24ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG24ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	10.67	106.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOGG25ICS1

Matrix: SOIL **SDG Name:** SKEET-2

QC Batch ID: GG25ICS1

Concentration Units : mg/Kgdrywt

Analyte	TRUE	FOUND	% R	LIMITS (%)	
LEAD	10.00	9.06	90.6	80	120

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD2-SS308-0003L

SDG Name: SKEET-2

Lab Sample ID: SG4790-006L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	3378.00		3504.00		3.7		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: SKT-PD2-SS329-0003L

SDG Name: SKEET-2

Lab Sample ID: SG5265-001L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
LEAD, TOTAL	1243.00		1266.00		1.9		P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 5/21/2012

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	16.80	P
CALCIUM	100	8.73	P
IRON	100	3.95	P
LEAD	5.0	1.04	P
MAGNESIUM	100	7.72	P

LIMITS of DETECTION

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	LOD	Units	M	EPA Prep./Anal. Method
LEAD	0.40	mg/Kg	P	SW846 3050B / SW846 6010C

METHOD DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 1/20/2011

Analyte	MDL	Units	M	EPA Prep./Anal. Method
LEAD	0.09	mg/Kg	P	SW846 3050B / SW846 6010C

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument Name: THERMO ICAP 6500 **Instrument ID:** I **Date:** 12/5/2011

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As	Cr	Co	Cu	Mn	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0443000	0.0	0.0	0.0
ANTIMONY	206.83	0.0000030	0.0	0.0000460	0.0	-0.0001490	0.0106000	0.0	0.0	0.0	-0.0039900	-0.0009470	0.0	-0.0007350
ARSENIC	189.04	0.0000030	0.0	-0.0002090	0.0	0.0	0.0001970	0.0	0.0	0.0	0.0004240	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006860	0.0003880
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0534000	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000940	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0000800	0.0000910	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0001110	0.0	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0002140	0.0017700	0.0
COPPER	327.40	0.0000030	0.0	0.0000010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0000910
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEAD	220.35	-0.0001520	0.0	0.0000300	0.0	0.0	0.0	0.0000540	0.0009460	0.0	-0.0006970	0.0002080	0.0000970	0.0
LITHIUM	670.78	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MAGNESIUM	202.58	0.0	0.0	0.0000190	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0007070	0.0
MANGANESE	257.61	0.0000009	0.0	0.0000100	-0.0000037	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	0.0	0.0	-0.0001920
NICKEL	231.60	0.0	0.0	-0.0000390	0.0	0.0	0.0	-0.0001380	0.0	0.0	0.0005880	0.0	0.0	0.0
POTASSIUM	766.49	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	0.0000180	0.0	0.0000160	0.0	-0.0001750	0.0	0.0001290	0.0	0.0008190	0.0	0.0	0.0	-0.0002070
SILICON	251.61	0.0	0.0	-0.0001400	0.0	0.0	0.0	0.0	0.0	0.0	0.0116000	0.0	0.0009940	0.0
SILVER	328.07	0.0	0.0	-0.0004020	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0009490	0.0
SODIUM	589.59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
STRONTIUM	421.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
THALLIUM	190.86	0.0000050	0.0	0.0000050	0.0	0.0	0.0	0.0046300	-0.0001610	-0.0014000	-0.0000380	0.0	-0.0011200	-0.0009970
TIN	189.99	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001290	0.0	0.0	0.0	0.0004770	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000110	0.0	0.0	-0.0043000	0.0	0.0	-0.0006810	-0.0049500	0.0	0.0007110	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0011400	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name: THERMO ICAP 6500 **Date:** 6/22/2012

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
CALCIUM	5.00	1000000	P
IRON	5.00	300000	P
LEAD	45.00	20000	P
MAGNESIUM	45.00	500000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG23ICS1

Matrix: SOIL **SDG Name:** SKEET-2

Method: P **Prep Date:** 07/23/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG23ICS1	LCSOGG23ICS1	1	0.1	
PBSGG23ICS1	PBSGG23ICS1	1	0.1	
SKT-PD2-SS301-0003	SG4790-001	1.31	0.1	A
SKT-PD2-SS300-0003	SG4790-002	1.28	0.1	A
SKT-PD2-SS303-0003	SG4790-005	1.7	0.1	A
SKT-PD2-SS308-0003	SG4790-006	1.45	0.1	A
SKT-PD2-SS308-0003P	SG4790-006P	1.5	0.1	A
SKT-PD2-SS308-0003S	SG4790-006S	1.46	0.1	A
SKT-PD2-SS307-0003	SG4790-007	1.25	0.1	A
SKT-PD2-SS306-0003	SG4790-008	1.65	0.1	A
SKT-PD2-SS305-0003	SG4790-009	1.71	0.1	A
SKT-PD2-SS325-0003	SG4790-013	1.53	0.1	A
SKT-PD2-SS324-0003	SG4790-015	1.52	0.1	A
SKT-PD2-SS326-0003	SG4876-004	1.46	0.1	A
SKT-PD2-SS316-0003	SG4876-009	1.47	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG24ICS1

Matrix: SOIL **SDG Name:** SKEET-2

Method: P **Prep Date:** 07/24/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG24ICS1	LCSOGG24ICS1	1	0.1	
PBSGG24ICS1	PBSGG24ICS1	1	0.1	
SKT-PD2-SS329-0003	SG5265-001	1.44	0.1	A
SKT-PD2-SS329-0003S	SG5265-001S	1.45	0.1	A
T-PD2-SS329-0003-00	SG5265-002	1.57	0.1	A
SKT-PD2-SS330-0003	SG5265-003	1.43	0.1	A
SKT-PD2-SS331-0003	SG5265-004	1.49	0.1	A
SKT-PD2-SS332-0003	SG5265-005	1.38	0.1	A
SKT-PD2-SS333-0003	SG5265-006	1.57	0.1	A

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** GG25ICS1

Matrix: SOIL **SDG Name:** SKEET-2

Method: P **Prep Date:** 07/25/2013

Client ID	Lab Sample ID	Initial (g)	Final (L)	Bottle ID
LCSOGG25ICS1	LCSOGG25ICS1	1	0.1	
PBSGG25ICS1	PBSGG25ICS1	1	0.1	
SKT-PD2-SS329-0003D	SG5265-001D	1.22	0.1	A
SKT-PD2-SS329-0003P	SG5265-001P	1.25	0.1	A

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG25A

Date: 7/25/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:24	AL	CA	FE	PB	MG	
Std 1		1	14:28	AL	CA	FE	PB	MG	
ICV		1	14:33	AL	CA	FE	PB	MG	
ICB		1	14:37	AL	CA	FE	PB	MG	
PQL		1	14:41	AL	CA	FE	PB	MG	
ICSA		1	14:46	AL	CA	FE	PB	MG	
ICSAB		1	14:50	AL	CA	FE	PB	MG	
CCV		1	14:55	AL	CA	FE	PB	MG	
CCB		1	14:59	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:04						
ZZZZZZ		1	15:08						
ZZZZZZ		1	15:13						
ZZZZZZ		1	15:17						
ZZZZZZ		5	15:22						
ZZZZZZ		1	15:26						
ZZZZZZ		1	15:31						
ZZZZZZ		1	15:35						
ZZZZZZ		1	15:40						
ZZZZZZ		1	15:44						
CCV		1	15:49	AL	CA	FE	PB	MG	
CCB		1	15:53	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:57						
ZZZZZZ		1	16:02						
ZZZZZZ		5	16:06						
PBSGG23ICS1		1	16:11				PB		
LCSOGG23ICS1		1	16:15				PB		
SG4790-001	SKT-PD2-SS301-0003	1	16:20				PB		
SG4790-002	SKT-PD2-SS300-0003	1	16:24				PB		
SG4790-005	SKT-PD2-SS303-0003	1	16:29				PB		
SG4790-006	SKT-PD2-SS308-0003	1	16:33				PB		
SG4790-006L	SKT-PD2-SS308-0003L	5	16:38				PB		
CCV		1	16:42	AL	CA	FE	PB	MG	
CCB		1	16:46	AL	CA	FE	PB	MG	
SG4790-006A	SKT-PD2-SS308-0003A	1	16:51				PB		
SG4790-006S	SKT-PD2-SS308-0003S	1	16:55				PB		
SG4790-006P	SKT-PD2-SS308-0003P	1	17:00				PB		
SG4790-007	SKT-PD2-SS307-0003	1	17:04				PB		
SG4790-008	SKT-PD2-SS306-0003	1	17:09				PB		
SG4790-009	SKT-PD2-SS305-0003	1	17:13				PB		
SG4790-013	SKT-PD2-SS325-0003	1	17:17				PB		
SG4790-015	SKT-PD2-SS324-0003	1	17:22				PB		
SG4876-004	SKT-PD2-SS326-0003	1	17:26				PB		
SG4876-009	SKT-PD2-SS316-0003	1	17:31				PB		
CCV		1	17:35	AL	CA	FE	PB	MG	
CCB		1	17:40	AL	CA	FE	PB	MG	
ZZZZZZ		1	17:44						
ZZZZZZ		1	17:49						
ZZZZZZ		1	17:53						
ZZZZZZ		1	17:58						
ZZZZZZ		1	18:02						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG25A

Date: 7/25/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
ZZZZZZ		10	18:07	
ZZZZZZ		1	18:11	
ZZZZZZ		1	18:16	
ZZZZZZ		5	18:20	
ZZZZZZ		1	18:25	
CCV		1	18:29	AL CA FE PB MG
CCB		1	18:34	AL CA FE PB MG
ZZZZZZ		5	18:38	
ZZZZZZ		1	18:43	
ZZZZZZ		1	18:47	
ZZZZZZ		1	18:52	
ZZZZZZ		1	18:56	
ZZZZZZ		1	19:01	
ZZZZZZ		1	19:05	
ZZZZZZ		1	19:10	
ZZZZZZ		1	19:15	
ZZZZZZ		1	19:19	
CCV		1	19:24	AL CA FE PB MG
CCB		1	19:28	AL CA FE PB MG
ZZZZZZ		1	19:33	
PBSGG24ICS1		1	19:37	PB
LCSOGG24ICS1		1	19:42	PB
ZZZZZZ		1	19:46	
SG5265-001	SKT-PD2-SS329-0003	1	19:51	PB
SG5265-001L	SKT-PD2-SS329-0003L	5	19:55	PB
SG5265-001A	SKT-PD2-SS329-0003A	1	20:00	PB
SG5265-001S	SKT-PD2-SS329-0003S	1	20:04	PB
SG5265-002	T-PD2-SS329-0003-00	1	20:08	PB
SG5265-003	SKT-PD2-SS330-0003	1	20:13	PB
CCV		1	20:17	AL CA FE PB MG
CCB		1	20:22	AL CA FE PB MG
SG5265-004	SKT-PD2-SS331-0003	1	20:26	PB
SG5265-005	SKT-PD2-SS332-0003	1	20:31	PB
SG5265-006	SKT-PD2-SS333-0003	1	20:35	PB
ZZZZZZ		1	20:40	
ZZZZZZ		1	20:44	
ZZZZZZ		1	20:48	
ZZZZZZ		5	20:53	
ZZZZZZ		1	20:58	
ZZZZZZ		1	21:02	
ZZZZZZ		1	21:06	
CCV		1	21:11	AL CA FE PB MG
CCB		1	21:15	AL CA FE PB MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG29A

Date: 7/29/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
Blank		1	14:17	AL	CA	FE	PB	MG	
Std 1		1	14:22	AL	CA	FE	PB	MG	
ICV		1	14:26	AL	CA	FE	PB	MG	
ICB		1	14:30	AL	CA	FE	PB	MG	
PQL		1	14:35	AL	CA	FE	PB	MG	
ZZZZZZ		1	14:39						
ZZZZZZ		1	14:44						
ICSA		1	14:53	AL	CA	FE	PB	MG	
ICSAB		1	14:58	AL	CA	FE	PB	MG	
CCV		1	15:02	AL	CA	FE	PB	MG	
CCB		1	15:06	AL	CA	FE	PB	MG	
ZZZZZZ		1	15:11						
ZZZZZZ		1	15:16						
ZZZZZZ		1	15:20						
ZZZZZZ		1	15:24						
ZZZZZZ		1	15:29						
ZZZZZZ		1	15:33						
ZZZZZZ		1	15:38						
ZZZZZZ		1	15:42						
ZZZZZZ		2	15:47						
ZZZZZZ		10	15:51						
CCV		1	15:56	AL	CA	FE	PB	MG	
CCB		1	16:00	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:05						
ZZZZZZ		5	16:09						
ZZZZZZ		1	16:14						
ZZZZZZ		1	16:18						
ZZZZZZ		1	16:22						
ZZZZZZ		1	16:27						
ZZZZZZ		1	16:31						
ZZZZZZ		1	16:36						
ZZZZZZ		1	16:40						
ZZZZZZ		1	16:45						
CCV		1	16:49	AL	CA	FE	PB	MG	
CCB		1	16:53	AL	CA	FE	PB	MG	
ZZZZZZ		1	16:58						
ZZZZZZ		1	17:02						
ZZZZZZ		10	17:07						
ZZZZZZ		1	17:11						
ZZZZZZ		25	17:16						
ZZZZZZ		100	17:20						
ZZZZZZ		100	17:25						
ZZZZZZ		100	17:29						
ZZZZZZ		100	17:34						
ZZZZZZ		100	17:39						
CCV		1	17:43	AL	CA	FE	PB	MG	
CCB		1	17:48	AL	CA	FE	PB	MG	
ZZZZZZ		100	17:52						
ZZZZZZ		1	17:57						
ZZZZZZ		1	18:01						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SKEET-2

Instrument ID: THERMO ICAP 6500 **File Name:** IGG29A

Date: 7/29/2013 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	18:06						
ZZZZZZ		5	18:10						
ZZZZZZ		25	18:15						
ZZZZZZ		5	18:19						
ZZZZZZ		5	18:24						
ZZZZZZ		1	18:28						
ZZZZZZ		5	18:33						
CCV		1	18:37	AL	CA	FE	PB	MG	
CCB		1	18:42	AL	CA	FE	PB	MG	
ZZZZZZ		5	18:46						
ZZZZZZ		1	18:51						
ZZZZZZ		5	18:55						
ZZZZZZ		1	19:00						
ZZZZZZ		1	19:04						
ZZZZZZ		1	19:09						
PBSGG25ICS1		1	19:13				PB		
LCSOGG25ICS1		1	19:18				PB		
ZZZZZZ		1	19:22						
SG5265-001D	SKT-PD2-SS329-0003D	1	19:27				PB		
CCV		1	19:31	AL	CA	FE	PB	MG	
CCB		1	19:36	AL	CA	FE	PB	MG	
SG5265-001P	SKT-PD2-SS329-0003P	1	19:40				PB		
ZZZZZZ		1	19:45						
ZZZZZZ		1	19:49						
ZZZZZZ		1	19:54						
ZZZZZZ		1	19:58						
ZZZZZZ		1	20:03						
ZZZZZZ		1	20:07						
ZZZZZZ		1	20:12						
ZZZZZZ		1	20:16						
ZZZZZZ		1	20:21						
CCV		1	20:25	AL	CA	FE	PB	MG	
CCB		1	20:30	AL	CA	FE	PB	MG	

Raw Data Section

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: I - Thermo ICAP 6500 **ANALYST:** Eam **ANALYSIS DATE:** 07-25-13

FILE NAME: I6625A

REVIEWED
VT 8/1/13
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP	ICP-MS	CVAA
☐ 200.7	☐ 200.8	☐ 245.__
☐ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Blank / ICB / CCB	MW14314	07-09-13	07-09-14	0 ug/L
Std 1	MW14306	07-08-13	10-03-13	varies by element
ICV	MW14315	07-10-13	10-10-13	↓
PQL	MW14305	07-08-13	10-03-13	↓
ICSA	MW14289	06-26-13	09-26-13	↓
ICSAB	MW14262	06-05-13	09-05-13	↓
CCV	MW14322	07-23-13	10-23-13	↓
Internal Std	MW14318	07-15-13	10-15-13	✓ Single
	Eam 07-26-13			

Additional Comments and Notes:

• CCVs and CCBs analyzed at 22:59/23:04 and later contained the wrong solutions — all associated samples will be reanalyzed.

Eam 08-01-13

REISSUE

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG25A	7/25/2013	14:24	EAM
Std 1	1.000	IGG25A	7/25/2013	14:28	EAM
ICV	1.000	IGG25A	7/25/2013	14:33	EAM
ICB	1.000	IGG25A	7/25/2013	14:37	EAM
PQL	1.000	IGG25A	7/25/2013	14:41	EAM
ICSA	1.000	IGG25A	7/25/2013	14:46	EAM
ICSAB	1.000	IGG25A	7/25/2013	14:50	EAM
CCV	1.000	IGG25A	7/25/2013	14:55	EAM
CCB	1.000	IGG25A	7/25/2013	14:59	EAM
SG5150-001	1.000	IGG25A	7/25/2013	15:04	EAM
SG5150-002	1.000	IGG25A	7/25/2013	15:08	EAM
SG5150-003	1.000	IGG25A	7/25/2013	15:13	EAM
SG5288-001	1.000	IGG25A	7/25/2013	15:17	EAM
SG5060-001	5.000	IGG25A	7/25/2013	15:22	EAM
SG5041-012	1.000	IGG25A	7/25/2013	15:26	EAM
PBWGG19ICW1	1.000	IGG25A	7/25/2013	15:31	EAM
LCSWGG19ICW1	1.000	IGG25A	7/25/2013	15:35	EAM
SG4973-008	1.000	IGG25A	7/25/2013	15:40	EAM
SG4973-010	1.000	IGG25A	7/25/2013	15:44	EAM
CCV	1.000	IGG25A	7/25/2013	15:49	EAM
CCB	1.000	IGG25A	7/25/2013	15:53	EAM
SG5132-002S	1.000	IGG25A	7/25/2013	15:57	EAM
SG5132-003	1.000	IGG25A	7/25/2013	16:02	EAM
SG5132-004	5.000	IGG25A	7/25/2013	16:06	EAM
PBSGG23ICS1	1.000	IGG25A	7/25/2013	16:11	EAM
LCSOGG23ICS1	1.000	IGG25A	7/25/2013	16:15	EAM
SG4790-001	1.000	IGG25A	7/25/2013	16:20	EAM
SG4790-002	1.000	IGG25A	7/25/2013	16:24	EAM
SG4790-005	1.000	IGG25A	7/25/2013	16:29	EAM
SG4790-006	1.000	IGG25A	7/25/2013	16:33	EAM
SG4790-006L	5.000	IGG25A	7/25/2013	16:38	EAM
CCV	1.000	IGG25A	7/25/2013	16:42	EAM
CCB	1.000	IGG25A	7/25/2013	16:46	EAM
SG4790-006A	1.000	IGG25A	7/25/2013	16:51	EAM
SG4790-006S	1.000	IGG25A	7/25/2013	16:55	EAM
SG4790-006P	1.000	IGG25A	7/25/2013	17:00	EAM
SG4790-007	1.000	IGG25A	7/25/2013	17:04	EAM
SG4790-008	1.000	IGG25A	7/25/2013	17:09	EAM
SG4790-009	1.000	IGG25A	7/25/2013	17:13	EAM
SG4790-013	1.000	IGG25A	7/25/2013	17:17	EAM
SG4790-015	1.000	IGG25A	7/25/2013	17:22	EAM
SG4876-004	1.000	IGG25A	7/25/2013	17:26	EAM
SG4876-009	1.000	IGG25A	7/25/2013	17:31	EAM
CCV	1.000	IGG25A	7/25/2013	17:35	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCB	1.000	IGG25A	7/25/2013	17:40	EAM
SG5090-004	1.000	IGG25A	7/25/2013	17:44	EAM
PBWGG23ICW1	1.000	IGG25A	7/25/2013	17:49	EAM
LCSWGG23ICW1	1.000	IGG25A	7/25/2013	17:53	EAM
SG4973-008R	1.000	IGG25A	7/25/2013	17:58	EAM
SG5195-001	1.000	IGG25A	7/25/2013	18:02	EAM
SG5152-001T	10.00	IGG25A	7/25/2013	18:07	EAM
SG5152-002T	1.000	IGG25A	7/25/2013	18:11	EAM
SG5152-003T	1.000	IGG25A	7/25/2013	18:16	EAM
SG5152-004T	5.000	IGG25A	7/25/2013	18:20	EAM
SG5181-001	1.000	IGG25A	7/25/2013	18:25	EAM
CCV	1.000	IGG25A	7/25/2013	18:29	EAM
CCB	1.000	IGG25A	7/25/2013	18:34	EAM
SG5181-001L	5.000	IGG25A	7/25/2013	18:38	EAM
SG5181-001S	1.000	IGG25A	7/25/2013	18:43	EAM
SG5181-001P	1.000	IGG25A	7/25/2013	18:47	EAM
SG5181-002	1.000	IGG25A	7/25/2013	18:52	EAM
SG5181-003	1.000	IGG25A	7/25/2013	18:56	EAM
SG5181-004	1.000	IGG25A	7/25/2013	19:01	EAM
SG5181-005	1.000	IGG25A	7/25/2013	19:05	EAM
SG5183-001	1.000	IGG25A	7/25/2013	19:10	EAM
SG5183-002	1.000	IGG25A	7/25/2013	19:15	EAM
SG5184-001	1.000	IGG25A	7/25/2013	19:19	EAM
CCV	1.000	IGG25A	7/25/2013	19:24	EAM
CCB	1.000	IGG25A	7/25/2013	19:28	EAM
SG5184-002	1.000	IGG25A	7/25/2013	19:33	EAM
PBSGG24ICS1	1.000	IGG25A	7/25/2013	19:37	EAM
LCSOGG24ICS1	1.000	IGG25A	7/25/2013	19:42	EAM
SG5238-001	1.000	IGG25A	7/25/2013	19:46	EAM
SG5265-001	1.000	IGG25A	7/25/2013	19:51	EAM
SG5265-001L	5.000	IGG25A	7/25/2013	19:55	EAM
SG5265-001A	1.000	IGG25A	7/25/2013	20:00	EAM
SG5265-001S	1.000	IGG25A	7/25/2013	20:04	EAM
SG5265-002	1.000	IGG25A	7/25/2013	20:08	EAM
SG5265-003	1.000	IGG25A	7/25/2013	20:13	EAM
CCV	1.000	IGG25A	7/25/2013	20:17	EAM
CCB	1.000	IGG25A	7/25/2013	20:22	EAM
SG5265-004	1.000	IGG25A	7/25/2013	20:26	EAM
SG5265-005	1.000	IGG25A	7/25/2013	20:31	EAM
SG5265-006	1.000	IGG25A	7/25/2013	20:35	EAM
PBWGG24ICW1	1.000	IGG25A	7/25/2013	20:40	EAM
LCSWGG24ICW1	1.000	IGG25A	7/25/2013	20:44	EAM
SG4994-002	1.000	IGG25A	7/25/2013	20:48	EAM
SG4994-002L	5.000	IGG25A	7/25/2013	20:53	EAM
SG4994-002A	1.000	IGG25A	7/25/2013	20:58	EAM
SG4994-002D	1.000	IGG25A	7/25/2013	21:02	EAM
SG4994-002S	1.000	IGG25A	7/25/2013	21:06	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
CCV	1.000	IGG25A	7/25/2013	21:11	EAM
CCB	1.000	IGG25A	7/25/2013	21:15	EAM
SG5022-002	1.000	IGG25A	7/25/2013	21:20	EAM
SG5022-003	1.000	IGG25A	7/25/2013	21:24	EAM
SG5022-004	1.000	IGG25A	7/25/2013	21:29	EAM
SG5022-005	1.000	IGG25A	7/25/2013	21:33	EAM
SG5070-002	1.000	IGG25A	7/25/2013	21:38	EAM
SG5070-003	1.000	IGG25A	7/25/2013	21:42	EAM
SG5070-004	1.000	IGG25A	7/25/2013	21:47	EAM
SG5070-005	1.000	IGG25A	7/25/2013	21:51	EAM
SG5070-006	1.000	IGG25A	7/25/2013	21:56	EAM
SG5146-001	1.000	IGG25A	7/25/2013	22:00	EAM
CCV	1.000	IGG25A	7/25/2013	22:05	EAM
CCB	1.000	IGG25A	7/25/2013	22:09	EAM
SG5227-001	1.000	IGG25A	7/25/2013	22:14	EAM
SG5227-002	1.000	IGG25A	7/25/2013	22:18	EAM
SG5227-003	1.000	IGG25A	7/25/2013	22:23	EAM
SG5227-004	1.000	IGG25A	7/25/2013	22:27	EAM
SG5228-001	1.000	IGG25A	7/25/2013	22:32	EAM
SG5253-001	1.000	IGG25A	7/25/2013	22:36	EAM
SG5253-002	1.000	IGG25A	7/25/2013	22:41	EAM
SG5253-003	1.000	IGG25A	7/25/2013	22:46	EAM
SG5253-004	1.000	IGG25A	7/25/2013	22:50	EAM
PBWGG24ICW2	1.000	IGG25A	7/25/2013	22:55	EAM
CCV	1.000	IGG25A	7/25/2013	22:59	EAM
CCB	1.000	IGG25A	7/25/2013	23:04	EAM
LCSWGG24ICW2	1.000	IGG25A	7/25/2013	23:08	EAM
SG5203-001T	1.000	IGG25A	7/25/2013	23:12	EAM
SG5242-001	1.000	IGG25A	7/25/2013	23:17	EAM
SG5242-002	1.000	IGG25A	7/25/2013	23:22	EAM
SG5242-003	1.000	IGG25A	7/25/2013	23:26	EAM
SG5242-004	1.000	IGG25A	7/25/2013	23:31	EAM
SG5242-005	1.000	IGG25A	7/25/2013	23:35	EAM
SG5242-006	1.000	IGG25A	7/25/2013	23:40	EAM
SG5242-007	1.000	IGG25A	7/25/2013	23:44	EAM
SG5242-008	1.000	IGG25A	7/25/2013	23:49	EAM
CCV	1.000	IGG25A	7/25/2013	23:53	EAM
CCB	1.000	IGG25A	7/25/2013	23:58	EAM
SG5242-009	1.000	IGG25A	7/26/2013	0:03	EAM
SG5242-010	1.000	IGG25A	7/26/2013	0:07	EAM
SG5270-001	1.000	IGG25A	7/26/2013	0:12	EAM
SG5270-001L	5.000	IGG25A	7/26/2013	0:16	EAM
SG5270-001S	1.000	IGG25A	7/26/2013	0:21	EAM
SG5270-001P	1.000	IGG25A	7/26/2013	0:25	EAM
SG5270-002	1.000	IGG25A	7/26/2013	0:30	EAM
SG5270-003	1.000	IGG25A	7/26/2013	0:34	EAM
SG5271-001	1.000	IGG25A	7/26/2013	0:39	EAM

Intensity Report

Author:

Published: 7/26/2013 10:30:23AM

Notes:

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Method Name: K6010-2011 Method Revision: 845

Analyst Name: EAM

Acquire Date: 7/25/2013 2:24:11PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.0001114	Cts/S	0.00002634	23.65	-24.58
Al3961_R		-0.00009149	Cts/S	0.00005224	57.10	-1.257
As1891_A		-0.0002329	Cts/S	0.00001662	7.136	-1.632
Au2427_A		-0.0005648	Cts/S	0.00003232	5.722	-3.960
B_2089_A		0.0003970	Cts/S	0.00005247	13.22	2.783
Ba4554_R		-0.0008811	Cts/S	0.0007110	80.70	-12.21
Be3130_R		-0.0009104	Cts/S	0.0002570	28.23	-12.38
Ca3158_R		0.000003107	Cts/S	0.0004196	13,500	-0.2460
Cd2265_A		-0.00001533	Cts/S	0.00009243	602.8	-0.1081
Co2286_A		0.001122	Cts/S	0.0001654	14.75	7.863
Cr2677_A		0.00001856	Cts/S	0.000006219	33.51	4.093
Cu3273_A		0.0001015	Cts/S	0.00002989	29.44	22.46
Fe2599_R		0.0004112	Cts/S	0.0001080	26.27	5.588
K_7664_R		-0.004165	Cts/S	0.0006572	15.78	-56.39
Li6707_R		0.0005523	Cts/S	0.0004976	90.10	7.678
Mg2025_A		-0.00006090	Cts/S	0.00001122	18.42	-0.4270
Mn2576_R		-0.0002524	Cts/S	0.0001362	53.97	-3.465
Mo2020_A		-0.00004076	Cts/S	0.00001624	39.83	-0.2858
Na5895_R		-0.007974	Cts/S	0.0008647	10.84	-107.8
Ni2316_A		-0.0001982	Cts/S	0.000006628	3.344	-1.389
Pb2203_A		-0.00003496	Cts/S	0.00008446	241.6	-0.2445
Sb2068_A		0.0001212	Cts/S	0.00006519	53.78	0.8502
Se1960_A		-0.0001415	Cts/S	0.00002845	20.10	-0.9923
Si2516_R		0.0003997	Cts/S	0.00009703	24.27	5.334
Sn1899_A		.0000000005	Cts/S	0.0000005043	96,900	-0.0000004061
Sr4215_R		-0.004123	Cts/S	0.0003783	9.175	-55.69
Ti3349_A		-0.00006058	Cts/S	0.000007252	11.97	-13.39
Tl1908_A		-0.00009395	Cts/S	0.00001436	15.29	-0.6586
V_2924_A		-0.00004261	Cts/S	0.00001237	29.03	-9.429
Zn2062_A		0.0001560	Cts/S	0.00005237	33.56	1.094
Y_3600_R		13,462	Cts/S	973.38	7.2308	13,462
Y_2243_A		7,010.3	Cts/S	12.859	0.18343	7,010.3
Y_3600_A		220,920	Cts/S	2,363.2	1.0697	220,920

Std 1

Method Name: K6010-2011 Method Revision: 845

Analyst Name: EAM

Acquire Date: 7/25/2013 2:28:41PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.08764	Cts/S	0.001686	1.924	18,050
Al3961_R		0.8354	Cts/S	0.008694	1.041	11,220
As1891_A		0.03489	Cts/S	0.0002854	0.8180	238.2
Au2427_A		0.4327	Cts/S	0.001795	0.4148	2,954
B_2089_A		0.1238	Cts/S	0.0008784	0.7093	845.5
Ba4554_R		2.214	Cts/S	0.01700	0.7678	29,750
Be3130_R		3.783	Cts/S	0.02953	0.7806	50,830
Ca3158_R		1.433	Cts/S	0.01553	1.084	19,250
Cd2265_A		1.806	Cts/S	0.01624	0.8992	12,330
Co2286_A		0.4541	Cts/S	0.004400	0.9689	3,100
Cr2677_A		0.06324	Cts/S	0.001197	1.893	13,030
Cu3273_A		0.06117	Cts/S	0.001228	2.008	12,600
Fe2599_R		1.624	Cts/S	0.01667	1.027	21,810

Std 1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:28:41PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		0.9008	Cts/S	0.004391	0.4875	12,100
Li6707_R		0.5699	Cts/S	0.003414	0.5990	7,657
Mg2025_A		0.6722	Cts/S	0.006618	0.9845	4,589
Mn2576_R		0.3582	Cts/S	0.002161	0.6032	4,813
Mo2020_A		0.2534	Cts/S	0.001182	0.4664	1,730
Na5895_R		2.293	Cts/S	0.01906	0.8311	30,810
Ni2316_A		0.2422	Cts/S	0.002495	1.030	1,653
Pb2203_A		0.1333	Cts/S	0.001403	1.053	910.3
Sb2068_A		0.04145	Cts/S	0.0003251	0.7843	283.0
Se1960_A		0.02261	Cts/S	0.0002174	0.9617	154.3
Si2516_R		0.4383	Cts/S	0.004488	1.024	5,889
Sn1899_A		0.06334	Cts/S	0.0006128	0.9674	432.4
Sr4215_R		2.966	Cts/S	0.02257	0.7610	39,850
Ti3349_A		0.1162	Cts/S	0.002279	1.962	23,930
Tl1908_A		0.06012	Cts/S	0.0005159	0.8580	410.5
V_2924_A		0.05395	Cts/S	0.001003	1.860	11,110
Zn2062_A		0.3966	Cts/S	0.003760	0.9482	2,707
Y_3600_R		13,436	Cts/S	57.609	0.42876	13,436
Y_2243_A		6,827.2	Cts/S	53.089	0.77760	6,827.2
Y_3600_A		206,020	Cts/S	2,680.4	1.3011	206,020

ICV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:33:00PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		383.3	ug/L	3.454	0.9013	7,132
Al3961_R		9,867	ug/L	469.2	4.756	4,441
As1891_A		394.9	ug/L	0.5618	0.1423	94.30
Au2427_A		389.4	ug/L	4.943	1.269	1,163
B_2089_A		392.5	ug/L	1.073	0.2733	338.2
Ba4554_R		396.5	ug/L	16.84	4.247	11,820
Be3130_R		395.2	ug/L	15.72	3.976	20,130
Ca3158_R		10,160	ug/L	480.8	4.734	7,839
Cd2265_A		390.6	ug/L	0.3459	0.08855	4,878
Co2286_A		403.6	ug/L	0.2139	0.05299	1,272
Cr2677_A		389.2	ug/L	4.395	1.129	5,239
Cu3273_A		390.3	ug/L	3.400	0.8711	5,094
Fe2599_R		9,974	ug/L	450.3	4.515	8,729
K_7664_R		13,380	ug/L	532.6	3.980	6,468
Li6707_R		388.0	ug/L	14.49	3.734	2,983
Mg2025_A		10,080	ug/L	12.45	0.1236	1,873
Mn2576_R		394.8	ug/L	18.66	4.727	1,903
Mo2020_A		405.9	ug/L	1.339	0.3297	711.3
Na5895_R		9,850	ug/L	353.7	3.591	12,110
Ni2316_A		398.4	ug/L	1.197	0.3005	666.5
Pb2203_A		402.9	ug/L	0.5082	0.1261	371.4
Sb2068_A		391.7	ug/L	0.5063	0.1293	112.8
Se1960_A		392.5	ug/L	0.8987	0.2290	60.77
Si2516_R	W	9,433	ug/L	429.0	4.548	2,231
Sn1899_A		398.2	ug/L	0.1087	0.02730	174.4
Sr4215_R		387.5	ug/L	16.52	4.263	15,450
Ti3349_A		385.2	ug/L	3.188	0.8277	9,516
Tl1908_A		405.7	ug/L	1.102	0.2716	168.3
V_2924_A		388.4	ug/L	4.281	1.102	4,452
Zn2062_A		400.5	ug/L	0.1026	0.02561	1,099
Y_3600_R		13,478	Cts/S	370.23	2.7469	13,478

ICV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:33:00PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		6,915.2	Cts/S	6.4889	0.093835	6,915.2
Y_3600_A		212,800	Cts/S	1,412.2	0.66362	212,800

ICB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:37:21PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2859	ug/L	0.3537	123.7	-18.91
Al3961_R		-13.73	ug/L	33.68	245.3	-7.395
As1891_A		1.028	ug/L	0.01886	1.835	-1.397
Au2427_A		1.904	ug/L	1.094	57.42	1.821
B_2089_A		1.049	ug/L	0.1817	17.32	3.795
Ba4554_R		0.03985	ug/L	0.4789	1,202	-10.67
Be3130_R		0.1242	ug/L	0.06463	52.06	-5.941
Ca3158_R		-15.82	ug/L	4.578	28.93	-12.29
Cd2265_A		-0.06437	ug/L	0.06424	99.80	-0.9361
Co2286_A		0.2141	ug/L	0.01019	4.759	8.665
Cr2677_A		0.2319	ug/L	0.01564	6.744	7.303
Cu3273_A		-0.4628	ug/L	0.2992	64.66	16.07
Fe2599_R		-2.866	ug/L	5.188	181.0	3.030
K_7664_R		2.565	ug/L	24.28	946.5	-54.95
Li6707_R		-2.196	ug/L	0.6713	30.56	-9.414
Mg2025_A		2.949	ug/L	0.6082	20.62	0.1479
Mn2576_R		0.7504	ug/L	0.7751	103.3	0.2151
Mo2020_A		2.658	ug/L	0.1806	6.794	4.501
Na5895_R		18.77	ug/L	5.917	31.52	-84.33
Ni2316_A		0.4831	ug/L	0.3672	76.01	-0.5706
Pb2203_A		0.1696	ug/L	0.2756	162.5	-0.08821
Sb2068_A		-0.3596	ug/L	0.2774	77.13	0.7528
Se1960_A		0.9751	ug/L	1.181	121.1	-0.8485
Si2516_R		2.217	ug/L	0.8032	36.23	5.927
Sn1899_A		0.9743	ug/L	0.3432	35.22	0.4386
Sr4215_R		0.06959	ug/L	0.1927	276.9	-52.86
Ti3349_A		0.1897	ug/L	0.1463	77.13	-8.451
Tl1908_A		0.9948	ug/L	0.1570	15.78	-0.2419
V_2924_A		0.2344	ug/L	0.2727	116.4	-6.862
Zn2062_A		0.1926	ug/L	0.1632	84.71	1.653
Y_3600_R		13,499	Cts/S	54.953	0.40707	13,499
Y_2243_A		7,110.1	Cts/S	13.639	0.19183	7,110.1
Y_3600_A		219,850	Cts/S	1,393.3	0.63377	219,850

PQL

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:41:52PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		9.764	ug/L	0.07352	0.7530	166.3
Al3961_R		302.7	ug/L	16.60	5.483	136.6
As1891_A		7.133	ug/L	1.064	14.92	0.1287
Au2427_A		103.0	ug/L	2.250	2.185	308.9
B_2089_A		51.23	ug/L	0.2164	0.4224	46.03
Ba4554_R		4.856	ug/L	0.4072	8.385	134.5
Be3130_R		5.113	ug/L	0.2809	5.494	251.0
Ca3158_R		98.26	ug/L	2.003	2.039	76.68
Cd2265_A		5.068	ug/L	0.04400	0.8683	64.30
Co2286_A		10.55	ug/L	0.0004918	0.004660	41.57

PQL

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:41:52PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		10.01	ug/L	0.8411	8.401	144.5
Cu3273_A		25.34	ug/L	2.056	8.115	366.1
Fe2599_R		103.3	ug/L	5.786	5.599	97.03
K_7664_R		1,057	ug/L	33.12	3.133	464.7
Li6707_R		100.7	ug/L	0.9295	0.9231	788.9
Mg2025_A		114.1	ug/L	2.136	1.872	21.43
Mn2576_R	W	6.433	ug/L	0.2016	3.134	27.98
Mo2020_A		11.22	ug/L	0.3719	3.315	19.73
Na5895_R		1,039	ug/L	7.095	0.6825	1,195
Ni2316_A		11.06	ug/L	0.1890	1.710	17.48
Pb2203_A		5.005	ug/L	1.315	26.28	4.419
Sb2068_A		9.435	ug/L	0.002137	0.02265	3.328
Se1960_A		10.11	ug/L	0.01512	0.1496	0.6224
Si2516_R		200.7	ug/L	7.942	3.956	53.38
Sn1899_A		104.5	ug/L	0.6836	0.6544	46.57
Sr4215_R		10.14	ug/L	0.1485	1.464	354.3
Ti3349_A		14.46	ug/L	0.7119	4.922	359.6
Tl1908_A		17.90	ug/L	1.311	7.325	6.931
V_2924_A		9.954	ug/L	0.5098	5.121	109.8
Zn2062_A		20.52	ug/L	0.02575	0.1255	58.37
Y_3600_R		13,629	Cts/S	143.05	1.0496	13,629
Y_2243_A		7,038.2	Cts/S	11.081	0.15744	7,038.2
Y_3600_A		222,150	Cts/S	8,748.5	3.9381	222,150

ICSA

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:46:24PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.450	ug/L	0.8062	55.62	-753.0
Al3961_R		495,800	ug/L	6,409	1.293	214,400
As1891_A		4.947	ug/L	0.8578	17.34	-7.695
Au2427_A		-8.298	ug/L	0.3130	3.772	78.30
B_2089_A		1.644	ug/L	0.06465	3.933	3.675
Ba4554_R		0.01918	ug/L	0.03775	196.9	-10.86
Be3130_R		-0.09291	ug/L	0.008257	8.888	-16.46
Ca3158_R		471,800	ug/L	19,650	4.165	350,300
Cd2265_A		-1.238	ug/L	0.1535	12.40	126.6
Co2286_A		-2.758	ug/L	0.04965	1.800	8.139
Cr2677_A		1.488	ug/L	0.2634	17.71	24.69
Cu3273_A		-0.9498	ug/L	0.005746	0.6050	58.40
Fe2599_R		190,100	ug/L	2,651	1.395	160,000
K_7664_R		-1.392	ug/L	12.77	917.7	-54.60
Li6707_R		4.790	ug/L	0.1480	3.089	42.52
Mg2025_A		435,200	ug/L	947.5	0.2177	72,210
Mn2576_R		0.8925	ug/L	0.3496	39.18	13.27
Mo2020_A		-0.5197	ug/L	0.09181	17.67	-1.073
Na5895_R		41.65	ug/L	12.38	29.72	-53.80
Ni2316_A		0.3424	ug/L	0.2937	85.76	-9.736
Pb2203_A		3.645	ug/L	0.3783	10.38	-47.37
Sb2068_A		3.657	ug/L	1.011	27.64	4.195
Se1960_A		-1.590	ug/L	1.662	104.5	-3.482
Si2516_R		20.31	ug/L	4.897	24.11	3.303
Sn1899_A		3.221	ug/L	0.8597	26.70	1.270
Sr4215_R		2.149	ug/L	0.004198	0.1953	29.29
Ti3349_A		2.363	ug/L	0.2000	8.464	39.15
Tl1908_A		1.326	ug/L	0.9765	73.65	0.2449

ICSA

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:46:24PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A		-1.158	ug/L	0.2850	24.61	24.00
Zn2062_A		8.316	ug/L	0.1460	1.756	21.52
Y_3600_R		12,963	Cts/S	226.18	1.7448	12,963
Y_2243_A		6,227.2	Cts/S	14.829	0.23814	6,227.2
Y_3600_A		183,070	Cts/S	520.09	0.28410	183,070

ICSAB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:50:57PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		214.8	ug/L	4.233	1.971	2,723
Al3961_R		474,000	ug/L	45,320	9.562	210,000
As1891_A		104.0	ug/L	1.594	1.532	14.41
Au2427_A		514.5	ug/L	3.360	0.6530	1,459
B_2089_A		490.2	ug/L	1.772	0.3614	374.6
Ba4554_R		479.8	ug/L	45.57	9.498	14,100
Be3130_R		478.7	ug/L	46.62	9.740	24,040
Ca3158_R		465,600	ug/L	36,240	7.783	354,500
Cd2265_A		952.8	ug/L	0.08761	0.009195	10,700
Co2286_A		465.3	ug/L	0.006239	0.001341	1,312
Cr2677_A		488.8	ug/L	1.834	0.3753	5,648
Cu3273_A		502.1	ug/L	1.070	0.2130	5,664
Fe2599_R		180,700	ug/L	17,930	9.927	155,800
K_7664_R		19,900	ug/L	1,630	8.195	9,514
Li6707_R		501.6	ug/L	46.58	9.287	3,800
Mg2025_A		443,100	ug/L	546.3	0.1233	72,660
Mn2576_R		457.0	ug/L	41.36	9.049	2,185
Mo2020_A		485.6	ug/L	3.242	0.6676	757.1
Na5895_R		19,740	ug/L	1,685	8.535	24,030
Ni2316_A		923.5	ug/L	1.717	0.1859	1,368
Pb2203_A		45.37	ug/L	6.096	13.44	-10.83
Sb2068_A		604.4	ug/L	3.836	0.6347	156.7
Se1960_A		46.81	ug/L	0.4444	0.9493	3.486
Si2516_R		1,850	ug/L	203.5	11.00	430.5
Sn1899_A		469.7	ug/L	0.8239	0.1754	183.0
Sr4215_R		475.1	ug/L	46.94	9.881	18,680
Ti3349_A		500.0	ug/L	0.4765	0.09531	10,600
Tl1908_A		88.15	ug/L	0.2247	0.2549	32.13
V_2924_A		497.0	ug/L	0.6244	0.1256	4,931
Zn2062_A		941.8	ug/L	0.1027	0.01090	2,299
Y_3600_R		13,315	Cts/S	699.68	5.2548	13,315
Y_2243_A		6,152.6	Cts/S	1.3648	0.022182	6,152.6
Y_3600_A		182,540	Cts/S	52.632	0.028833	182,540

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:55:26PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		500.8	ug/L	4.014	0.8017	9,289
Al3961_R		12,620	ug/L	232.4	1.842	5,687
As1891_A		501.6	ug/L	0.7265	0.1448	119.9
Au2427_A		502.8	ug/L	2.775	0.5519	1,499
B_2089_A		509.2	ug/L	0.7569	0.1486	436.2
Ba4554_R		506.4	ug/L	8.707	1.719	15,120
Be3130_R		503.8	ug/L	8.317	1.651	25,700

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:55:26PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		12,540	ug/L	172.2	1.373	9,693
Cd2265_A		508.8	ug/L	0.4745	0.09326	6,337
Co2286_A		512.9	ug/L	1.172	0.2285	1,610
Cr2677_A		502.3	ug/L	0.7863	0.1565	6,733
Cu3273_A		500.7	ug/L	3.705	0.7399	6,502
Fe2599_R		12,610	ug/L	210.6	1.670	11,050
K_7664_R		12,660	ug/L	153.3	1.211	6,126
Li6707_R		500.8	ug/L	8.088	1.615	3,853
Mg2025_A		13,010	ug/L	3.986	0.03063	2,412
Mn2576_R		502.2	ug/L	5.918	1.179	2,425
Mo2020_A		507.0	ug/L	3.769	0.7434	886.1
Na5895_R		12,650	ug/L	116.7	0.9226	15,600
Ni2316_A		513.1	ug/L	1.453	0.2831	856.5
Pb2203_A		514.0	ug/L	0.6161	0.1199	472.6
Sb2068_A		509.4	ug/L	1.182	0.2320	146.0
Se1960_A		505.1	ug/L	4.301	0.8516	78.27
Si2516_R		12,420	ug/L	265.1	2.134	2,941
Sn1899_A		510.4	ug/L	1.319	0.2583	223.0
Sr4215_R		500.7	ug/L	7.878	1.573	20,000
Ti3349_A		496.6	ug/L	0.6026	0.1214	12,220
Tl1908_A		522.3	ug/L	2.356	0.4511	216.3
V_2924_A		498.9	ug/L	0.5082	0.1019	5,698
Zn2062_A		509.4	ug/L	0.5870	0.1152	1,394
Y_3600_R		13,491	Cts/S	73.325	0.54352	13,491
Y_2243_A		6,896.5	Cts/S	12.247	0.17758	6,896.5
Y_3600_A		211,920	Cts/S	128.16	0.060476	211,920

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:59:48PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2558	ug/L	0.5569	217.7	-19.47
Al3961_R		0.6568	ug/L	12.04	1,833	-0.8888
As1891_A		-0.1244	ug/L	0.3150	253.2	-1.677
Au2427_A		1.104	ug/L	0.1043	9.440	-0.6246
B_2089_A		1.177	ug/L	0.2212	18.80	3.912
Ba4554_R		-0.02225	ug/L	0.1288	579.0	-12.60
Be3130_R		0.1096	ug/L	0.01770	16.15	-6.709
Ca3158_R		-12.03	ug/L	1.005	8.356	-9.366
Cd2265_A		0.06111	ug/L	0.02909	47.60	0.6728
Co2286_A		-0.00007952	ug/L	0.2583	324,800	7.941
Cr2677_A		0.1197	ug/L	0.04313	36.03	5.724
Cu3273_A		-0.8948	ug/L	0.3206	35.83	10.22
Fe2599_R		2.323	ug/L	0.8783	37.82	7.601
K_7664_R		-16.24	ug/L	72.62	447.1	-64.19
Li6707_R		-1.690	ug/L	0.5414	32.04	-5.529
Mg2025_A		5.114	ug/L	0.8207	16.05	0.5520
Mn2576_R		0.6648	ug/L	0.3092	46.52	-0.1870
Mo2020_A		3.510	ug/L	0.7075	20.16	6.009
Na5895_R		23.12	ug/L	0.2810	1.215	-79.08
Ni2316_A		0.4777	ug/L	0.05205	10.90	-0.5763
Pb2203_A		-0.2565	ug/L	0.8446	329.3	-0.4956
Sb2068_A		1.151	ug/L	0.8020	69.66	1.191
Se1960_A		-0.9298	ug/L	0.7987	85.90	-1.151
Si2516_R		-0.6881	ug/L	13.06	1,899	5.265
Sn1899_A		0.6184	ug/L	0.4716	76.25	0.2775

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 2:59:48PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		0.1543	ug/L	0.1075	69.68	-49.60
Ti3349_A		0.5666	ug/L	0.2670	47.13	1.189
Tl1908_A		1.352	ug/L	0.09872	7.301	-0.08868
V_2924_A		0.6555	ug/L	0.3050	46.52	-1.844
Zn2062_A		0.08239	ug/L	0.06769	82.16	1.335
Y_3600_R		13,529	Cts/S	87.631	0.64772	13,529
Y_2243_A		7,076.3	Cts/S	19.419	0.27442	7,076.3
Y_3600_A		219,020	Cts/S	149.90	0.068439	219,020

SG5150-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:04:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4296	ug/L	0.4321	100.6	-32.30
Al3961_R		15.61	ug/L	11.83	75.82	5.808
As1891_A		68.83	ug/L	2.058	2.989	15.21
Au2427_A		0.05560	ug/L	2.076	3,733	-3.735
B_2089_A		23.13	ug/L	0.2998	1.296	21.94
Ba4554_R		0.8608	ug/L	0.01849	2.148	13.85
Be3130_R		0.1253	ug/L	0.02819	22.50	-5.856
Ca3158_R	W	31,780	ug/L	963.8	3.033	24,580
Cd2265_A		-0.02910	ug/L	0.05074	174.3	-0.4400
Co2286_A		-0.0005349	ug/L	0.06875	12,850	7.787
Cr2677_A		0.6865	ug/L	0.5828	84.90	13.34
Cu3273_A		0.1870	ug/L	0.2468	132.0	24.32
Fe2599_R		38.29	ug/L	2.045	5.342	39.12
K_7664_R		1,043	ug/L	17.58	1.686	453.4
Li6707_R		3.904	ug/L	1.053	26.97	37.52
Mg2025_A		3,561	ug/L	23.61	0.6630	658.7
Mn2576_R		5.400	ug/L	0.03916	0.7253	22.72
Mo2020_A		2.432	ug/L	0.1250	5.140	3.999
Na5895_R	W	81,470	ug/L	1,693	2.078	101,100
Ni2316_A		1.822	ug/L	0.1444	7.922	1.693
Pb2203_A		0.4895	ug/L	0.7952	162.5	0.2064
Sb2068_A		-0.06089	ug/L	1.814	2,980	0.8192
Se1960_A		-2.456	ug/L	3.776	153.8	-1.371
Si2516_R		6,169	ug/L	188.6	3.058	1,463
Sn1899_A		0.2927	ug/L	0.04600	15.71	0.1287
Sr4215_R		134.4	ug/L	3.975	2.958	5,330
Ti3349_A		-0.6429	ug/L	0.4681	72.81	-29.06
Tl1908_A		2.092	ug/L	2.138	102.2	0.2227
V_2924_A		0.9230	ug/L	0.1929	20.90	1.277
Zn2062_A		36.81	ug/L	0.2599	0.7059	102.6
Y_3600_R		13,500	Cts/S	176.92	1.3105	13,500
Y_2243_A		6,945.9	Cts/S	43.758	0.62998	6,945.9
Y_3600_A		215,090	Cts/S	269.19	0.12515	215,090

SG5150-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:08:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2727	ug/L	0.1057	38.77	-29.26
Al3961_R		29.14	ug/L	5.010	17.19	12.28
As1891_A		37.18	ug/L	2.032	5.465	7.448
Au2427_A		1.049	ug/L	0.06264	5.971	-0.7986

SG5150-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:08:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		26.90	ug/L	0.9195	3.418	24.95
Ba4554_R		0.7746	ug/L	0.1044	13.48	11.59
Be3130_R		0.09139	ug/L	0.03256	35.63	-7.842
Ca3158_R	W	35,310	ug/L	966.6	2.737	28,190
Cd2265_A		-0.06633	ug/L	0.04814	72.57	-0.9297
Co2286_A		0.4399	ug/L	0.2260	51.38	9.132
Cr2677_A		0.8264	ug/L	0.04386	5.307	15.30
Cu3273_A		-0.8366	ug/L	0.08496	10.16	10.89
Fe2599_R		3.001	ug/L	5.362	178.7	8.378
K_7664_R		797.7	ug/L	25.25	3.165	344.5
Li6707_R		3.660	ug/L	3.092	84.48	36.39
Mg2025_A		1,997	ug/L	34.76	1.741	367.9
Mn2576_R		6.676	ug/L	0.8340	12.49	29.77
Mo2020_A		1.939	ug/L	0.1138	5.868	3.123
Na5895_R	W	77,500	ug/L	1,553	2.004	99,280
Ni2316_A		0.9144	ug/L	0.05536	6.054	0.1663
Pb2203_A		-0.09544	ug/L	0.4983	522.2	-0.3334
Sb2068_A		0.1072	ug/L	1.471	1,372	0.8702
Se1960_A		0.1968	ug/L	0.4135	210.2	-0.9497
Si2516_R		6,953	ug/L	243.3	3.499	1,701
Sn1899_A		0.9790	ug/L	1.520	155.3	0.4248
Sr4215_R		227.6	ug/L	5.541	2.435	9,358
Ti3349_A		-0.8647	ug/L	0.2982	34.49	-34.70
Tl1908_A		1.107	ug/L	0.2212	19.98	-0.1931
V_2924_A		0.8313	ug/L	0.006962	0.8375	0.1866
Zn2062_A		4.768	ug/L	0.1713	3.592	14.18
Y_3600_R		13,935	Cts/S	388.59	2.7886	13,935
Y_2243_A		6,924.0	Cts/S	93.028	1.3436	6,924.0
Y_3600_A		215,870	Cts/S	1,801.4	0.83448	215,870

SG5150-003

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:13:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3340	ug/L	0.2710	81.14	-17.12
Al3961_R		-6.451	ug/L	16.55	256.6	-4.279
As1891_A		18.47	ug/L	1.034	5.596	2.830
Au2427_A		0.3595	ug/L	0.7060	196.4	-2.748
B_2089_A		24.46	ug/L	0.3525	1.441	22.50
Ba4554_R		-0.1040	ug/L	0.2310	222.2	-15.55
Be3130_R		0.09528	ug/L	0.01558	16.35	-7.673
Ca3158_R		115.2	ug/L	1.008	0.8751	92.09
Cd2265_A		-0.08383	ug/L	0.006420	7.658	-1.125
Co2286_A		0.1585	ug/L	0.1109	69.98	8.096
Cr2677_A		0.5455	ug/L	0.05184	9.504	11.08
Cu3273_A		4.303	ug/L	0.8676	20.16	76.18
Fe2599_R		9.423	ug/L	2.105	22.34	14.29
K_7664_R		254.1	ug/L	18.09	7.119	70.26
Li6707_R		1.585	ug/L	3.819	241.0	20.47
Mg2025_A		13.06	ug/L	0.5654	4.329	1.966
Mn2576_R		1.861	ug/L	1.147	61.65	5.755
Mo2020_A		2.109	ug/L	0.1190	5.641	3.350
Na5895_R	W	116,200	ug/L	1,225	1.054	149,200
Ni2316_A		0.5763	ug/L	0.1164	20.19	-0.3906
Pb2203_A		0.2169	ug/L	0.7193	331.6	-0.05336
Sb2068_A		0.5120	ug/L	0.8454	165.1	0.9694

SG5150-003

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:13:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		-5.266	ug/L	0.2129	4.042	-1.776
Si2516_R		6,129	ug/L	18.33	0.2991	1,503
Sn1899_A		0.3771	ug/L	0.1321	35.02	0.1612
Sr4215_R		0.5858	ug/L	0.02521	4.304	-33.26
Ti3349_A		-0.05212	ug/L	0.3549	680.8	-13.97
Tl1908_A		0.5304	ug/L	0.3297	62.16	-0.4245
V_2924_A		0.07856	ug/L	0.1039	132.3	-8.282
Zn2062_A		16.46	ug/L	0.8523	5.179	45.36
Y_3600_R		13,956	Cts/S	153.09	1.0970	13,956
Y_2243_A		6,789.3	Cts/S	231.47	3.4093	6,789.3
Y_3600_A		209,000	Cts/S	3,260.5	1.5600	209,000

SG5288-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:17:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3399	ug/L	0.3814	112.2	-30.49
Al3961_R		141.3	ug/L	26.57	18.81	64.12
As1891_A		1.868	ug/L	0.7315	39.16	-1.177
Au2427_A		-0.1262	ug/L	1.296	1,027	-4.371
B_2089_A		13.26	ug/L	0.5298	3.996	13.91
Ba4554_R		27.10	ug/L	0.2311	0.8526	818.6
Be3130_R		0.05699	ug/L	0.02000	35.10	-9.576
Ca3158_R	W	76,920	ug/L	1,462	1.900	61,000
Cd2265_A		0.008232	ug/L	0.01323	160.7	0.002410
Co2286_A		-0.0002281	ug/L	0.1245	54,590	7.894
Cr2677_A		1.101	ug/L	0.2989	27.14	18.99
Cu3273_A		3.928	ug/L	0.3812	9.705	73.71
Fe2599_R		8.472	ug/L	0.3368	3.976	13.30
K_7664_R		383.6	ug/L	13.11	3.417	134.6
Li6707_R		-0.7897	ug/L	0.6129	77.61	1.368
Mg2025_A		1,740	ug/L	23.99	1.379	325.9
Mn2576_R		1.701	ug/L	0.7631	44.87	4.901
Mo2020_A		0.3593	ug/L	0.3706	103.2	0.3520
Na5895_R		5,707	ug/L	70.69	1.239	7,161
Ni2316_A		1.332	ug/L	0.04485	3.367	0.8774
Pb2203_A		-0.6057	ug/L	0.9934	164.0	-0.8384
Sb2068_A		0.06380	ug/L	0.02115	33.15	0.8706
Se1960_A		0.7612	ug/L	0.2709	35.59	-0.8748
Si2516_R		5,219	ug/L	86.34	1.654	1,270
Sn1899_A		0.9460	ug/L	0.4947	52.29	0.4224
Sr4215_R		94.11	ug/L	1.411	1.499	3,811
Ti3349_A		-0.2642	ug/L	0.2178	82.43	-19.66
Tl1908_A		-0.7402	ug/L	0.3913	52.86	-0.9785
V_2924_A		2.059	ug/L	0.1666	8.093	14.97
Zn2062_A		107.4	ug/L	0.7435	0.6924	301.1
Y_3600_R		13,842	Cts/S	308.51	2.2288	13,842
Y_2243_A		7,040.3	Cts/S	37.070	0.52654	7,040.3
Y_3600_A		215,420	Cts/S	696.81	0.32346	215,420

SG5060-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:22:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.7613	ug/L	1.018	133.8	-25.64

SG5060-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:22:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R		-24.46	ug/L	26.60	108.8	-3.155
As1891_A		4.739	ug/L	9.817	207.2	-1.357
Au2427_A		-4.127	ug/L	2.693	65.26	-6.304
B_2089_A		7.933	ug/L	2.965	37.38	4.485
Ba4554_R		11.85	ug/L	2.186	18.45	58.67
Be3130_R		0.1995	ug/L	0.09551	47.87	-10.23
Ca3158_R		12,180	ug/L	317.2	2.605	1,880
Cd2265_A		-0.1946	ug/L	0.1372	70.53	-0.5832
Co2286_A		0.6937	ug/L	0.8027	115.7	8.096
Cr2677_A		1.816	ug/L	0.3392	18.68	8.520
Cu3273_A		0.7473	ug/L	6.678	893.6	22.52
Fe2599_R		24.93	ug/L	7.741	31.05	9.884
K_7664_R		70,700	ug/L	991.1	1.402	6,838
Li6707_R		232.9	ug/L	18.97	8.146	364.3
Mg2025_A		6,826	ug/L	2.148	0.03146	248.4
Mn2576_R		10.39	ug/L	0.7594	7.311	6.641
Mo2020_A		77.43	ug/L	0.7804	1.008	26.56
Na5895_R	W	319,900	ug/L	7,527	2.353	79,220
Ni2316_A		9.892	ug/L	0.04224	0.4270	1.953
Pb2203_A		-3.289	ug/L	2.186	66.47	-0.8580
Sb2068_A		0.09110	ug/L	0.2664	292.5	0.8269
Se1960_A		-11.23	ug/L	4.578	40.75	-1.317
Si2516_R		6,980	ug/L	156.7	2.245	334.7
Sn1899_A		2.845	ug/L	2.638	92.71	0.2462
Sr4215_R		214.8	ug/L	7.913	3.683	1,663
Ti3349_A		-2.226	ug/L	0.2531	11.37	-22.82
Tl1908_A		2.554	ug/L	3.468	135.8	-0.4329
V_2924_A		0.2880	ug/L	0.5185	180.0	-9.648
Zn2062_A		15.72	ug/L	0.4229	2.690	9.595
Y_3600_R		13,473	Cts/S	360.79	2.6779	13,473
Y_2243_A		6,837.1	Cts/S	10.982	0.16062	6,837.1
Y_3600_A		204,930	Cts/S	4,289.2	2.0930	204,930

SG5041-012

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:26:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3581	ug/L	1.303	363.8	-81.07
Al3961_R		104.7	ug/L	8.306	7.934	45.47
As1891_A		332.8	ug/L	1.024	0.3076	74.26
Au2427_A		-0.7477	ug/L	0.07429	9.936	-43.71
B_2089_A		187.7	ug/L	1.018	0.5426	148.0
Ba4554_R		337.6	ug/L	3.028	0.8968	9,990
Be3130_R		0.08226	ug/L	0.04873	59.23	-7.723
Ca3158_R	W	253,500	ug/L	792.7	0.3127	194,300
Cd2265_A		-0.2157	ug/L	0.02551	11.83	8.947
Co2286_A		26.57	ug/L	0.1677	0.6311	86.27
Cr2677_A		2.622	ug/L	0.01644	0.6271	54.46
Cu3273_A		2.809	ug/L	0.2570	9.152	53.68
Fe2599_R		15,000	ug/L	133.1	0.8871	13,030
K_7664_R		23,490	ug/L	57.48	0.2447	11,320
Li6707_R		48.03	ug/L	0.6702	1.395	373.1
Mg2025_A	W	52,660	ug/L	47.11	0.08945	9,143
Mn2576_R	W	12,310	ug/L	109.0	0.8851	59,010
Mo2020_A		0.4173	ug/L	0.003190	0.7644	0.4195
Na5895_R	W	52,180	ug/L	407.1	0.7803	64,130

SG5041-012

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:26:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		28.53	ug/L	0.2546	0.8925	43.00
Pb2203_A		-0.1576	ug/L	0.5639	357.9	-0.03827
Sb2068_A		-0.9314	ug/L	1.653	177.5	0.5786
Se1960_A		0.2845	ug/L	2.208	776.0	0.4674
Si2516_R		15,760	ug/L	180.9	1.148	3,696
Sn1899_A		-0.2027	ug/L	0.2695	133.0	-0.08374
Sr4215_R	W	1,078	ug/L	5.070	0.4704	42,760
Ti3349_A		0.4122	ug/L	0.01389	3.370	-2.523
Tl1908_A		0.1838	ug/L	0.2271	123.5	-8.738
V_2924_A		14.49	ug/L	0.1950	1.346	-184.3
Zn2062_A		6.216	ug/L	0.0006104	0.009820	17.08
Y_3600_R		13,374	Cts/S	199.61	1.4925	13,374
Y_2243_A		6,514.9	Cts/S	10.594	0.16261	6,514.9
Y_3600_A		199,840	Cts/S	115.02	0.057553	199,840

PBWGG19ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:31:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.3258	ug/L	0.2656	81.54	-18.69
Al3961_R		8.314	ug/L	39.03	469.4	2.371
As1891_A		1.247	ug/L	0.6508	52.17	-1.368
Au2427_A		-0.2207	ug/L	0.4259	193.0	-4.781
B_2089_A		0.1551	ug/L	0.6873	443.2	3.017
Ba4554_R		0.04900	ug/L	0.3958	807.8	-10.63
Be3130_R		0.08402	ug/L	0.04029	47.95	-8.036
Ca3158_R	F	100.3	ug/L	9.071	9.040	78.34
Cd2265_A		-0.05073	ug/L	0.04573	90.14	-0.7649
Co2286_A		-0.04626	ug/L	0.006152	13.30	7.971
Cr2677_A		0.2000	ug/L	0.2459	122.9	7.060
Cu3273_A		-0.008134	ug/L	0.3601	4,427	22.78
Fe2599_R		12.74	ug/L	0.9351	7.340	16.88
K_7664_R		33.82	ug/L	0.7395	2.187	-40.05
Li6707_R		-2.401	ug/L	1.474	61.38	-11.20
Mg2025_A		32.84	ug/L	1.882	5.731	5.894
Mn2576_R	W	2.896	ug/L	0.3489	12.05	10.68
Mo2020_A		0.3081	ug/L	0.1066	34.59	0.2704
Na5895_R		67.51	ug/L	5.569	8.249	-24.02
Ni2316_A		1.975	ug/L	0.6943	35.16	2.030
Pb2203_A		0.5854	ug/L	0.03040	5.194	0.3137
Sb2068_A		1.759	ug/L	1.829	104.0	1.402
Se1960_A		-3.239	ug/L	1.047	32.32	-1.558
Si2516_R		18.72	ug/L	11.07	59.17	9.933
Sn1899_A		0.7636	ug/L	0.7411	97.05	0.3499
Sr4215_R		0.1258	ug/L	0.2208	175.5	-51.15
Ti3349_A		-0.03978	ug/L	0.1633	410.5	-14.69
Tl1908_A		0.5287	ug/L	1.491	282.0	-0.4523
V_2924_A		0.5398	ug/L	0.1770	32.79	-3.066
Zn2062_A		6.010	ug/L	0.05434	0.9042	18.39
Y_3600_R		13,619	Cts/S	256.41	1.8827	13,619
Y_2243_A		7,239.3	Cts/S	11.208	0.15482	7,239.3
Y_3600_A		225,680	Cts/S	1,641.7	0.72745	225,680

LCSWGG19ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM

LCSWGG19ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:35:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.09	ug/L	0.2963	0.5580	1,003
Al3961_R		2,060	ug/L	8.107	0.3935	949.1
As1891_A		97.43	ug/L	0.6571	0.6745	23.20
Au2427_A		-0.1098	ug/L	0.05971	54.39	-5.885
B_2089_A		522.8	ug/L	4.362	0.8344	460.9
Ba4554_R		2,066	ug/L	7.084	0.3430	62,910
Be3130_R		51.78	ug/L	0.2133	0.4121	2,675
Ca3158_R		2,531	ug/L	17.86	0.7056	1,994
Cd2265_A		252.4	ug/L	2.265	0.8974	3,293
Co2286_A		531.0	ug/L	4.862	0.9157	1,747
Cr2677_A		205.5	ug/L	1.486	0.7230	2,875
Cu3273_A		261.1	ug/L	1.862	0.7131	3,537
Fe2599_R		1,043	ug/L	0.4624	0.04432	937.2
K_7664_R		10,140	ug/L	22.98	0.2266	4,991
Li6707_R		494.6	ug/L	5.875	1.188	3,879
Mg2025_A		5,418	ug/L	50.48	0.9318	1,066
Mn2576_R		506.2	ug/L	2.446	0.4832	2,491
Mo2020_A	W	254.0	ug/L	12.45	4.901	465.3
Na5895_R		7,496	ug/L	74.18	0.9895	9,379
Ni2316_A		528.3	ug/L	5.338	1.010	925.0
Pb2203_A		105.7	ug/L	0.9583	0.9062	101.7
Sb2068_A		106.3	ug/L	1.696	1.595	31.61
Se1960_A		95.74	ug/L	3.144	3.284	14.79
Si2516_R		4,808	ug/L	40.44	0.8411	1,164
Sn1899_A		496.2	ug/L	1.736	0.3498	227.3
Sr4215_R		497.1	ug/L	2.795	0.5623	20,240
Ti3349_A		484.3	ug/L	5.633	1.163	12,420
Tl1908_A		103.7	ug/L	0.1385	0.1335	44.24
V_2924_A		503.5	ug/L	4.391	0.8722	6,036
Zn2062_A		531.9	ug/L	4.706	0.8847	1,527
Y_3600_R		13,751	Cts/S	123.48	0.89793	13,751
Y_2243_A		7,233.2	Cts/S	37.736	0.52170	7,233.2
Y_3600_A		220,930	Cts/S	591.28	0.26763	220,930

SG4973-008

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:40:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		157.1	ug/L	2.608	1.660	3,091
Al3961_R		3,721	ug/L	236.0	6.344	1,700
As1891_A		718.3	ug/L	9.833	1.369	180.7
Au2427_A		-0.9386	ug/L	0.08207	8.743	-6.984
B_2089_A	W	1,492	ug/L	5.430	0.3641	1,283
Ba4554_R		348.2	ug/L	17.53	5.034	10,560
Be3130_R		470.1	ug/L	23.75	5.052	24,370
Ca3158_R		-6.578	ug/L	0.5201	7.907	-5.914
Cd2265_A	W	1,040	ug/L	3.434	0.3301	13,540
Co2286_A		138.1	ug/L	0.5961	0.4316	459.0
Cr2677_A		822.4	ug/L	2.385	0.2900	11,740
Cu3273_A		743.9	ug/L	1.295	0.1741	10,300
Fe2599_R		3,038	ug/L	138.6	4.562	2,709
K_7664_R		31.09	ug/L	15.05	48.41	-41.57
Li6707_R		-1.054	ug/L	0.8010	76.00	-0.7560
Mg2025_A		10.64	ug/L	5.261	49.46	6.816
Mn2576_R		454.5	ug/L	20.82	4.582	2,229
Mo2020_A		6.544	ug/L	1.304	19.92	11.76

SG4973-008

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:40:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		35.54	ug/L	18.74	52.74	-64.88
Ni2316_A	W	1,362	ug/L	5.509	0.4045	2,380
Pb2203_A		887.5	ug/L	3.689	0.4156	856.8
Sb2068_A		662.7	ug/L	4.726	0.7132	201.0
Se1960_A		125.0	ug/L	0.7926	0.6339	19.52
Si2516_R		68.24	ug/L	33.00	48.36	21.65
Sn1899_A		2.142	ug/L	0.6761	31.57	0.9799
Sr4215_R		490.2	ug/L	23.62	4.818	19,900
Ti3349_A		0.8165	ug/L	0.03620	4.433	10.59
Tl1908_A		591.1	ug/L	3.008	0.5089	256.2
V_2924_A		250.7	ug/L	0.2489	0.09930	3,027
Zn2062_A	W	1,581	ug/L	7.352	0.4651	4,525
Y_3600_R		13,716	Cts/S	446.26	3.2536	13,716
Y_2243_A		7,215.9	Cts/S	42.026	0.58241	7,215.9
Y_3600_A		225,700	Cts/S	573.64	0.25416	225,700

SG4973-010

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:44:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		837.3	ug/L	0.4677	0.05586	16,210
Al3961_R		3,511	ug/L	55.24	1.574	1,602
As1891_A		685.8	ug/L	4.059	0.5918	169.4
Au2427_A		-1.044	ug/L	0.5113	48.97	-7.158
B_2089_A	W	1,385	ug/L	4.460	0.3220	1,171
Ba4554_R		330.1	ug/L	5.667	1.717	9,997
Be3130_R		444.6	ug/L	8.010	1.802	23,030
Ca3158_R		-8.790	ug/L	0.007929	0.09020	-7.623
Cd2265_A		981.7	ug/L	2.080	0.2119	12,550
Co2286_A		131.4	ug/L	0.1087	0.08272	429.5
Cr2677_A		797.6	ug/L	0.09276	0.01163	11,080
Cu3273_A		718.3	ug/L	0.1843	0.02566	9,680
Fe2599_R		2,895	ug/L	63.74	2.202	2,578
K_7664_R		26.43	ug/L	35.63	134.8	-44.03
Li6707_R		-3.423	ug/L	5.070	148.1	-18.88
Mg2025_A		4.711	ug/L	2.072	43.99	5.317
Mn2576_R		427.2	ug/L	6.574	1.539	2,093
Mo2020_A		3.162	ug/L	0.3063	9.689	5.464
Na5895_R		29.32	ug/L	8.745	29.82	-72.27
Ni2316_A	W	1,293	ug/L	2.049	0.1585	2,219
Pb2203_A		839.2	ug/L	1.936	0.2307	795.9
Sb2068_A		622.5	ug/L	3.681	0.5914	185.7
Se1960_A		121.1	ug/L	0.5219	0.4310	18.54
Si2516_R		83.65	ug/L	6.217	7.432	25.42
Sn1899_A		0.9569	ug/L	0.6282	65.65	0.4299
Sr4215_R		465.0	ug/L	6.918	1.488	18,850
Ti3349_A		0.2286	ug/L	0.2625	114.8	-4.811
Tl1908_A		554.6	ug/L	1.994	0.3595	236.1
V_2924_A		242.9	ug/L	0.9215	0.3794	2,855
Zn2062_A	W	1,490	ug/L	5.773	0.3874	4,192
Y_3600_R		13,689	Cts/S	164.60	1.2025	13,689
Y_2243_A		7,089.1	Cts/S	11.552	0.16296	7,089.1
Y_3600_A		219,640	Cts/S	159.82	0.072767	219,640

CCV

Method Name: K6010-2011 Method Revision: 845

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:49:03PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		494.9	ug/L	0.4436	0.08964	9,182
Al3961_R		12,950	ug/L	116.6	0.9009	5,720
As1891_A		504.3	ug/L	2.185	0.4333	121.3
Au2427_A		495.7	ug/L	0.5997	0.1210	1,487
B_2089_A		508.0	ug/L	0.2362	0.04649	437.6
Ba4554_R		522.0	ug/L	4.846	0.9284	15,280
Be3130_R		518.4	ug/L	1.766	0.3407	25,930
Ca3158_R		12,800	ug/L	142.6	1.114	9,699
Cd2265_A		501.9	ug/L	0.06743	0.01343	6,289
Co2286_A		508.7	ug/L	0.8234	0.1619	1,606
Cr2677_A		497.9	ug/L	1.057	0.2123	6,678
Cu3273_A		496.7	ug/L	0.5246	0.1056	6,453
Fe2599_R		12,920	ug/L	32.40	0.2507	11,100
K_7664_R		12,880	ug/L	100.4	0.7792	6,111
Li6707_R		508.8	ug/L	4.263	0.8377	3,838
Mg2025_A		12,860	ug/L	10.65	0.08282	2,398
Mn2576_R		511.9	ug/L	3.470	0.6779	2,423
Mo2020_A		500.7	ug/L	3.410	0.6810	880.4
Na5895_R		12,790	ug/L	166.8	1.304	15,470
Ni2316_A		503.7	ug/L	0.5031	0.09988	845.8
Pb2203_A		509.2	ug/L	0.06322	0.01241	471.0
Sb2068_A		506.2	ug/L	2.004	0.3958	146.0
Se1960_A		500.2	ug/L	1.709	0.3416	77.97
Si2516_R		12,620	ug/L	67.60	0.5355	2,930
Sn1899_A		502.5	ug/L	1.839	0.3659	220.8
Sr4215_R		509.1	ug/L	3.676	0.7220	19,940
Ti3349_A		489.9	ug/L	0.4411	0.09005	12,060
Tl1908_A		516.6	ug/L	2.761	0.5344	215.2
V_2924_A		491.5	ug/L	1.247	0.2537	5,616
Zn2062_A		504.9	ug/L	0.4127	0.08174	1,390
Y_3600_R		13,226	Cts/S	202.18	1.5287	13,226
Y_2243_A		6,938.1	Cts/S	1.2144	0.017503	6,938.1
Y_3600_A		212,020	Cts/S	646.76	0.30505	212,020

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:53:23PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2360	ug/L	0.03600	15.26	-19.69
Al3961_R		7.178	ug/L	4.151	57.83	2.046
As1891_A		1.200	ug/L	0.7885	65.71	-1.340
Au2427_A		0.2607	ug/L	0.8427	323.3	-3.185
B_2089_A		3.237	ug/L	0.02702	0.8348	5.621
Ba4554_R		-0.4073	ug/L	0.03829	9.400	-23.84
Be3130_R		0.1794	ug/L	0.05763	32.13	-3.097
Ca3158_R		-8.172	ug/L	0.8549	10.46	-6.299
Cd2265_A		0.07818	ug/L	0.09741	124.6	0.8875
Co2286_A		0.1242	ug/L	0.1673	134.7	8.289
Cr2677_A		0.3761	ug/L	0.08270	21.99	9.199
Cu3273_A		-0.7090	ug/L	0.3086	43.52	12.63
Fe2599_R		3.004	ug/L	1.115	37.11	8.107
K_7664_R		27.72	ug/L	10.06	36.31	-42.25
Li6707_R		0.2189	ug/L	2.270	1,037	8.997
Mg2025_A		2.770	ug/L	3.044	109.9	0.1146
Mn2576_R		0.6612	ug/L	0.6351	96.05	-0.2157
Mo2020_A		3.744	ug/L	0.7009	18.72	6.390

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:53:23PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		25.29	ug/L	5.291	20.92	-75.49
Ni2316_A		0.3029	ug/L	0.09456	31.22	-0.8705
Pb2203_A		-0.08015	ug/L	1.502	1,874	-0.3280
Sb2068_A		1.024	ug/L	0.3676	35.92	1.148
Se1960_A		-1.961	ug/L	0.8090	41.25	-1.310
Si2516_R		-2.059	ug/L	5.055	245.5	4.868
Sn1899_A		0.6958	ug/L	0.2868	41.22	0.3100
Sr4215_R		0.5136	ug/L	0.1777	34.59	-34.75
Ti3349_A		0.2322	ug/L	0.1485	63.97	-7.245
Tl1908_A		1.705	ug/L	0.1860	10.91	0.06184
V_2924_A		0.7043	ug/L	0.2612	37.09	-1.283
Zn2062_A		0.1819	ug/L	0.1511	83.10	1.605
Y_3600_R		13,367	Cts/S	80.648	0.60334	13,367
Y_2243_A		7,036.4	Cts/S	11.942	0.16972	7,036.4
Y_3600_A		217,230	Cts/S	954.10	0.43921	217,230

SG5132-002S

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 3:57:56PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.99	ug/L	0.3061	0.5888	902.2
Al3961_R		2,304	ug/L	108.7	4.717	989.0
As1891_A		102.7	ug/L	5.949	5.791	22.96
Au2427_A		-0.3366	ug/L	0.4857	144.3	-12.42
B_2089_A		517.3	ug/L	11.81	2.283	428.1
Ba4554_R	W	2,395	ug/L	130.1	5.432	67,930
Be3130_R		57.53	ug/L	3.103	5.393	2,770
Ca3158_R	W	163,500	ug/L	8,377	5.125	120,000
Cd2265_A		246.3	ug/L	5.952	2.417	3,005
Co2286_A		515.4	ug/L	12.24	2.374	1,587
Cr2677_A		208.1	ug/L	0.3286	0.1580	2,684
Cu3273_A		265.1	ug/L	0.7953	0.3000	3,309
Fe2599_R		1,407	ug/L	86.84	6.172	1,175
K_7664_R		17,330	ug/L	895.6	5.167	7,981
Li6707_R		582.5	ug/L	28.10	4.824	4,254
Mg2025_A	W	28,890	ug/L	724.4	2.507	5,228
Mn2576_R	W	2,153	ug/L	116.1	5.389	9,879
Mo2020_A		305.6	ug/L	9.551	3.126	523.5
Na5895_R	W	52,950	ug/L	2,480	4.683	62,330
Ni2316_A		513.7	ug/L	11.83	2.302	841.1
Pb2203_A		99.23	ug/L	3.106	3.130	89.10
Sb2068_A		104.9	ug/L	0.5377	0.5125	29.15
Se1960_A		104.1	ug/L	6.850	6.577	15.31
Si2516_R		15,100	ug/L	821.3	5.439	3,392
Sn1899_A		501.9	ug/L	14.31	2.851	215.0
Sr4215_R	W	1,282	ug/L	64.51	5.032	48,700
Ti3349_A		508.4	ug/L	3.246	0.6385	12,010
Tl1908_A		96.73	ug/L	0.3281	0.3392	37.36
V_2924_A		523.2	ug/L	4.513	0.8625	5,730
Zn2062_A		519.4	ug/L	12.81	2.467	1,395
Y_3600_R		12,820	Cts/S	543.28	4.2379	12,820
Y_2243_A		6,765.9	Cts/S	119.15	1.7610	6,765.9
Y_3600_A		203,540	Cts/S	1,016.9	0.49959	203,540

SG5132-003

Method Name: K6010-2011 Method Revision: 845

SG5132-003

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:02:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.701	ug/L	1.141	67.09	-399.1
Al3961_R		70.42	ug/L	4.553	6.465	30.51
As1891_A		4.863	ug/L	2.747	56.48	-3.815
Au2427_A		-2.410	ug/L	0.4575	18.98	32.20
B_2089_A		4.610	ug/L	0.2585	5.606	6.649
Ba4554_R		23.79	ug/L	1.914	8.048	696.9
Be3130_R		0.1621	ug/L	0.04915	30.31	-3.920
Ca3158_R		21,440	ug/L	1,495	6.974	16,530
Cd2265_A		-0.1472	ug/L	0.5131	348.6	70.11
Co2286_A		0.9706	ug/L	0.1258	12.96	15.43
Cr2677_A		3.701	ug/L	0.8213	22.19	59.88
Cu3273_A		-0.7174	ug/L	0.2871	40.02	5.978
Fe2599_R	W	87,060	ug/L	6,148	7.062	76,070
K_7664_R		2,245	ug/L	78.91	3.515	1,038
Li6707_R		1.687	ug/L	0.6394	37.90	20.49
Mg2025_A		1,046	ug/L	12.78	1.222	195.1
Mn2576_R	W	2,300	ug/L	165.4	7.191	11,090
Mo2020_A		1.901	ug/L	0.3262	17.16	3.072
Na5895_R		2,781	ug/L	157.5	5.663	3,338
Ni2316_A		0.5745	ug/L	0.3514	61.16	-5.034
Pb2203_A		0.09762	ug/L	1.080	1,106	1.907
Sb2068_A		1.274	ug/L	0.1528	12.00	1.556
Se1960_A		0.7053	ug/L	0.1786	25.33	-0.8785
Si2516_R		4,301	ug/L	270.0	6.277	1,016
Sn1899_A		0.7934	ug/L	0.2930	36.93	0.3499
Sr4215_R		52.31	ug/L	3.367	6.436	2,035
Ti3349_A		-0.05881	ug/L	0.2790	474.5	-14.26
Tl1908_A		-0.06408	ug/L	0.4818	751.8	-2.302
V_2924_A		6.625	ug/L	0.7676	11.59	23.83
Zn2062_A		3.791	ug/L	0.03889	1.026	11.56
Y_3600_R		13,477	Cts/S	589.05	4.3708	13,477
Y_2243_A		6,970.7	Cts/S	43.511	0.62419	6,970.7
Y_3600_A		216,590	Cts/S	18,578	8.5777	216,590

SG5132-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:06:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.099	ug/L	0.3491	31.78	-26.06
Al3961_R		496.5	ug/L	39.01	7.856	42.10
As1891_A		12.16	ug/L	2.860	23.51	-0.9472
Au2427_A		-3.713	ug/L	1.909	51.41	-34.42
B_2089_A		190.2	ug/L	0.1772	0.09317	31.96
Ba4554_R		106.8	ug/L	2.968	2.780	604.6
Be3130_R		0.5245	ug/L	0.1485	28.31	-6.502
Ca3158_R	W	1,105,000	ug/L	15,080	1.365	165,000
Cd2265_A		-0.4549	ug/L	0.2152	47.31	-1.131
Co2286_A		13.16	ug/L	0.1522	1.157	14.90
Cr2677_A		15.77	ug/L	0.04082	0.2588	53.78
Cu3273_A		22.41	ug/L	2.516	11.23	74.35
Fe2599_R		232.3	ug/L	14.94	6.431	44.65
K_7664_R		39,800	ug/L	617.1	1.551	3,698
Li6707_R		272.9	ug/L	15.20	5.568	411.9
Mg2025_A	W	128,100	ug/L	1,140	0.8900	4,401
Mn2576_R	W	38,520	ug/L	460.3	1.195	35,960
Mo2020_A		39.82	ug/L	0.3761	0.9446	12.75

SG5132-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:06:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	986,800	ug/L	1,087	0.1101	236,500
Ni2316_A		44.05	ug/L	1.062	2.411	12.50
Pb2203_A		-2.414	ug/L	0.4236	17.55	-0.6617
Sb2068_A		-6.423	ug/L	11.18	174.1	0.4390
Se1960_A		21.88	ug/L	14.27	65.24	0.5961
Si2516_R		48,240	ug/L	597.1	1.238	2,206
Sn1899_A		3.487	ug/L	0.6264	17.97	0.2849
Sr4215_R		4,383	ug/L	52.28	1.193	33,850
Ti3349_A		0.1859	ug/L	0.1543	82.99	-11.03
Tl1908_A		1.020	ug/L	7.119	697.8	-5.618
V_2924_A		47.11	ug/L	0.7327	1.555	-116.5
Zn2062_A		16.51	ug/L	0.2424	1.468	9.445
Y_3600_R		13,024	Cts/S	86.232	0.66209	13,024
Y_2243_A		6,446.8	Cts/S	41.097	0.63748	6,446.8
Y_3600_A		197,710	Cts/S	673.16	0.34048	197,710

PBSGG23ICS1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:11:20PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.7250	ug/L	0.07429	10.25	-38.59
Al3961_R		3.828	ug/L	4.209	109.9	0.5268
As1891_A		1.022	ug/L	0.3581	35.03	-1.392
Au2427_A		-0.1126	ug/L	1.384	1,229	-4.321
B_2089_A		1.315	ug/L	0.03978	3.026	3.949
Ba4554_R		0.4104	ug/L	0.2766	67.39	0.4192
Be3130_R		0.09390	ug/L	0.1053	112.2	-7.591
Ca3158_R		63.52	ug/L	1.176	1.851	49.83
Cd2265_A		-0.01315	ug/L	0.01792	136.3	-0.2614
Co2286_A		-0.1082	ug/L	0.04718	43.60	7.591
Cr2677_A		1.009	ug/L	0.09348	9.261	18.08
Cu3273_A		-0.2624	ug/L	0.1437	54.75	18.74
Fe2599_R		18.76	ug/L	1.002	5.338	22.32
K_7664_R		46.93	ug/L	13.08	27.86	-33.82
Li6707_R		-1.397	ug/L	4.062	290.7	-3.201
Mg2025_A		21.59	ug/L	1.157	5.358	3.639
Mn2576_R		1.449	ug/L	0.5716	39.45	3.645
Mo2020_A		1.109	ug/L	0.2660	23.98	1.699
Na5895_R		45.43	ug/L	1.512	3.328	-51.94
Ni2316_A		0.7997	ug/L	0.07061	8.830	-0.02944
Pb2203_A		-0.5231	ug/L	0.06385	12.21	-0.7445
Sb2068_A		1.169	ug/L	0.9176	78.47	1.143
Se1960_A		-0.3835	ug/L	3.254	848.6	-1.061
Si2516_R		27.04	ug/L	2.249	8.315	11.96
Sn1899_A		20.46	ug/L	0.2175	1.063	9.165
Sr4215_R		0.3974	ug/L	0.06919	17.41	-40.31
Ti3349_A		0.3598	ug/L	0.2898	80.53	-4.093
Tl1908_A		-0.1610	ug/L	0.06397	39.73	-0.7345
V_2924_A		0.1027	ug/L	0.4128	401.9	-8.329
Zn2062_A		1.052	ug/L	0.1017	9.665	4.054
Y_3600_R		13,700	Cts/S	114.06	0.83258	13,700
Y_2243_A		7,071.6	Cts/S	37.898	0.53591	7,071.6
Y_3600_A		219,430	Cts/S	631.16	0.28763	219,430

LCSOGG23ICS1

Method Name: K6010-2011 Method Revision: 845

LCSOGG23ICS1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:15:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		48.89	ug/L	0.5702	1.166	886.2
Al3961_R		1,993	ug/L	41.23	2.069	892.1
As1891_A		95.66	ug/L	1.091	1.140	21.92
Au2427_A		-0.5860	ug/L	1.481	252.8	-7.079
B_2089_A		488.8	ug/L	0.2582	0.05281	416.9
Ba4554_R		2,018	ug/L	4.196	0.2080	59,660
Be3130_R		50.67	ug/L	0.2738	0.5404	2,541
Ca3158_R		2,603	ug/L	13.21	0.5076	1,991
Cd2265_A		242.8	ug/L	0.4020	0.1656	3,050
Co2286_A		508.8	ug/L	0.8980	0.1765	1,612
Cr2677_A		197.3	ug/L	2.507	1.270	2,657
Cu3273_A		249.9	ug/L	4.505	1.802	3,259
Fe2599_R		1,021	ug/L	8.486	0.8310	890.7
K_7664_R		10,050	ug/L	4.421	0.04399	4,801
Li6707_R		493.5	ug/L	0.2467	0.05000	3,759
Mg2025_A		5,060	ug/L	6.133	0.1212	959.2
Mn2576_R		499.3	ug/L	1.947	0.3898	2,386
Mo2020_A		293.8	ug/L	0.3142	0.1069	518.4
Na5895_R		7,409	ug/L	35.03	0.4728	8,999
Ni2316_A		502.4	ug/L	1.798	0.3578	847.1
Pb2203_A		101.3	ug/L	1.117	1.102	93.77
Sb2068_A		100.3	ug/L	0.4767	0.4754	28.61
Se1960_A		93.53	ug/L	0.1679	0.1795	13.89
Si2516_R	F	2,880	ug/L	28.01	0.9724	679.6
Sn1899_A		515.8	ug/L	0.7069	0.1371	227.5
Sr4215_R		493.0	ug/L	1.015	0.2059	19,490
Ti3349_A		483.8	ug/L	7.687	1.589	11,940
Tl1908_A		98.61	ug/L	1.410	1.430	40.46
V_2924_A		487.3	ug/L	7.657	1.571	5,618
Zn2062_A		497.8	ug/L	0.1900	0.03818	1,377
Y_3600_R		13,351	Cts/S	52.731	0.39496	13,351
Y_2243_A		6,965.3	Cts/S	18.116	0.26009	6,965.3
Y_3600_A		212,640	Cts/S	2,386.1	1.1221	212,640

SG4790-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:20:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.513	ug/L	0.7503	49.58	-336.9
Al3961_R	W	43,210	ug/L	597.4	1.383	19,610
As1891_A		42.26	ug/L	0.3623	0.8574	6.106
Au2427_A		-1.617	ug/L	0.7209	44.59	30.31
B_2089_A		13.95	ug/L	0.2861	2.052	14.64
Ba4554_R		139.1	ug/L	1.060	0.7619	4,179
Be3130_R		1.724	ug/L	0.005405	0.3134	-45.96
Ca3158_R		4,788	ug/L	69.53	1.452	3,733
Cd2265_A		0.3232	ug/L	0.008512	2.634	64.44
Co2286_A		9.369	ug/L	0.2193	2.341	68.04
Cr2677_A		68.53	ug/L	1.456	2.124	935.5
Cu3273_A		53.97	ug/L	0.3723	0.6899	603.2
Fe2599_R	W	67,480	ug/L	434.7	0.6442	59,610
K_7664_R		3,476	ug/L	17.07	0.4910	1,655
Li6707_R		46.64	ug/L	0.3640	0.7803	368.8
Mg2025_A		6,363	ug/L	59.60	0.9366	1,193
Mn2576_R		519.7	ug/L	6.843	1.317	2,535
Mo2020_A		5.895	ug/L	0.01633	0.2770	10.15

SG4790-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:20:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		561.8	ug/L	11.43	2.034	595.3
Ni2316_A		46.42	ug/L	0.1718	0.3702	74.09
Pb2203_A	W	5,568	ug/L	46.52	0.8356	5,239
Sb2068_A		7.371	ug/L	0.03838	0.5207	3.529
Se1960_A		3.202	ug/L	1.772	55.34	-0.8297
Si2516_R		2,707	ug/L	6.475	0.2392	648.8
Sn1899_A		29.31	ug/L	0.2669	0.9109	13.05
Sr4215_R		44.78	ug/L	0.5231	1.168	1,753
Ti3349_A	W	3,607	ug/L	39.10	1.084	89,860
Tl1908_A		0.2854	ug/L	0.2322	81.37	-2.689
V_2924_A		249.3	ug/L	3.075	1.233	2,948
Zn2062_A		118.0	ug/L	0.9830	0.8331	330.1
Y_3600_R		13,606	Cts/S	95.810	0.70419	13,606
Y_2243_A		7,030.3	Cts/S	47.108	0.67007	7,030.3
Y_3600_A		214,480	Cts/S	2,029.1	0.94609	214,480

SG4790-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:24:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.344	ug/L	0.2058	15.31	-308.8
Al3961_R	W	37,870	ug/L	710.4	1.876	17,100
As1891_A		34.69	ug/L	1.144	3.297	4.423
Au2427_A		-2.365	ug/L	0.4087	17.29	24.31
B_2089_A		10.17	ug/L	0.1304	1.282	11.28
Ba4554_R		66.86	ug/L	1.614	2.414	1,992
Be3130_R		1.295	ug/L	0.1197	9.246	-44.47
Ca3158_R		2,128	ug/L	34.03	1.599	1,650
Cd2265_A		0.1943	ug/L	0.2080	107.0	56.03
Co2286_A		8.163	ug/L	0.6975	8.545	58.10
Cr2677_A		55.14	ug/L	0.5719	1.037	760.4
Cu3273_A		50.42	ug/L	0.5808	1.152	585.1
Fe2599_R	W	61,250	ug/L	1,375	2.244	53,810
K_7664_R		2,166	ug/L	16.66	0.7689	1,005
Li6707_R		44.58	ug/L	2.204	4.944	350.8
Mg2025_A		5,259	ug/L	133.1	2.531	972.0
Mn2576_R		408.2	ug/L	6.969	1.707	1,980
Mo2020_A		4.759	ug/L	0.08663	1.820	8.004
Na5895_R		444.7	ug/L	2.214	0.4978	446.0
Ni2316_A		34.62	ug/L	0.6455	1.865	53.53
Pb2203_A		934.8	ug/L	20.08	2.148	864.3
Sb2068_A		5.664	ug/L	0.3216	5.678	2.906
Se1960_A		4.232	ug/L	0.7904	18.68	-0.6249
Si2516_R		2,513	ug/L	30.48	1.213	599.4
Sn1899_A		28.24	ug/L	1.183	4.190	12.39
Sr4215_R		23.55	ug/L	0.5134	2.180	890.6
Ti3349_A	W	2,946	ug/L	34.58	1.174	74,030
Tl1908_A		-0.3688	ug/L	0.1404	38.06	-2.543
V_2924_A		250.7	ug/L	2.604	1.039	2,988
Zn2062_A		108.1	ug/L	2.523	2.334	298.1
Y_3600_R		13,530	Cts/S	33.777	0.24964	13,530
Y_2243_A		6,929.0	Cts/S	95.807	1.3827	6,929.0
Y_3600_A		216,340	Cts/S	1,331.6	0.61552	216,340

SG4790-005

Method Name: K6010-2011 Method Revision: 845

SG4790-005

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:29:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.789	ug/L	0.4346	24.29	-342.7
Al3961_R	W	53,450	ug/L	641.7	1.201	24,490
As1891_A		27.36	ug/L	0.3390	1.239	2.357
Au2427_A		0.01696	ug/L	1.166	6,876	36.50
B_2089_A		11.11	ug/L	0.4234	3.810	12.39
Ba4554_R		927.8	ug/L	6.195	0.6677	28,210
Be3130_R		2.008	ug/L	0.07845	3.906	-30.99
Ca3158_R		8,173	ug/L	95.28	1.166	6,432
Cd2265_A		1.826	ug/L	0.003578	0.1959	86.19
Co2286_A		18.68	ug/L	0.1395	0.7471	98.72
Cr2677_A		78.90	ug/L	1.351	1.712	1,084
Cu3273_A		74.27	ug/L	1.378	1.855	878.1
Fe2599_R	W	69,410	ug/L	317.7	0.4578	61,900
K_7664_R		3,999	ug/L	33.97	0.8494	1,931
Li6707_R		49.84	ug/L	1.913	3.838	397.3
Mg2025_A		7,815	ug/L	55.33	0.7081	1,485
Mn2576_R		631.9	ug/L	7.888	1.248	3,111
Mo2020_A		4.586	ug/L	0.03843	0.8379	7.932
Na5895_R		679.5	ug/L	7.597	1.118	749.6
Ni2316_A		57.03	ug/L	0.5341	0.9364	93.29
Pb2203_A		629.9	ug/L	3.234	0.5134	596.1
Sb2068_A		3.304	ug/L	0.2899	8.773	2.460
Se1960_A		6.624	ug/L	1.038	15.67	-0.3186
Si2516_R		2,942	ug/L	37.19	1.264	711.5
Sn1899_A		31.96	ug/L	0.9368	2.931	14.42
Sr4215_R		65.92	ug/L	0.1969	0.2987	2,632
Ti3349_A	W	3,570	ug/L	41.37	1.159	89,530
Tl1908_A		-0.2253	ug/L	0.7660	340.1	-2.976
V_2924_A		215.9	ug/L	1.845	0.8544	2,570
Zn2062_A		232.8	ug/L	1.874	0.8050	659.1
Y_3600_R		13,734	Cts/S	47.784	0.34791	13,734
Y_2243_A		7,124.0	Cts/S	8.1384	0.11424	7,124.0
Y_3600_A		215,930	Cts/S	1,807.2	0.83694	215,930

SG4790-006

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:33:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.298	ug/L	0.2596	11.30	-445.4
Al3961_R	W	56,000	ug/L	1,196	2.136	25,550
As1891_A		43.91	ug/L	0.1425	0.3245	5.677
Au2427_A		-2.807	ug/L	1.730	61.63	41.38
B_2089_A		8.831	ug/L	0.4454	5.044	10.53
Ba4554_R		216.0	ug/L	4.416	2.045	6,531
Be3130_R		2.539	ug/L	0.02773	1.092	-39.04
Ca3158_R		3,953	ug/L	111.4	2.819	3,098
Cd2265_A		0.2577	ug/L	0.1848	71.68	85.64
Co2286_A		18.73	ug/L	0.1712	0.9140	108.4
Cr2677_A		90.34	ug/L	0.3947	0.4369	1,252
Cu3273_A		74.09	ug/L	0.6727	0.9081	844.4
Fe2599_R	W	90,750	ug/L	1,519	1.673	80,600
K_7664_R		3,665	ug/L	101.8	2.778	1,758
Li6707_R		64.56	ug/L	0.5095	0.7893	510.5
Mg2025_A		8,892	ug/L	8.825	0.09925	1,696
Mn2576_R		578.0	ug/L	13.40	2.319	2,835
Mo2020_A		5.681	ug/L	0.04506	0.7932	9.911

SG4790-006

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:33:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		795.4	ug/L	2.878	0.3619	892.7
Ni2316_A		66.07	ug/L	0.6080	0.9203	108.1
Pb2203_A	W	3,378	ug/L	0.3375	0.009989	3,231
Sb2068_A		7.815	ug/L	0.1998	2.557	3.923
Se1960_A		2.062	ug/L	0.8653	41.97	-1.155
Si2516_R		3,022	ug/L	45.21	1.496	727.3
Sn1899_A		30.10	ug/L	0.4039	1.342	13.63
Sr4215_R		40.55	ug/L	0.6928	1.709	1,591
Ti3349_A	W	4,633	ug/L	12.96	0.2797	117,300
Tl1908_A		0.5888	ug/L	0.8862	150.5	-3.151
V_2924_A		319.3	ug/L	0.7572	0.2372	3,844
Zn2062_A		139.1	ug/L	0.08719	0.06266	395.6
Y_3600_R		13,683	Cts/S	415.22	3.0347	13,683
Y_2243_A		7,149.1	Cts/S	5.6203	0.078615	7,149.1
Y_3600_A		217,950	Cts/S	125.75	0.057698	217,950

SG4790-006L

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:38:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.045	ug/L	0.7854	25.79	-107.1
Al3961_R		55,710	ug/L	1,267	2.274	5,051
As1891_A		46.26	ug/L	0.9761	2.110	-0.08497
Au2427_A		-2.695	ug/L	0.2970	11.02	5.225
B_2089_A		6.299	ug/L	2.092	33.21	3.960
Ba4554_R		213.6	ug/L	3.830	1.793	1,274
Be3130_R		2.395	ug/L	0.7675	32.05	-18.97
Ca3158_R		3,908	ug/L	14.66	0.3753	608.7
Cd2265_A		-0.07044	ug/L	0.1234	175.2	16.35
Co2286_A		18.66	ug/L	0.8503	4.557	28.06
Cr2677_A		92.66	ug/L	1.716	1.852	261.8
Cu3273_A		71.42	ug/L	4.068	5.696	180.8
Fe2599_R		91,630	ug/L	844.0	0.9211	16,180
K_7664_R		3,634	ug/L	166.7	4.587	300.9
Li6707_R		54.63	ug/L	9.245	16.93	92.01
Mg2025_A		9,288	ug/L	33.16	0.3571	354.4
Mn2576_R		583.5	ug/L	2.305	0.3950	566.1
Mo2020_A		7.151	ug/L	0.4025	5.629	2.284
Na5895_R		849.9	ug/L	110.3	12.98	104.4
Ni2316_A		69.07	ug/L	1.159	1.677	21.55
Pb2203_A		3,504	ug/L	10.23	0.2920	670.7
Sb2068_A		7.749	ug/L	8.341	107.6	1.477
Se1960_A		-12.15	ug/L	13.90	114.4	-1.504
Si2516_R		2,952	ug/L	6.458	0.2188	145.5
Sn1899_A		30.91	ug/L	0.7849	2.539	2.803
Sr4215_R		40.28	ug/L	2.225	5.525	269.1
Ti3349_A		4,606	ug/L	10.89	0.2365	23,460
Tl1908_A		-0.8630	ug/L	6.898	799.3	-1.293
V_2924_A		319.1	ug/L	2.607	0.8170	765.9
Zn2062_A		145.6	ug/L	0.09404	0.06460	83.75
Y_3600_R		13,592	Cts/S	76.318	0.56148	13,592
Y_2243_A		7,157.5	Cts/S	11.943	0.16686	7,157.5
Y_3600_A		219,380	Cts/S	7.6993	0.0035096	219,380

CCV

Method Name: K6010-2011 Method Revision: 845

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:42:33PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		492.7	ug/L	6.561	1.332	9,188
Al3961_R		12,640	ug/L	234.2	1.853	5,684
As1891_A		497.2	ug/L	5.325	1.071	120.0
Au2427_A		492.4	ug/L	3.520	0.7149	1,482
B_2089_A		501.1	ug/L	2.541	0.5070	433.6
Ba4554_R		506.2	ug/L	11.24	2.220	15,080
Be3130_R		503.1	ug/L	12.27	2.439	25,600
Ca3158_R		12,500	ug/L	314.5	2.516	9,638
Cd2265_A		497.6	ug/L	0.3564	0.07162	6,261
Co2286_A		505.5	ug/L	0.1491	0.02949	1,603
Cr2677_A		495.2	ug/L	7.093	1.432	6,675
Cu3273_A		494.5	ug/L	7.098	1.435	6,457
Fe2599_R		12,530	ug/L	295.4	2.358	10,950
K_7664_R		12,530	ug/L	285.9	2.282	6,045
Li6707_R		499.2	ug/L	12.08	2.420	3,832
Mg2025_A		12,770	ug/L	21.92	0.1716	2,393
Mn2576_R		500.1	ug/L	10.37	2.073	2,409
Mo2020_A		494.4	ug/L	3.243	0.6558	872.9
Na5895_R		12,460	ug/L	303.3	2.434	15,330
Ni2316_A		499.2	ug/L	0.6780	0.1358	841.7
Pb2203_A		504.4	ug/L	0.3440	0.06820	468.4
Sb2068_A		504.2	ug/L	0.5734	0.1137	146.0
Se1960_A		498.0	ug/L	6.196	1.244	77.94
Si2516_R		12,230	ug/L	334.1	2.733	2,888
Sn1899_A		499.1	ug/L	0.4470	0.08957	220.2
Sr4215_R		494.5	ug/L	11.88	2.403	19,710
Ti3349_A		488.7	ug/L	5.353	1.095	12,090
Tl1908_A		509.6	ug/L	0.4811	0.09441	213.1
V_2924_A		488.4	ug/L	5.410	1.108	5,609
Zn2062_A		501.5	ug/L	0.2879	0.05740	1,386
Y_3600_R		13,456	Cts/S	111.06	0.82540	13,456
Y_2243_A		6,966.8	Cts/S	15.329	0.22004	6,966.8
Y_3600_A		213,100	Cts/S	1,839.3	0.86314	213,100

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:46:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2093	ug/L	0.3551	169.6	-20.40
Al3961_R		-8.700	ug/L	22.71	261.1	-5.071
As1891_A		0.6847	ug/L	1.207	176.2	-1.476
Au2427_A		0.1368	ug/L	2.170	1,586	-3.611
B_2089_A		0.8294	ug/L	0.4076	49.14	3.595
Ba4554_R		-0.009421	ug/L	0.8405	8,921	-11.98
Be3130_R		0.1032	ug/L	0.07102	68.81	-6.942
Ca3158_R		-9.840	ug/L	9.464	96.18	-7.595
Cd2265_A		0.07909	ug/L	0.1066	134.7	0.8946
Co2286_A		0.2358	ug/L	0.3306	140.2	8.679
Cr2677_A		0.2786	ug/L	0.004926	1.768	7.929
Cu3273_A		-0.6460	ug/L	0.5028	77.83	13.59
Fe2599_R		2.543	ug/L	0.1236	4.861	7.700
K_7664_R		18.08	ug/L	38.39	212.3	-46.85
Li6707_R		-1.876	ug/L	2.382	127.0	-6.839
Mg2025_A		3.626	ug/L	0.3076	8.482	0.2770
Mn2576_R		0.7579	ug/L	0.7189	94.85	0.2465
Mo2020_A		2.930	ug/L	0.8200	27.99	4.953

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:46:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		3.570	ug/L	0.5598	15.68	-102.1
Ni2316_A		0.4807	ug/L	0.1773	36.88	-0.5732
Pb2203_A		0.7232	ug/L	0.3937	54.43	0.4373
Sb2068_A		1.026	ug/L	1.493	145.5	1.155
Se1960_A		0.7505	ug/L	0.3594	47.89	-0.8797
Si2516_R		-1.121	ug/L	1.417	126.4	5.085
Sn1899_A		1.051	ug/L	0.2849	27.11	0.4711
Sr4215_R		0.03891	ug/L	0.05245	134.8	-53.53
Ti3349_A		0.5556	ug/L	0.2568	46.21	0.9267
Tl1908_A		0.7702	ug/L	0.4039	52.45	-0.3356
V_2924_A		0.4712	ug/L	0.07595	16.12	-4.016
Zn2062_A		0.1222	ug/L	0.2200	180.1	1.441
Y_3600_R		13,359	Cts/S	77.417	0.57951	13,359
Y_2243_A		7,067.5	Cts/S	74.732	1.0574	7,067.5
Y_3600_A		219,190	Cts/S	1,422.5	0.64898	219,190

SG4790-006A

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:51:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		477.6	ug/L	2.284	0.4782	8,629
Al3961_R	W	55,660	ug/L	202.6	0.3641	25,700
As1891_A		522.1	ug/L	2.599	0.4978	126.1
Au2427_A		-2.118	ug/L	0.2501	11.81	41.27
B_2089_A		488.1	ug/L	5.382	1.103	432.8
Ba4554_R		697.4	ug/L	1.210	0.1735	21,360
Be3130_R		491.5	ug/L	1.689	0.3437	25,560
Ca3158_R		4,402	ug/L	2.373	0.05390	3,490
Cd2265_A		466.0	ug/L	4.167	0.8943	6,082
Co2286_A		498.6	ug/L	3.505	0.7031	1,660
Cr2677_A		559.6	ug/L	4.282	0.7651	7,652
Cu3273_A		561.3	ug/L	2.207	0.3932	7,267
Fe2599_R	W	90,340	ug/L	114.6	0.1269	81,160
K_7664_R		8,321	ug/L	20.49	0.2462	4,110
Li6707_R		541.7	ug/L	0.8695	0.1605	4,274
Mg2025_A		9,210	ug/L	77.47	0.8412	1,775
Mn2576_R	W	1,047	ug/L	3.346	0.3197	5,192
Mo2020_A		479.8	ug/L	1.288	0.2684	868.1
Na5895_R		1,267	ug/L	28.54	2.252	1,503
Ni2316_A		540.2	ug/L	6.098	1.129	929.4
Pb2203_A	W	3,832	ug/L	31.99	0.8349	3,660
Sb2068_A		478.8	ug/L	4.487	0.9372	144.2
Se1960_A		482.5	ug/L	0.7156	0.1483	76.99
Si2516_R		3,218	ug/L	37.54	1.166	784.5
Sn1899_A		30.36	ug/L	0.8024	2.643	13.73
Sr4215_R		511.1	ug/L	0.5923	0.1159	20,940
Ti3349_A	W	5,090	ug/L	33.73	0.6627	127,800
Tl1908_A		484.2	ug/L	4.503	0.9301	204.8
V_2924_A		782.4	ug/L	5.964	0.7623	9,210
Zn2062_A		612.7	ug/L	4.126	0.6734	1,736
Y_3600_R		13,836	Cts/S	40.140	0.29011	13,836
Y_2243_A		7,141.3	Cts/S	39.193	0.54882	7,141.3
Y_3600_A		216,100	Cts/S	3,288.4	1.5217	216,100

SG4790-006S

Method Name: K6010-2011 Method Revision: 845

SG4790-006S

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 4:55:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.25	ug/L	0.2673	0.5320	444.6
Al3961_R	W	69,010	ug/L	685.6	0.9936	30,920
As1891_A		137.8	ug/L	0.6040	0.4384	28.77
Au2427_A		-1.761	ug/L	0.1500	8.519	42.48
B_2089_A		468.5	ug/L	3.989	0.8515	402.7
Ba4554_R	W	2,183	ug/L	19.27	0.8829	64,910
Be3130_R		52.72	ug/L	0.2962	0.5617	2,467
Ca3158_R		8,823	ug/L	83.72	0.9488	6,789
Cd2265_A		232.1	ug/L	1.922	0.8280	3,020
Co2286_A		496.9	ug/L	4.185	0.8423	1,634
Cr2677_A		290.7	ug/L	0.2894	0.09957	3,910
Cu3273_A		320.2	ug/L	0.5344	0.1669	3,970
Fe2599_R	W	92,750	ug/L	1,268	1.367	80,860
K_7664_R		15,380	ug/L	88.48	0.5752	7,420
Li6707_R		544.6	ug/L	6.128	1.125	4,171
Mg2025_A		14,670	ug/L	92.86	0.6329	2,765
Mn2576_R	W	1,208	ug/L	13.54	1.121	5,816
Mo2020_A		284.7	ug/L	1.640	0.5762	505.8
Na5895_R		7,835	ug/L	66.18	0.8447	9,577
Ni2316_A		542.6	ug/L	4.394	0.8098	916.6
Pb2203_A	W	3,557	ug/L	22.98	0.6458	3,337
Sb2068_A		59.24	ug/L	2.547	4.299	17.89
Se1960_A		96.79	ug/L	1.227	1.268	14.00
Si2516_R		3,842	ug/L	12.53	0.3260	907.8
Sn1899_A		487.2	ug/L	2.897	0.5946	216.5
Sr4215_R		528.2	ug/L	4.463	0.8450	21,010
Ti3349_A	W	6,192	ug/L	3.766	0.06082	152,800
Tl1908_A		91.39	ug/L	1.273	1.393	34.39
V_2924_A		806.3	ug/L	0.05694	0.007062	9,368
Zn2062_A		630.4	ug/L	3.612	0.5729	1,755
Y_3600_R		13,428	Cts/S	103.86	0.77344	13,428
Y_2243_A		7,015.7	Cts/S	39.346	0.56083	7,015.7
Y_3600_A		212,370	Cts/S	516.81	0.24336	212,370

SG4790-006P

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:00:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.19	ug/L	0.7946	1.615	441.6
Al3961_R	W	67,140	ug/L	1,861	2.771	30,880
As1891_A		137.0	ug/L	0.3349	0.2444	28.54
Au2427_A		-0.8003	ug/L	0.3246	40.56	42.94
B_2089_A		471.1	ug/L	1.941	0.4121	401.8
Ba4554_R	W	2,092	ug/L	54.40	2.601	63,850
Be3130_R		51.13	ug/L	1.393	2.725	2,459
Ca3158_R		8,341	ug/L	213.7	2.563	6,588
Cd2265_A		232.4	ug/L	0.4097	0.1763	2,997
Co2286_A		500.7	ug/L	0.9516	0.1900	1,631
Cr2677_A		292.8	ug/L	3.617	1.235	3,911
Cu3273_A		322.2	ug/L	2.814	0.8736	3,977
Fe2599_R	W	88,840	ug/L	2,372	2.670	79,510
K_7664_R		14,750	ug/L	370.0	2.508	7,303
Li6707_R		524.3	ug/L	15.09	2.878	4,122
Mg2025_A		13,850	ug/L	19.63	0.1417	2,592
Mn2576_R	W	1,142	ug/L	25.25	2.211	5,644
Mo2020_A		287.4	ug/L	0.1368	0.04758	506.8

SG4790-006P

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:00:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,652	ug/L	198.6	2.595	9,600
Ni2316_A		544.8	ug/L	0.4691	0.08610	913.6
Pb2203_A	W	3,684	ug/L	7.419	0.2014	3,429
Sb2068_A		59.30	ug/L	2.382	4.017	17.74
Se1960_A		93.67	ug/L	0.9168	0.9788	13.42
Si2516_R		3,521	ug/L	79.21	2.250	854.4
Sn1899_A		488.5	ug/L	1.855	0.3798	215.4
Sr4215_R		511.6	ug/L	12.54	2.451	20,890
Ti3349_A	W	5,944	ug/L	88.65	1.491	145,600
Tl1908_A		91.45	ug/L	1.127	1.232	34.31
V_2924_A		807.5	ug/L	13.77	1.705	9,315
Zn2062_A		631.4	ug/L	1.716	0.2717	1,745
Y_3600_R		13,787	Cts/S	250.10	1.8140	13,787
Y_2243_A		6,962.3	Cts/S	1.3336	0.019154	6,962.3
Y_3600_A		210,880	Cts/S	1,160.2	0.55016	210,880

SG4790-007

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:04:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.392	ug/L	0.1844	7.710	-346.2
Al3961_R	W	64,490	ug/L	746.6	1.158	29,340
As1891_A		34.36	ug/L	0.1467	0.4270	3.965
Au2427_A		-0.9674	ug/L	0.7253	74.97	34.80
B_2089_A		9.054	ug/L	0.2520	2.783	10.66
Ba4554_R		166.6	ug/L	2.315	1.389	5,021
Be3130_R		3.180	ug/L	0.08054	2.533	33.14
Ca3158_R		4,891	ug/L	66.13	1.352	3,822
Cd2265_A		0.3252	ug/L	0.1003	30.84	69.21
Co2286_A		16.63	ug/L	0.2756	1.657	91.31
Cr2677_A		70.04	ug/L	0.2135	0.3048	967.0
Cu3273_A		53.43	ug/L	0.1865	0.3491	610.4
Fe2599_R	W	72,470	ug/L	863.6	1.192	64,170
K_7664_R		3,389	ug/L	60.61	1.789	1,616
Li6707_R		69.00	ug/L	2.438	3.534	543.2
Mg2025_A		9,522	ug/L	20.72	0.2176	1,805
Mn2576_R		761.5	ug/L	7.414	0.9735	3,722
Mo2020_A		5.658	ug/L	0.1655	2.926	9.848
Na5895_R		591.6	ug/L	0.2626	0.04438	633.8
Ni2316_A		65.42	ug/L	0.2210	0.3378	107.4
Pb2203_A	W	2,148	ug/L	7.492	0.3487	2,039
Sb2068_A		4.989	ug/L	0.07107	1.424	2.994
Se1960_A		4.473	ug/L	2.785	62.26	-0.7074
Si2516_R		2,546	ug/L	48.72	1.914	611.6
Sn1899_A		26.45	ug/L	0.1933	0.7307	11.91
Sr4215_R		45.63	ug/L	0.7231	1.585	1,792
Ti3349_A	W	3,464	ug/L	10.03	0.2896	87,220
Tl1908_A		0.5255	ug/L	0.9162	174.3	-2.675
V_2924_A		201.0	ug/L	0.8341	0.4150	2,400
Zn2062_A		182.8	ug/L	0.9383	0.5133	516.5
Y_3600_R		13,635	Cts/S	0.40630	0.0029797	13,635
Y_2243_A		7,108.1	Cts/S	39.594	0.55703	7,108.1
Y_3600_A		216,810	Cts/S	335.98	0.15497	216,810

SG4790-008

Method Name: K6010-2011 Method Revision: 845

SG4790-008

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:09:03PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.261	ug/L	0.4108	12.60	-417.1
Al3961_R	W	51,870	ug/L	1,344	2.590	22,810
As1891_A		47.06	ug/L	1.205	2.562	6.441
Au2427_A		-1.556	ug/L	0.7872	50.60	45.02
B_2089_A		14.61	ug/L	0.6424	4.397	15.39
Ba4554_R		131.8	ug/L	3.499	2.654	3,837
Be3130_R		1.638	ug/L	0.06944	4.239	-60.70
Ca3158_R		2,857	ug/L	80.71	2.825	2,158
Cd2265_A		0.4134	ug/L	0.2135	51.66	86.06
Co2286_A		12.49	ug/L	0.5584	4.471	83.34
Cr2677_A		77.35	ug/L	0.08535	0.1103	1,063
Cu3273_A		75.88	ug/L	0.6453	0.8505	880.9
Fe2599_R	W	90,420	ug/L	2,659	2.941	77,390
K_7664_R		4,475	ug/L	14.97	0.3345	2,081
Li6707_R		40.71	ug/L	3.376	8.292	312.6
Mg2025_A		5,094	ug/L	40.91	0.8031	965.1
Mn2576_R		498.6	ug/L	14.31	2.871	2,357
Mo2020_A		7.556	ug/L	0.3409	4.511	13.16
Na5895_R		588.0	ug/L	15.08	2.564	608.4
Ni2316_A		57.75	ug/L	0.4276	0.7404	93.03
Pb2203_A	W	3,429	ug/L	22.32	0.6509	3,256
Sb2068_A		6.459	ug/L	0.4611	7.139	3.408
Se1960_A		5.800	ug/L	2.401	41.40	-0.5385
Si2516_R		2,666	ug/L	70.61	2.648	618.5
Sn1899_A		31.32	ug/L	1.681	5.368	14.07
Sr4215_R		29.11	ug/L	0.4475	1.537	1,085
Ti3349_A	W	4,064	ug/L	11.70	0.2878	102,000
Tl1908_A		-1.526	ug/L	0.1010	6.616	-3.774
V_2924_A		443.8	ug/L	2.191	0.4937	5,281
Zn2062_A		126.6	ug/L	0.5655	0.4466	357.4
Y_3600_R		13,186	Cts/S	314.84	2.3876	13,186
Y_2243_A		7,096.4	Cts/S	7.7607	0.10936	7,096.4
Y_3600_A		215,980	Cts/S	234.42	0.10853	215,980

SG4790-009

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:13:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.219	ug/L	0.3398	27.88	-172.4
Al3961_R	W	31,150	ug/L	88.23	0.2833	14,410
As1891_A		49.45	ug/L	0.5264	1.064	9.532
Au2427_A		-0.1325	ug/L	0.7175	541.6	13.56
B_2089_A		16.37	ug/L	0.03516	0.2148	16.98
Ba4554_R		108.8	ug/L	0.5892	0.5417	3,329
Be3130_R		1.394	ug/L	0.02963	2.125	-45.87
Ca3158_R		4,780	ug/L	9.765	0.2043	3,799
Cd2265_A		0.4432	ug/L	0.02564	5.784	35.45
Co2286_A		6.516	ug/L	0.2520	3.868	53.95
Cr2677_A		52.89	ug/L	0.2424	0.4582	743.1
Cu3273_A		55.91	ug/L	0.07757	0.1387	667.9
Fe2599_R	W	30,840	ug/L	219.7	0.7122	27,780
K_7664_R		3,102	ug/L	49.35	1.591	1,500
Li6707_R		33.90	ug/L	2.491	7.347	275.3
Mg2025_A		3,876	ug/L	10.68	0.2756	741.4
Mn2576_R		306.0	ug/L	2.583	0.8443	1,519
Mo2020_A		5.313	ug/L	0.08454	1.591	9.321

SG4790-009

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:13:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		718.6	ug/L	0.7532	0.1048	806.9
Ni2316_A		36.31	ug/L	0.1063	0.2927	60.02
Pb2203_A	W	6,971	ug/L	11.07	0.1588	6,693
Sb2068_A		16.27	ug/L	0.6510	4.001	5.996
Se1960_A		2.479	ug/L	3.177	128.2	-0.8136
Si2516_R		2,737	ug/L	17.99	0.6573	669.8
Sn1899_A		32.61	ug/L	0.1658	0.5084	14.82
Sr4215_R		45.18	ug/L	0.4222	0.9345	1,804
Ti3349_A	W	3,048	ug/L	7.413	0.2432	78,100
Tl1908_A		0.06277	ug/L	0.8300	1,322	-2.391
V_2924_A		160.2	ug/L	1.504	0.9388	1,949
Zn2062_A		96.95	ug/L	0.04045	0.04172	276.9
Y_3600_R		13,869	Cts/S	28.317	0.20418	13,869
Y_2243_A		7,171.9	Cts/S	2.7101	0.037787	7,171.9
Y_3600_A		220,620	Cts/S	194.54	0.088176	220,620

SG4790-013

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:17:56PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.207	ug/L	0.6408	53.08	-230.0
Al3961_R	W	30,650	ug/L	152.1	0.4963	13,900
As1891_A		41.29	ug/L	1.074	2.600	6.969
Au2427_A		-1.083	ug/L	0.1651	15.25	16.02
B_2089_A		21.26	ug/L	0.2495	1.173	21.07
Ba4554_R		522.5	ug/L	1.917	0.3670	15,720
Be3130_R		1.359	ug/L	0.04933	3.629	-51.77
Ca3158_R		6,689	ug/L	33.91	0.5069	5,210
Cd2265_A		1.702	ug/L	0.04993	2.934	61.98
Co2286_A		6.470	ug/L	0.04720	0.7295	55.45
Cr2677_A		51.06	ug/L	0.4805	0.9411	713.5
Cu3273_A		74.52	ug/L	1.274	1.710	906.2
Fe2599_R	W	42,910	ug/L	286.7	0.6681	37,880
K_7664_R		2,583	ug/L	5.005	0.1938	1,214
Li6707_R		11.90	ug/L	2.809	23.61	99.39
Mg2025_A		2,446	ug/L	14.00	0.5722	467.1
Mn2576_R		803.2	ug/L	5.171	0.6438	3,912
Mo2020_A		4.521	ug/L	0.03751	0.8297	7.853
Na5895_R		638.9	ug/L	10.88	1.702	691.0
Ni2316_A		57.25	ug/L	0.1424	0.2487	95.48
Pb2203_A	W	3,404	ug/L	7.106	0.2088	3,258
Sb2068_A		15.33	ug/L	0.1195	0.7799	5.736
Se1960_A		3.925	ug/L	2.654	67.63	-0.5524
Si2516_R		2,893	ug/L	22.21	0.7677	693.2
Sn1899_A		31.22	ug/L	2.022	6.478	14.14
Sr4215_R		87.84	ug/L	0.2102	0.2393	3,490
Ti3349_A	W	3,198	ug/L	41.55	1.299	81,360
Tl1908_A		-1.138	ug/L	0.6864	60.32	-3.344
V_2924_A		175.1	ug/L	3.032	1.732	2,104
Zn2062_A		122.4	ug/L	0.3668	0.2997	348.3
Y_3600_R		13,593	Cts/S	227.84	1.6762	13,593
Y_2243_A		7,152.0	Cts/S	0.19974	0.0027927	7,152.0
Y_3600_A		219,070	Cts/S	2,203.9	1.0060	219,070

SG4790-015

Method Name: K6010-2011 Method Revision: 845

SG4790-015

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:22:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.777	ug/L	0.008301	0.4671	-287.7
Al3961_R	W	42,330	ug/L	1,117	2.639	19,330
As1891_A		43.05	ug/L	1.201	2.789	6.734
Au2427_A		-1.283	ug/L	0.7735	60.27	26.05
B_2089_A		20.08	ug/L	0.4118	2.051	19.88
Ba4554_R		415.4	ug/L	9.088	2.188	12,580
Be3130_R		1.734	ug/L	0.004898	0.2825	-33.00
Ca3158_R		3,570	ug/L	63.67	1.784	2,800
Cd2265_A		2.237	ug/L	0.1540	6.887	80.69
Co2286_A		7.659	ug/L	0.009103	0.1189	59.86
Cr2677_A		65.56	ug/L	1.278	1.949	907.3
Cu3273_A		96.91	ug/L	2.068	2.134	1,197
Fe2599_R	W	57,730	ug/L	1,202	2.082	51,310
K_7664_R		2,826	ug/L	90.25	3.193	1,343
Li6707_R		18.25	ug/L	2.741	15.02	149.8
Mg2025_A		3,209	ug/L	6.467	0.2015	606.5
Mn2576_R		396.1	ug/L	7.362	1.858	1,943
Mo2020_A		5.192	ug/L	0.01293	0.2491	8.956
Na5895_R		563.3	ug/L	8.107	1.439	600.6
Ni2316_A		72.81	ug/L	0.2075	0.2850	120.4
Pb2203_A	W	3,714	ug/L	6.627	0.1784	3,518
Sb2068_A		7.537	ug/L	0.2006	2.662	3.540
Se1960_A		3.977	ug/L	2.648	66.57	-0.6897
Si2516_R		3,005	ug/L	42.25	1.406	724.4
Sn1899_A		30.55	ug/L	0.1764	0.5776	13.70
Sr4215_R		56.50	ug/L	1.170	2.071	2,240
Ti3349_A	W	3,248	ug/L	76.88	2.367	82,020
Tl1908_A		-1.455	ug/L	0.2672	18.37	-3.199
V_2924_A		250.0	ug/L	6.907	2.763	2,995
Zn2062_A		116.3	ug/L	0.3121	0.2684	327.7
Y_3600_R		13,688	Cts/S	51.252	0.37442	13,688
Y_2243_A		7,080.2	Cts/S	18.313	0.25865	7,080.2
Y_3600_A		217,450	Cts/S	3,690.8	1.6973	217,450

SG4876-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:26:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.283	ug/L	0.6093	47.49	-358.7
Al3961_R	W	42,350	ug/L	848.2	2.003	19,140
As1891_A		44.31	ug/L	0.4810	1.086	6.517
Au2427_A		-1.672	ug/L	0.3388	20.26	31.38
B_2089_A		9.393	ug/L	0.4642	4.941	10.84
Ba4554_R		133.9	ug/L	3.034	2.267	4,005
Be3130_R		1.607	ug/L	0.01469	0.9137	-53.16
Ca3158_R		2,617	ug/L	47.04	1.797	2,031
Cd2265_A		0.3253	ug/L	0.2280	70.07	67.33
Co2286_A		15.82	ug/L	0.5334	3.371	89.37
Cr2677_A		74.01	ug/L	0.1722	0.2326	1,018
Cu3273_A		51.55	ug/L	0.4245	0.8236	573.7
Fe2599_R	W	70,570	ug/L	1,447	2.050	62,070
K_7664_R		3,923	ug/L	80.17	2.043	1,867
Li6707_R		51.32	ug/L	1.245	2.427	403.3
Mg2025_A		9,457	ug/L	61.78	0.6532	1,780
Mn2576_R		706.3	ug/L	12.56	1.778	3,430
Mo2020_A		4.932	ug/L	0.4074	8.260	8.461

SG4876-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:26:50PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		482.5	ug/L	10.95	2.269	493.7
Ni2316_A		66.54	ug/L	0.2400	0.3607	108.6
Pb2203_A		595.7	ug/L	1.267	0.2127	559.5
Sb2068_A		3.839	ug/L	1.789	46.58	2.527
Se1960_A		4.325	ug/L	5.657	130.8	-0.6335
Si2516_R		2,378	ug/L	73.34	3.084	567.8
Sn1899_A		30.47	ug/L	1.255	4.118	13.62
Sr4215_R		25.82	ug/L	0.4096	1.586	982.8
Ti3349_A	W	3,653	ug/L	10.89	0.2982	91,660
Tl1908_A		-0.4751	ug/L	0.2542	53.50	-3.176
V_2924_A		258.6	ug/L	0.9130	0.3531	3,075
Zn2062_A		144.3	ug/L	1.165	0.8070	405.0
Y_3600_R		13,545	Cts/S	64.951	0.47952	13,545
Y_2243_A		7,056.0	Cts/S	27.908	0.39552	7,056.0
Y_3600_A		216,060	Cts/S	756.63	0.35020	216,060

SG4876-009

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:31:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.769	ug/L	0.1165	6.584	-216.2
Al3961_R	W	26,900	ug/L	393.4	1.462	12,240
As1891_A		27.36	ug/L	0.3583	1.309	3.423
Au2427_A		-0.9030	ug/L	0.9900	109.6	18.52
B_2089_A		13.73	ug/L	1.009	7.347	14.54
Ba4554_R		437.9	ug/L	7.158	1.634	13,210
Be3130_R		1.689	ug/L	0.04973	2.944	-17.28
Ca3158_R		4,239	ug/L	76.00	1.793	3,312
Cd2265_A		0.9929	ug/L	0.1016	10.23	52.17
Co2286_A		8.603	ug/L	0.3106	3.610	58.10
Cr2677_A		52.25	ug/L	0.2793	0.5345	725.8
Cu3273_A		72.17	ug/L	0.1967	0.2726	888.0
Fe2599_R	W	43,350	ug/L	856.4	1.976	38,380
K_7664_R		2,260	ug/L	52.12	2.306	1,059
Li6707_R		13.10	ug/L	0.7099	5.421	109.2
Mg2025_A		3,134	ug/L	77.29	2.466	593.0
Mn2576_R		364.2	ug/L	5.613	1.541	1,779
Mo2020_A		4.646	ug/L	0.3119	6.713	8.009
Na5895_R		650.2	ug/L	23.11	3.554	707.5
Ni2316_A		58.73	ug/L	1.481	2.521	97.16
Pb2203_A	W	1,916	ug/L	35.49	1.852	1,818
Sb2068_A		6.506	ug/L	0.2359	3.626	3.083
Se1960_A		3.466	ug/L	1.654	47.71	-0.6635
Si2516_R		2,638	ug/L	1.516	0.05749	634.3
Sn1899_A		33.19	ug/L	0.9433	2.842	14.90
Sr4215_R		68.89	ug/L	1.586	2.303	2,733
Ti3349_A	W	2,700	ug/L	8.763	0.3245	68,360
Tl1908_A		0.2813	ug/L	0.6808	242.0	-2.149
V_2924_A		174.5	ug/L	0.07201	0.04127	2,095
Zn2062_A		212.2	ug/L	3.883	1.830	598.0
Y_3600_R		13,635	Cts/S	36.178	0.26534	13,635
Y_2243_A		7,091.3	Cts/S	108.41	1.5287	7,091.3
Y_3600_A		217,970	Cts/S	917.70	0.42103	217,970

CCV

Method Name: K6010-2011 Method Revision: 845

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:35:42PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		498.1	ug/L	0.7698	0.1546	9,272
Al3961_R		13,110	ug/L	331.9	2.531	5,687
As1891_A		500.1	ug/L	2.417	0.4833	120.1
Au2427_A		499.6	ug/L	3.154	0.6314	1,497
B_2089_A		502.0	ug/L	4.156	0.8279	432.3
Ba4554_R		525.8	ug/L	13.19	2.508	15,110
Be3130_R	W	527.3	ug/L	14.27	2.707	25,890
Ca3158_R		13,070	ug/L	372.7	2.851	9,725
Cd2265_A		503.4	ug/L	2.894	0.5748	6,304
Co2286_A		507.4	ug/L	2.671	0.5264	1,601
Cr2677_A		497.4	ug/L	0.2070	0.04162	6,694
Cu3273_A		497.6	ug/L	0.5055	0.1016	6,487
Fe2599_R		13,150	ug/L	375.6	2.856	11,090
K_7664_R		13,160	ug/L	370.5	2.817	6,128
Li6707_R		518.6	ug/L	15.26	2.943	3,840
Mg2025_A		12,870	ug/L	75.03	0.5831	2,398
Mn2576_R		524.6	ug/L	14.98	2.856	2,438
Mo2020_A		498.8	ug/L	5.697	1.142	876.4
Na5895_R		13,060	ug/L	360.7	2.761	15,510
Ni2316_A		508.2	ug/L	2.639	0.5194	852.6
Pb2203_A		508.5	ug/L	3.688	0.7253	470.0
Sb2068_A		506.5	ug/L	4.409	0.8705	146.0
Se1960_A		497.3	ug/L	10.42	2.095	77.46
Si2516_R		12,930	ug/L	392.6	3.038	2,944
Sn1899_A		504.0	ug/L	3.059	0.6069	221.3
Sr4215_R		519.8	ug/L	14.78	2.842	19,990
Ti3349_A		496.1	ug/L	1.171	0.2361	12,260
Tl1908_A		513.5	ug/L	2.774	0.5402	213.7
V_2924_A		494.8	ug/L	1.257	0.2540	5,674
Zn2062_A		503.7	ug/L	3.182	0.6317	1,386
Y_3600_R		12,984	Cts/S	203.51	1.5673	12,984
Y_2243_A		6,933.4	Cts/S	17.264	0.24899	6,933.4
Y_3600_A		212,750	Cts/S	214.55	0.10085	212,750

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:40:03PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4096	ug/L	0.2352	57.42	-16.50
Al3961_R		-7.397	ug/L	9.472	128.1	-4.486
As1891_A		3.115	ug/L	1.799	57.75	-0.8723
Au2427_A		0.2513	ug/L	0.2053	81.68	-3.232
B_2089_A		1.158	ug/L	0.1984	17.13	3.868
Ba4554_R		0.1077	ug/L	0.1062	98.60	-8.626
Be3130_R		0.1349	ug/L	0.03365	24.95	-5.392
Ca3158_R		-11.88	ug/L	4.863	40.94	-9.184
Cd2265_A		0.06078	ug/L	0.05419	89.16	0.6738
Co2286_A		0.2335	ug/L	0.2348	100.5	8.684
Cr2677_A		0.2734	ug/L	0.1989	72.76	7.850
Cu3273_A		-0.8603	ug/L	0.1732	20.13	10.67
Fe2599_R		4.461	ug/L	2.047	45.89	9.410
K_7664_R		20.60	ug/L	8.478	41.15	-45.92
Li6707_R		-1.829	ug/L	0.6646	36.34	-6.560
Mg2025_A		2.820	ug/L	1.940	68.81	0.1249
Mn2576_R		0.9833	ug/L	0.2117	21.52	1.342
Mo2020_A		2.650	ug/L	0.8558	32.29	4.457

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:40:03PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7.616	ug/L	8.094	106.3	-97.66
Ni2316_A		0.4924	ug/L	0.2959	60.08	-0.5506
Pb2203_A		0.5800	ug/L	0.5458	94.10	0.3025
Sb2068_A		1.894	ug/L	0.5404	28.54	1.409
Se1960_A		-0.8052	ug/L	0.2588	32.14	-1.131
Si2516_R		4.904	ug/L	24.30	495.4	6.524
Sn1899_A		0.9959	ug/L	1.266	127.1	0.4486
Sr4215_R		-0.05665	ug/L	0.07400	130.6	-57.63
Ti3349_A		0.7368	ug/L	0.1960	26.61	5.515
Tl1908_A		1.065	ug/L	0.1730	16.24	-0.2107
V_2924_A		0.2046	ug/L	0.05180	25.31	-7.179
Zn2062_A		0.3430	ug/L	0.01648	4.805	2.066
Y_3600_R		13,428	Cts/S	19.031	0.14173	13,428
Y_2243_A		7,074.3	Cts/S	59.038	0.83454	7,074.3
Y_3600_A		218,860	Cts/S	631.60	0.28858	218,860

SG5090-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:44:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2214	ug/L	0.4976	224.7	-28.41
Al3961_R		30.83	ug/L	25.92	84.08	19.66
As1891_A		-2.941	ug/L	1.418	48.21	-2.202
Au2427_A		-0.5060	ug/L	0.7788	153.9	-5.520
B_2089_A		418.1	ug/L	0.6206	0.1484	362.1
Ba4554_R		0.6915	ug/L	0.4327	62.57	8.667
Be3130_R		0.09428	ug/L	0.002060	2.185	-8.050
Ca3158_R		7,559	ug/L	159.8	2.114	5,841
Cd2265_A		-0.01459	ug/L	0.06895	472.5	-0.2460
Co2286_A		-0.02322	ug/L	0.004011	17.28	7.906
Cr2677_A		1.591	ug/L	0.7317	46.00	25.59
Cu3273_A		2.218	ug/L	0.09155	4.127	50.33
Fe2599_R		34.79	ug/L	4.637	13.33	35.98
K_7664_R		61.70	ug/L	23.37	37.88	-25.96
Li6707_R		-1.536	ug/L	1.407	91.59	-4.436
Mg2025_A		3,828	ug/L	2.258	0.05899	714.7
Mn2576_R		16.02	ug/L	0.01937	0.1209	74.01
Mo2020_A		357.5	ug/L	0.2149	0.06013	633.9
Na5895_R		111.6	ug/L	15.51	13.90	31.14
Ni2316_A		1.183	ug/L	0.1608	13.59	1.345
Pb2203_A		18.95	ug/L	0.1132	0.5973	17.10
Sb2068_A		2.402	ug/L	1.453	60.49	1.233
Se1960_A		-3.257	ug/L	2.319	71.21	-1.508
Si2516_R		56.93	ug/L	15.70	27.57	19.78
Sn1899_A		21.20	ug/L	0.3634	1.714	9.397
Sr4215_R		2.608	ug/L	0.1424	5.463	48.88
Ti3349_A		17.14	ug/L	0.2728	1.591	418.8
Tl1908_A		-2.379	ug/L	0.6430	27.03	-1.687
V_2924_A		0.6651	ug/L	0.5736	86.24	-37.28
Zn2062_A	W	5,703	ug/L	22.44	0.3935	15,840
Y_3600_R		13,485	Cts/S	226.02	1.6761	13,485
Y_2243_A		6,998.7	Cts/S	31.900	0.45580	6,998.7
Y_3600_A		214,680	Cts/S	245.47	0.11434	214,680

PBWGG23ICW1

Method Name: K6010-2011 Method Revision: 845

PBWGG23ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:49:05PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1704	ug/L	0.2250	132.0	-21.99
Al3961_R		-11.17	ug/L	10.33	92.53	-6.493
As1891_A		1.857	ug/L	0.4684	25.22	-1.217
Au2427_A		0.1569	ug/L	0.1195	76.16	-3.611
B_2089_A		0.2980	ug/L	0.4508	151.3	3.190
Ba4554_R		0.04264	ug/L	0.6645	1,559	-11.14
Be3130_R		-0.004727	ug/L	0.07535	1,594	-13.09
Ca3158_R		3.109	ug/L	5.250	168.8	2.454
Cd2265_A		-0.03419	ug/L	0.06637	194.1	-0.5527
Co2286_A		0.1117	ug/L	0.1174	105.1	8.526
Cr2677_A		0.4947	ug/L	0.1407	28.44	11.34
Cu3273_A		-0.2560	ug/L	1.043	407.3	19.56
Fe2599_R		9.734	ug/L	0.2072	2.129	14.69
K_7664_R		5.843	ug/L	11.13	190.4	-55.67
Li6707_R		-1.931	ug/L	0.05690	2.947	-7.703
Mg2025_A		15.76	ug/L	1.284	8.149	2.622
Mn2576_R		0.6838	ug/L	0.5507	80.55	-0.09604
Mo2020_A		1.408	ug/L	0.2077	14.76	2.298
Na5895_R		26.46	ug/L	3.227	12.20	-77.99
Ni2316_A		0.4950	ug/L	0.03062	6.186	-0.5665
Pb2203_A		-0.3604	ug/L	0.1276	35.40	-0.6052
Sb2068_A		-0.3297	ug/L	0.04631	14.05	0.7828
Se1960_A		0.4134	ug/L	2.152	520.6	-0.9610
Si2516_R		18.27	ug/L	2.265	12.40	10.14
Sn1899_A		0.1299	ug/L	0.2760	212.4	0.05997
Sr4215_R		-0.1297	ug/L	0.1015	78.27	-63.51
Ti3349_A		0.1659	ug/L	0.6150	370.8	-9.351
Tl1908_A		0.9137	ug/L	0.3525	38.57	-0.2831
V_2924_A		0.05676	ug/L	0.3008	529.9	-9.180
Zn2062_A		1.801	ug/L	0.5363	29.78	6.329
Y_3600_R		14,085	Cts/S	76.068	0.54007	14,085
Y_2243_A		7,271.2	Cts/S	17.369	0.23887	7,271.2
Y_3600_A		227,630	Cts/S	904.08	0.39718	227,630

LCSWGG23ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:53:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.97	ug/L	0.8582	1.620	1,000
Al3961_R		2,097	ug/L	8.570	0.4087	949.0
As1891_A		100.5	ug/L	0.2310	0.2298	23.69
Au2427_A		-0.1804	ug/L	0.3375	187.1	-6.120
B_2089_A		537.7	ug/L	2.065	0.3840	468.1
Ba4554_R		2,118	ug/L	4.485	0.2117	63,360
Be3130_R		53.64	ug/L	0.06428	0.1198	2,723
Ca3158_R		2,661	ug/L	5.385	0.2024	2,060
Cd2265_A		259.2	ug/L	2.018	0.7789	3,338
Co2286_A		538.1	ug/L	3.066	0.5698	1,748
Cr2677_A		204.9	ug/L	2.769	1.351	2,868
Cu3273_A		260.4	ug/L	2.863	1.100	3,529
Fe2599_R		1,051	ug/L	5.447	0.5184	927.1
K_7664_R		10,530	ug/L	47.08	0.4472	5,091
Li6707_R		514.0	ug/L	4.835	0.9406	3,960
Mg2025_A		5,564	ug/L	45.58	0.8192	1,080
Mn2576_R		529.2	ug/L	1.428	0.2698	2,558
Mo2020_A		268.2	ug/L	10.64	3.969	485.1

LCSWGG23ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:53:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,858	ug/L	35.62	0.4533	9,663
Ni2316_A		538.4	ug/L	3.346	0.6215	930.6
Pb2203_A		107.6	ug/L	0.1518	0.1411	102.1
Sb2068_A		109.2	ug/L	1.517	1.389	32.00
Se1960_A		99.00	ug/L	4.477	4.523	15.13
Si2516_R		5,027	ug/L	29.03	0.5776	1,195
Sn1899_A		511.8	ug/L	1.409	0.2752	231.5
Sr4215_R		519.4	ug/L	2.866	0.5517	20,780
Ti3349_A		490.4	ug/L	7.300	1.489	12,580
Tl1908_A		107.3	ug/L	0.5500	0.5128	45.20
V_2924_A		506.1	ug/L	5.635	1.113	6,067
Zn2062_A		534.1	ug/L	4.030	0.7545	1,514
Y_3600_R		13,508	Cts/S	56.634	0.41926	13,508
Y_2243_A		7,141.2	Cts/S	27.910	0.39083	7,141.2
Y_3600_A		221,020	Cts/S	2,130.0	0.96368	221,020

SG4973-008R

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 5:58:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		91.03	ug/L	1.839	2.020	1,756
Al3961_R		3,416	ug/L	49.56	1.451	1,606
As1891_A		703.9	ug/L	0.01713	0.002433	176.0
Au2427_A		1.003	ug/L	0.6061	60.41	-0.9250
B_2089_A	W	1,476	ug/L	5.840	0.3958	1,262
Ba4554_R		322.0	ug/L	3.696	1.148	10,050
Be3130_R		437.6	ug/L	5.335	1.219	23,350
Ca3158_R		-4.700	ug/L	2.137	45.47	-4.558
Cd2265_A	W	1,031	ug/L	3.092	0.2998	13,340
Co2286_A		136.0	ug/L	0.5815	0.4274	449.5
Cr2677_A		807.8	ug/L	13.38	1.656	11,400
Cu3273_A		735.0	ug/L	12.07	1.643	10,070
Fe2599_R		2,855	ug/L	30.80	1.079	2,620
K_7664_R		9.029	ug/L	15.28	169.2	-54.13
Li6707_R		-1.826	ug/L	3.056	167.4	-6.870
Mg2025_A		11.28	ug/L	1.927	17.09	6.821
Mn2576_R		425.6	ug/L	3.544	0.8327	2,148
Mo2020_A		6.227	ug/L	1.351	21.69	11.10
Na5895_R		28.25	ug/L	14.90	52.73	-75.78
Ni2316_A	W	1,360	ug/L	1.851	0.1361	2,362
Pb2203_A		879.0	ug/L	2.268	0.2581	843.7
Sb2068_A		653.3	ug/L	2.765	0.4233	197.0
Se1960_A		123.3	ug/L	4.624	3.749	19.13
Si2516_R		61.15	ug/L	0.6751	1.104	20.65
Sn1899_A		2.259	ug/L	0.7455	33.00	1.026
Sr4215_R		459.9	ug/L	4.715	1.025	19,200
Ti3349_A		0.9248	ug/L	0.09278	10.03	13.25
Tl1908_A		584.3	ug/L	1.873	0.3205	251.8
V_2924_A		248.6	ug/L	4.668	1.878	2,971
Zn2062_A	W	1,556	ug/L	6.980	0.4486	4,428
Y_3600_R		14,103	Cts/S	0.29073	0.0020614	14,103
Y_2243_A		7,173.9	Cts/S	8.1869	0.11412	7,173.9
Y_3600_A		223,260	Cts/S	3,578.9	1.6030	223,260

SG5195-001

Method Name: K6010-2011 Method Revision: 845

SG5195-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:02:27PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1888	ug/L	0.4170	220.9	-20.71
Al3961_R		11.47	ug/L	16.78	146.3	4.079
As1891_A		3.682	ug/L	1.452	39.43	-0.7311
Au2427_A		-0.4874	ug/L	0.7358	151.0	-5.484
B_2089_A		11.00	ug/L	1.100	9.999	12.15
Ba4554_R		4.833	ug/L	0.1754	3.629	138.2
Be3130_R		0.2759	ug/L	0.07682	27.84	1.873
Ca3158_R		7,685	ug/L	259.4	3.376	6,195
Cd2265_A		0.1955	ug/L	0.1765	90.26	2.399
Co2286_A		0.5214	ug/L	0.003877	0.7435	9.609
Cr2677_A		3.242	ug/L	0.08233	2.539	48.53
Cu3273_A		13.13	ug/L	0.8061	6.142	196.4
Fe2599_R		14.26	ug/L	5.555	38.94	18.77
K_7664_R		899.4	ug/L	21.55	2.396	399.4
Li6707_R		-2.546	ug/L	2.410	94.63	-12.45
Mg2025_A		3,982	ug/L	22.63	0.5682	750.6
Mn2576_R		3.179	ug/L	0.1538	4.839	12.49
Mo2020_A		2.590	ug/L	0.3960	15.29	4.361
Na5895_R		6,750	ug/L	191.8	2.841	8,629
Ni2316_A		6.348	ug/L	0.2623	4.133	9.492
Pb2203_A		0.1323	ug/L	0.2824	213.4	-0.1276
Sb2068_A		2.464	ug/L	0.5338	21.66	1.583
Se1960_A		0.3985	ug/L	0.1226	30.76	-0.9372
Si2516_R		4,801	ug/L	196.4	4.091	1,188
Sn1899_A		1.162	ug/L	0.2255	19.41	0.5211
Sr4215_R		15.04	ug/L	0.4136	2.749	570.4
Ti3349_A		-0.1336	ug/L	0.1788	133.8	-16.53
Tl1908_A		1.808	ug/L	0.5342	29.54	0.1045
V_2924_A		1.040	ug/L	0.2726	26.21	2.553
Zn2062_A		14.50	ug/L	0.1483	1.023	41.82
Y_3600_R		14,072	Cts/S	260.51	1.8513	14,072
Y_2243_A		7,077.8	Cts/S	45.165	0.63812	7,077.8
Y_3600_A		217,160	Cts/S	4,074.5	1.8762	217,160

SG5152-001T

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:07:00PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4865	ug/L	1.919	394.4	-24.44
Al3961_R		-18.32	ug/L	92.99	507.5	-1.985
As1891_A		-8.990	ug/L	11.72	130.4	-1.811
Au2427_A		-11.40	ug/L	7.984	70.01	-7.419
B_2089_A		58.87	ug/L	0.7219	1.226	7.560
Ba4554_R		49.93	ug/L	0.8994	1.801	133.8
Be3130_R		-0.09710	ug/L	0.1369	141.0	-12.45
Ca3158_R		5,815	ug/L	21.66	0.3724	438.0
Cd2265_A		6.296	ug/L	0.03798	0.6033	7.673
Co2286_A		152.4	ug/L	0.5738	0.3766	54.84
Cr2677_A		160.2	ug/L	0.01465	0.009149	217.7
Cu3273_A		3.086	ug/L	2.553	82.71	25.43
Fe2599_R		9.669	ug/L	12.55	129.8	6.229
K_7664_R		42,290	ug/L	360.9	0.8534	1,958
Li6707_R		-24.71	ug/L	2.139	8.657	-11.23
Mg2025_A		1,007	ug/L	4.688	0.4655	18.30
Mn2576_R		429.9	ug/L	10.17	2.365	199.2
Mo2020_A		13.92	ug/L	3.886	27.91	2.141

SG5152-001T

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:07:00PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	365,300	ug/L	285.2	0.07808	44,100
Ni2316_A		21.31	ug/L	4.942	23.19	2.178
Pb2203_A	W	100,100	ug/L	715.5	0.7145	9,191
Sb2068_A		14.48	ug/L	6.600	45.58	1.250
Se1960_A		-14.97	ug/L	17.81	118.9	-1.197
Si2516_R		8,251	ug/L	43.82	0.5311	195.2
Sn1899_A		6.897	ug/L	6.264	90.82	0.2987
Sr4215_R		18.77	ug/L	0.1889	1.006	19.06
Ti3349_A		0.6382	ug/L	3.589	562.4	-11.18
Tl1908_A		5.972	ug/L	11.10	185.9	-0.4108
V_2924_A		1.682	ug/L	0.5243	31.17	-9.315
Zn2062_A	W	21,410	ug/L	145.8	0.6807	5,824
Y_3600_R		13,145	Cts/S	37.457	0.28495	13,145
Y_2243_A		6,852.3	Cts/S	33.078	0.48273	6,852.3
Y_3600_A		211,160	Cts/S	943.26	0.44671	211,160

SG5152-002T

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:11:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3097	ug/L	0.3348	108.1	-27.00
Al3961_R		38.73	ug/L	2.677	6.912	15.70
As1891_A		1.189	ug/L	1.080	90.80	-1.213
Au2427_A		-0.1762	ug/L	0.8396	476.6	-5.494
B_2089_A		99.94	ug/L	0.3691	0.3694	78.09
Ba4554_R		5.716	ug/L	0.2007	3.510	153.7
Be3130_R		0.05756	ug/L	0.001619	2.814	-8.998
Ca3158_R	W	90,570	ug/L	3,286	3.628	67,690
Cd2265_A		-0.06694	ug/L	0.01730	25.84	-0.8642
Co2286_A		0.7649	ug/L	0.1677	21.93	9.323
Cr2677_A		1.365	ug/L	0.2188	16.03	20.90
Cu3273_A		2.331	ug/L	0.7473	32.06	47.52
Fe2599_R		3.915	ug/L	5.517	140.9	8.632
K_7664_R		3,422	ug/L	79.51	2.323	1,562
Li6707_R		1.622	ug/L	0.3365	20.75	19.23
Mg2025_A	W	35,350	ug/L	65.70	0.1859	5,986
Mn2576_R		387.7	ug/L	12.85	3.315	1,809
Mo2020_A		1.137	ug/L	0.1368	12.02	1.574
Na5895_R	F	298,200	ug/L	4,208	1.411	358,100
Ni2316_A		1.844	ug/L	0.5955	32.29	1.582
Pb2203_A		0.06075	ug/L	0.7088	1,167	-0.1774
Sb2068_A		0.4474	ug/L	0.01618	3.618	0.8912
Se1960_A		1.228	ug/L	3.763	306.5	-0.6797
Si2516_R		205.5	ug/L	7.362	3.582	52.19
Sn1899_A		0.05394	ug/L	0.8561	1,587	0.02127
Sr4215_R	W	1,748	ug/L	61.71	3.531	67,640
Ti3349_A		-0.4902	ug/L	0.1157	23.60	-22.82
Tl1908_A		0.7075	ug/L	0.2030	28.70	-0.5781
V_2924_A		1.053	ug/L	0.1229	11.67	-7.602
Zn2062_A		2.590	ug/L	0.05421	2.093	7.520
Y_3600_R		13,048	Cts/S	284.43	2.1798	13,048
Y_2243_A		6,356.3	Cts/S	16.330	0.25691	6,356.3
Y_3600_A		194,110	Cts/S	3,859.4	1.9883	194,110

SG5152-003T

Method Name: K6010-2011 Method Revision: 845

SG5152-003T

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:16:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2832	ug/L	0.3017	106.5	-26.43
Al3961_R		68.21	ug/L	5.041	7.390	27.88
As1891_A		2.545	ug/L	1.314	51.62	-0.7110
Au2427_A		-0.7564	ug/L	0.4533	59.92	-6.768
B_2089_A		40.37	ug/L	0.7374	1.826	33.00
Ba4554_R		292.8	ug/L	8.031	2.742	8,293
Be3130_R		-0.009842	ug/L	0.03594	365.2	-11.99
Ca3158_R	W	32,860	ug/L	856.4	2.606	24,100
Cd2265_A		2.723	ug/L	0.001771	0.06506	31.18
Co2286_A		18.86	ug/L	0.3698	1.961	56.38
Cr2677_A	W	9,537	ug/L	88.04	0.9232	116,000
Cu3273_A		8.521	ug/L	0.6510	7.640	120.0
Fe2599_R		43.47	ug/L	0.3832	0.8814	41.41
K_7664_R		21,730	ug/L	416.3	1.915	10,020
Li6707_R		0.4938	ug/L	0.2809	56.88	10.70
Mg2025_A		2,441	ug/L	36.75	1.506	411.7
Mn2576_R		304.5	ug/L	8.706	2.859	1,394
Mo2020_A		-3.598	ug/L	0.1589	4.417	-4.410
Na5895_R	F	289,000	ug/L	5,658	1.958	340,700
Ni2316_A		24.01	ug/L	0.5207	2.168	35.79
Pb2203_A		3.385	ug/L	0.1094	3.230	-2.052
Sb2068_A		106.6	ug/L	5.843	5.481	58.16
Se1960_A		1.025	ug/L	5.644	550.7	-0.7248
Si2516_R		1,061	ug/L	33.96	3.200	243.0
Sn1899_A		0.2136	ug/L	0.01029	4.818	0.08622
Sr4215_R		77.86	ug/L	1.707	2.192	2,908
Ti3349_A		-0.5768	ug/L	0.07916	13.73	2.848
Tl1908_A		1.295	ug/L	0.5968	46.07	-0.2871
V_2924_A		7.780	ug/L	0.7813	10.04	-412.1
Zn2062_A	F	27,140	ug/L	525.4	1.936	68,580
Y_3600_R		12,806	Cts/S	267.01	2.0849	12,806
Y_2243_A		6,370.0	Cts/S	86.021	1.3504	6,370.0
Y_3600_A		192,460	Cts/S	343.18	0.17831	192,460

SG5152-004T

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:20:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.7160	ug/L	0.3310	46.22	-20.34
Al3961_R		68.46	ug/L	24.68	36.04	4.802
As1891_A		-0.6607	ug/L	8.541	1,293	-1.605
Au2427_A		-1.791	ug/L	4.929	275.2	-4.996
B_2089_A		13.04	ug/L	0.01714	0.1315	4.796
Ba4554_R		69.89	ug/L	0.4709	0.6738	393.4
Be3130_R		0.6200	ug/L	0.02333	3.763	-5.753
Ca3158_R		8,546	ug/L	166.1	1.944	1,281
Cd2265_A		2.808	ug/L	0.1245	4.435	6.746
Co2286_A		18.64	ug/L	0.0002503	0.001343	18.96
Cr2677_A		27.26	ug/L	1.464	5.369	74.64
Cu3273_A		24.75	ug/L	0.1866	0.7539	83.09
Fe2599_R		59.46	ug/L	1.992	3.350	15.48
K_7664_R		2,891	ug/L	56.09	1.940	219.3
Li6707_R		-0.8996	ug/L	11.70	1,301	5.783
Mg2025_A		350.7	ug/L	18.19	5.186	12.28
Mn2576_R		185.5	ug/L	3.458	1.864	170.6
Mo2020_A		2.899	ug/L	0.7018	24.21	0.7190

SG5152-004T

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:20:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	319,100	ug/L	1,966	0.6160	76,730
Ni2316_A		9.963	ug/L	3.477	34.90	1.925
Pb2203_A	W	45,820	ug/L	110.5	0.2411	8,294
Sb2068_A		11.86	ug/L	10.81	91.15	1.485
Se1960_A		3.040	ug/L	2.066	67.95	-0.8586
Si2516_R		581.0	ug/L	2.752	0.4737	31.84
Sn1899_A		0.4502	ug/L	2.249	499.7	0.03876
Sr4215_R		17.37	ug/L	0.9364	5.390	80.99
Ti3349_A		-1.163	ug/L	0.5757	49.48	-17.96
Tl1908_A		-0.9048	ug/L	0.7699	85.09	-0.7310
V_2924_A		1.746	ug/L	1.622	92.87	-6.225
Zn2062_A		3,531	ug/L	8.546	0.2420	1,895
Y_3600_R		13,080	Cts/S	151.86	1.1610	13,080
Y_2243_A		6,757.8	Cts/S	16.281	0.24092	6,757.8
Y_3600_A		205,380	Cts/S	1,055.4	0.51386	205,380

SG5181-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:25:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.01713	ug/L	0.07818	456.5	-32.99
Al3961_R		64.45	ug/L	10.69	16.58	26.00
As1891_A		0.3709	ug/L	0.9823	264.9	-1.480
Au2427_A		-1.507	ug/L	1.597	106.0	-13.70
B_2089_A		4.231	ug/L	0.06112	1.445	5.629
Ba4554_R		129.8	ug/L	3.129	2.410	3,614
Be3130_R		0.01189	ug/L	0.02012	169.3	-10.84
Ca3158_R	W	96,030	ug/L	1,802	1.876	69,360
Cd2265_A		-0.02828	ug/L	0.002151	7.605	1.914
Co2286_A		0.2045	ug/L	0.1471	71.95	7.700
Cr2677_A		1.564	ug/L	0.2196	14.04	24.61
Cu3273_A		1.662	ug/L	0.4609	27.74	37.46
Fe2599_R		3,149	ug/L	65.44	2.078	2,583
K_7664_R		11,550	ug/L	201.2	1.742	5,220
Li6707_R		63.12	ug/L	4.596	7.281	459.8
Mg2025_A		17,830	ug/L	401.4	2.252	2,957
Mn2576_R	W	2,165	ug/L	43.15	1.993	9,778
Mo2020_A		0.8771	ug/L	0.3746	42.71	1.125
Na5895_R	F	466,200	ug/L	50,740	10.88	540,500
Ni2316_A		1.148	ug/L	0.2220	19.34	0.3477
Pb2203_A		-1.192	ug/L	0.1275	10.69	-1.155
Sb2068_A		1.573	ug/L	1.419	90.19	1.178
Se1960_A		-1.631	ug/L	3.654	224.1	-0.8822
Si2516_R		9,783	ug/L	160.9	1.644	2,164
Sn1899_A		-0.2269	ug/L	0.6756	297.7	-0.08744
Sr4215_R		734.7	ug/L	13.84	1.884	27,450
Ti3349_A		-0.6556	ug/L	0.04638	7.075	-25.29
Tl1908_A		-0.4748	ug/L	0.2531	53.32	-2.146
V_2924_A		3.074	ug/L	0.4318	14.04	-31.19
Zn2062_A		1.391	ug/L	0.1021	7.340	4.406
Y_3600_R		12,606	Cts/S	166.33	1.3194	12,606
Y_2243_A		6,226.9	Cts/S	96.392	1.5480	6,226.9
Y_3600_A		185,070	Cts/S	573.89	0.31009	185,070

CCV

Method Name: K6010-2011 Method Revision: 845

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:29:47PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	527.4	ug/L	17.36	3.293	9,434
Al3961_R		12,530	ug/L	248.6	1.985	5,425
As1891_A		503.9	ug/L	0.1721	0.03415	119.8
Au2427_A		512.7	ug/L	0.3413	0.06656	1,519
B_2089_A		510.7	ug/L	2.984	0.5843	435.0
Ba4554_R		504.6	ug/L	10.16	2.014	14,480
Be3130_R		507.6	ug/L	8.541	1.683	24,890
Ca3158_R		12,770	ug/L	322.0	2.522	9,482
Cd2265_A		514.2	ug/L	2.312	0.4496	6,368
Co2286_A		514.2	ug/L	1.997	0.3883	1,605
Cr2677_A		518.4	ug/L	18.76	3.619	6,699
Cu3273_A		519.5	ug/L	19.87	3.825	6,501
Fe2599_R		12,640	ug/L	280.6	2.221	10,640
K_7664_R		12,850	ug/L	123.1	0.9577	5,976
Li6707_R		514.2	ug/L	8.611	1.675	3,802
Mg2025_A		13,140	ug/L	42.28	0.3218	2,422
Mn2576_R		509.1	ug/L	9.036	1.775	2,363
Mo2020_A		508.3	ug/L	5.238	1.031	883.2
Na5895_R		12,680	ug/L	158.5	1.250	15,030
Ni2316_A		523.2	ug/L	3.250	0.6212	868.3
Pb2203_A		519.7	ug/L	1.106	0.2129	475.2
Sb2068_A		508.6	ug/L	1.223	0.2406	145.0
Se1960_A		510.3	ug/L	8.470	1.660	78.63
Si2516_R		12,590	ug/L	319.5	2.537	2,864
Sn1899_A		517.1	ug/L	2.087	0.4036	224.6
Sr4215_R		511.2	ug/L	11.68	2.285	19,620
Ti3349_A		519.6	ug/L	20.79	4.001	12,320
Tl1908_A		522.5	ug/L	3.131	0.5992	215.1
V_2924_A		523.0	ug/L	20.73	3.963	5,761
Zn2062_A		509.6	ug/L	1.108	0.2174	1,386
Y_3600_R		12,963	Cts/S	42.936	0.33123	12,963
Y_2243_A		6,857.1	Cts/S	13.943	0.20334	6,857.1
Y_3600_A		204,380	Cts/S	6,105.2	2.9871	204,380

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:34:08PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6378	ug/L	0.3309	51.88	-11.75
Al3961_R		1.383	ug/L	0.9253	66.92	-0.5307
As1891_A		0.4107	ug/L	0.1905	46.39	-1.513
Au2427_A		1.409	ug/L	2.095	148.7	0.2869
B_2089_A		1.171	ug/L	0.09445	8.065	3.812
Ba4554_R		-0.2979	ug/L	0.01687	5.662	-20.10
Be3130_R		0.05702	ug/L	0.09042	158.6	-9.102
Ca3158_R		-10.30	ug/L	1.603	15.56	-7.732
Cd2265_A		0.09734	ug/L	0.09353	96.09	1.113
Co2286_A		0.3676	ug/L	0.005196	1.414	8.933
Cr2677_A		0.6199	ug/L	0.1572	25.36	12.28
Cu3273_A		-0.4749	ug/L	0.6484	136.5	15.39
Fe2599_R		6.260	ug/L	3.474	55.50	10.64
K_7664_R		54.34	ug/L	61.13	112.5	-28.92
Li6707_R		-1.055	ug/L	1.300	123.2	-0.7146
Mg2025_A		4.962	ug/L	2.061	41.55	0.5227
Mn2576_R		1.458	ug/L	0.6560	45.00	3.497
Mo2020_A		2.980	ug/L	0.2359	7.918	4.954

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:34:08PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		39.92	ug/L	17.98	45.04	-56.26
Ni2316_A		0.8554	ug/L	0.4806	56.19	0.06727
Pb2203_A		-0.1123	ug/L	1.961	1,747	-0.3469
Sb2068_A		1.983	ug/L	0.1641	8.279	1.409
Se1960_A		-0.01211	ug/L	0.9512	7,854	-0.9834
Si2516_R		1.689	ug/L	17.88	1,058	5.643
Sn1899_A		0.1937	ug/L	1.622	837.7	0.08374
Sr4215_R		-0.1737	ug/L	0.2313	133.2	-60.43
Ti3349_A		0.4080	ug/L	0.2225	54.54	-2.761
Tl1908_A		0.8137	ug/L	1.003	123.3	-0.3115
V_2924_A		0.5075	ug/L	0.2001	39.44	-3.514
Zn2062_A		0.2849	ug/L	0.04035	14.16	1.864
Y_3600_R		13,044	Cts/S	225.52	1.7289	13,044
Y_2243_A		6,934.0	Cts/S	25.481	0.36748	6,934.0
Y_3600_A		212,760	Cts/S	548.25	0.25769	212,760

SG5181-001L

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:38:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-2.128	ug/L	0.5336	25.08	-32.11
Al3961_R		-8.315	ug/L	20.01	240.7	-1.900
As1891_A		0.4608	ug/L	9.056	1,965	-1.536
Au2427_A		1.470	ug/L	2.979	202.6	-4.121
B_2089_A		3.839	ug/L	4.352	113.4	3.257
Ba4554_R		122.4	ug/L	2.170	1.772	704.6
Be3130_R		0.2820	ug/L	0.1499	53.18	-9.174
Ca3158_R		92,330	ug/L	2,301	2.492	13,970
Cd2265_A		-0.1449	ug/L	0.7214	497.8	0.01850
Co2286_A		1.802	ug/L	0.3894	21.61	8.505
Cr2677_A		2.346	ug/L	2.122	90.47	10.20
Cu3273_A		0.6545	ug/L	0.9813	149.9	21.65
Fe2599_R		2,974	ug/L	52.79	1.775	515.4
K_7664_R		11,040	ug/L	63.75	0.5776	1,000
Li6707_R		43.45	ug/L	22.25	51.20	72.30
Mg2025_A		19,490	ug/L	44.85	0.2302	684.7
Mn2576_R		2,059	ug/L	51.51	2.502	1,945
Mo2020_A		6.059	ug/L	1.483	24.48	1.757
Na5895_R	W	581,000	ug/L	19,190	3.303	141,100
Ni2316_A		4.325	ug/L	0.2087	4.825	0.04771
Pb2203_A		-1.332	ug/L	1.047	78.58	-0.4539
Sb2068_A		5.897	ug/L	12.03	204.1	1.123
Se1960_A		0.6380	ug/L	20.99	3,291	-0.8685
Si2516_R		9,157	ug/L	269.7	2.946	428.7
Sn1899_A		3.531	ug/L	4.021	113.9	0.2949
Sr4215_R		701.1	ug/L	16.26	2.319	5,444
Ti3349_A		0.3566	ug/L	0.5829	163.5	-10.38
Tl1908_A		2.841	ug/L	4.743	167.0	-0.6720
V_2924_A		4.733	ug/L	0.09678	2.045	-9.374
Zn2062_A		13.34	ug/L	0.5134	3.849	8.011
Y_3600_R		13,207	Cts/S	263.36	1.9940	13,207
Y_2243_A		6,597.1	Cts/S	6.5060	0.098618	6,597.1
Y_3600_A		198,220	Cts/S	3,836.0	1.9353	198,220

SG5181-001S

Method Name: K6010-2011 Method Revision: 845

SG5181-001S

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:43:10PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		56.42	ug/L	0.8301	1.471	861.3
Al3961_R		2,096	ug/L	56.53	2.697	868.9
As1891_A		110.4	ug/L	1.553	1.407	22.32
Au2427_A		-0.5984	ug/L	1.974	330.0	-12.14
B_2089_A		540.7	ug/L	3.769	0.6971	404.6
Ba4554_R	W	2,229	ug/L	39.39	1.767	61,010
Be3130_R		55.01	ug/L	1.141	2.074	2,555
Ca3158_R	W	97,000	ug/L	1,915	1.974	68,690
Cd2265_A		262.9	ug/L	2.296	0.8736	2,902
Co2286_A		527.3	ug/L	5.546	1.052	1,468
Cr2677_A		216.3	ug/L	3.698	1.709	2,482
Cu3273_A		266.6	ug/L	3.714	1.393	2,957
Fe2599_R		4,315	ug/L	52.32	1.213	3,467
K_7664_R		22,060	ug/L	269.8	1.223	9,817
Li6707_R		599.1	ug/L	12.00	2.002	4,222
Mg2025_A		22,100	ug/L	224.1	1.014	3,621
Mn2576_R	W	2,648	ug/L	45.54	1.719	11,730
Mo2020_A		321.7	ug/L	2.810	0.8733	498.5
Na5895_R	F	462,500	ug/L	1,130	0.2443	526,000
Ni2316_A		537.7	ug/L	3.637	0.6763	796.0
Pb2203_A		102.7	ug/L	0.2569	0.2501	83.51
Sb2068_A		110.7	ug/L	2.303	2.080	27.78
Se1960_A		109.0	ug/L	0.2055	0.1887	14.56
Si2516_R		14,640	ug/L	212.0	1.448	3,174
Sn1899_A		522.9	ug/L	4.695	0.8979	202.6
Sr4215_R	W	1,248	ug/L	24.76	1.984	45,750
Ti3349_A		541.6	ug/L	7.633	1.409	11,380
Tl1908_A		93.94	ug/L	1.435	1.528	32.42
V_2924_A		561.0	ug/L	7.830	1.396	5,456
Zn2062_A		549.4	ug/L	4.799	0.8734	1,334
Y_3600_R		12,359	Cts/S	87.256	0.70602	12,359
Y_2243_A		6,116.7	Cts/S	59.235	0.96841	6,116.7
Y_3600_A		180,990	Cts/S	1,373.9	0.75907	180,990

SG5181-001P

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:47:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		56.85	ug/L	0.5211	0.9167	867.0
Al3961_R		2,143	ug/L	34.55	1.612	879.0
As1891_A		111.1	ug/L	2.021	1.820	22.23
Au2427_A		-3.475	ug/L	0.5428	15.62	-19.62
B_2089_A		553.2	ug/L	3.891	0.7034	409.5
Ba4554_R	W	2,256	ug/L	37.42	1.659	61,090
Be3130_R		55.52	ug/L	1.123	2.022	2,550
Ca3158_R	W	98,410	ug/L	1,546	1.571	68,940
Cd2265_A		268.6	ug/L	1.018	0.3791	2,934
Co2286_A		538.2	ug/L	1.477	0.2744	1,482
Cr2677_A		218.8	ug/L	0.6990	0.3195	2,505
Cu3273_A		269.7	ug/L	1.109	0.4112	2,985
Fe2599_R		4,196	ug/L	80.24	1.912	3,335
K_7664_R		22,310	ug/L	441.4	1.978	9,824
Li6707_R		619.1	ug/L	12.14	1.960	4,316
Mg2025_A		22,610	ug/L	101.1	0.4469	3,664
Mn2576_R	W	2,667	ug/L	57.04	2.139	11,680
Mo2020_A		330.6	ug/L	1.831	0.5539	506.7

SG5181-001P

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:47:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	498,000	ug/L	21,380	4.294	560,300
Ni2316_A		551.7	ug/L	2.651	0.4805	808.0
Pb2203_A		103.9	ug/L	0.6620	0.6371	83.55
Sb2068_A		112.5	ug/L	1.206	1.072	27.90
Se1960_A		112.9	ug/L	2.922	2.587	14.95
Si2516_R		14,880	ug/L	290.2	1.950	3,191
Sn1899_A		537.6	ug/L	2.494	0.4639	206.0
Sr4215_R	W	1,273	ug/L	21.53	1.691	46,180
Ti3349_A		549.7	ug/L	4.326	0.7870	11,530
Tl1908_A		95.44	ug/L	0.7437	0.7792	32.61
V_2924_A		567.3	ug/L	4.666	0.8225	5,507
Zn2062_A		557.3	ug/L	2.514	0.4510	1,339
Y_3600_R		12,226	Cts/S	9.5083	0.077774	12,226
Y_2243_A		6,050.6	Cts/S	4.4892	0.074194	6,050.6
Y_3600_A		180,640	Cts/S	474.23	0.26253	180,640

SG5181-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:52:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.08434	ug/L	0.3417	405.1	-27.36
Al3961_R		544.1	ug/L	23.28	4.278	233.2
As1891_A		2.294	ug/L	1.320	57.54	-1.051
Au2427_A		0.4584	ug/L	0.5071	110.6	-3.662
B_2089_A		25.23	ug/L	0.4157	1.647	22.97
Ba4554_R		11.98	ug/L	0.4337	3.622	330.7
Be3130_R		0.1502	ug/L	0.02938	19.56	-5.088
Ca3158_R		4,032	ug/L	91.85	2.278	2,979
Cd2265_A		0.1522	ug/L	0.03505	23.02	2.841
Co2286_A		8.245	ug/L	0.1261	1.530	32.27
Cr2677_A		2.981	ug/L	0.04887	1.639	42.54
Cu3273_A		17.79	ug/L	0.2871	1.614	239.4
Fe2599_R		1,421	ug/L	25.62	1.803	1,195
K_7664_R		2,088	ug/L	43.38	2.078	920.6
Li6707_R		5.461	ug/L	1.540	28.20	47.22
Mg2025_A		761.4	ug/L	3.547	0.4658	134.1
Mn2576_R		537.1	ug/L	8.828	1.644	2,478
Mo2020_A		17.37	ug/L	0.3607	2.076	28.83
Na5895_R	W	129,700	ug/L	1,840	1.419	153,800
Ni2316_A		13.02	ug/L	0.5513	4.234	19.50
Pb2203_A		1.759	ug/L	0.9416	53.52	1.277
Sb2068_A		0.4130	ug/L	1.840	445.6	0.9204
Se1960_A		1.021	ug/L	0.2509	24.57	-0.7261
Si2516_R		12,150	ug/L	294.1	2.422	2,747
Sn1899_A		-0.3045	ug/L	0.3209	105.4	-0.1275
Sr4215_R		28.39	ug/L	0.2504	0.8818	1,034
Ti3349_A		24.12	ug/L	0.2377	0.9856	553.2
Tl1908_A		0.5683	ug/L	0.7147	125.8	-0.7645
V_2924_A		6.625	ug/L	0.1577	2.380	48.50
Zn2062_A		4.091	ug/L	0.06362	1.555	11.75
Y_3600_R		12,893	Cts/S	31.118	0.24135	12,893
Y_2243_A		6,607.9	Cts/S	1.1311	0.017117	6,607.9
Y_3600_A		201,710	Cts/S	372.27	0.18456	201,710

SG5181-003

Method Name: K6010-2011 Method Revision: 845

SG5181-003

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 6:56:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1113	ug/L	0.3856	346.5	-31.40
Al3961_R		178.4	ug/L	16.77	9.398	76.29
As1891_A		2.515	ug/L	0.4271	16.98	-0.9860
Au2427_A		-0.7336	ug/L	0.4884	66.57	-7.391
B_2089_A		13.29	ug/L	0.3855	2.901	13.71
Ba4554_R		41.08	ug/L	0.9647	2.348	1,162
Be3130_R		0.02767	ug/L	0.08356	302.0	-10.45
Ca3158_R		20,110	ug/L	424.9	2.113	14,860
Cd2265_A		0.03003	ug/L	0.02519	83.88	1.728
Co2286_A		2.383	ug/L	0.3111	13.05	14.30
Cr2677_A		2.365	ug/L	0.2853	12.06	33.35
Cu3273_A		1.053	ug/L	0.7127	67.67	31.61
Fe2599_R		1,931	ug/L	30.95	1.603	1,622
K_7664_R		3,697	ug/L	38.41	1.039	1,672
Li6707_R		8.744	ug/L	0.6257	7.155	71.37
Mg2025_A		3,637	ug/L	42.36	1.164	624.3
Mn2576_R		750.0	ug/L	13.58	1.811	3,463
Mo2020_A		33.23	ug/L	0.2164	0.6513	54.01
Na5895_R	F	282,900	ug/L	17,400	6.152	335,600
Ni2316_A		8.183	ug/L	1.063	12.99	11.46
Pb2203_A		0.1616	ug/L	0.03055	18.90	-0.09828
Sb2068_A		1.570	ug/L	1.273	81.05	1.197
Se1960_A		0.6879	ug/L	0.6854	99.64	-0.7336
Si2516_R		9,681	ug/L	123.9	1.280	2,191
Sn1899_A		0.2714	ug/L	1.280	471.4	0.1088
Sr4215_R		134.5	ug/L	2.443	1.816	5,098
Ti3349_A		6.370	ug/L	0.2568	4.031	130.9
Tl1908_A		-1.121	ug/L	0.09691	8.647	-1.539
V_2924_A		6.538	ug/L	0.1311	2.005	38.27
Zn2062_A		1.668	ug/L	0.1090	6.536	5.262
Y_3600_R		12,897	Cts/S	208.61	1.6175	12,897
Y_2243_A		6,443.2	Cts/S	48.923	0.75930	6,443.2
Y_3600_A		192,150	Cts/S	47.646	0.024796	192,150

SG5181-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:01:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2106	ug/L	0.5914	280.8	-33.29
Al3961_R		188.4	ug/L	18.57	9.854	78.67
As1891_A		1.850	ug/L	0.9736	52.62	-1.120
Au2427_A		-0.3865	ug/L	0.6343	164.1	-6.392
B_2089_A		13.25	ug/L	0.2739	2.067	13.49
Ba4554_R		42.63	ug/L	1.071	2.511	1,179
Be3130_R		0.1327	ug/L	0.06970	52.54	-5.217
Ca3158_R		21,050	ug/L	392.1	1.862	15,200
Cd2265_A		0.01676	ug/L	0.06418	383.0	1.608
Co2286_A		2.331	ug/L	0.05109	2.192	13.92
Cr2677_A		2.446	ug/L	0.1172	4.792	34.24
Cu3273_A		2.076	ug/L	0.4308	20.75	43.45
Fe2599_R		2,010	ug/L	30.44	1.515	1,649
K_7664_R		3,930	ug/L	22.52	0.5732	1,740
Li6707_R		12.04	ug/L	1.760	14.62	93.37
Mg2025_A		3,761	ug/L	28.29	0.7523	634.7
Mn2576_R		779.2	ug/L	10.61	1.361	3,516
Mo2020_A		34.49	ug/L	0.3119	0.9043	55.12

SG5181-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:01:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	316,100	ug/L	29,120	9.212	366,500
Ni2316_A		8.036	ug/L	0.3988	4.963	11.05
Pb2203_A		-0.9858	ug/L	0.006014	0.6100	-1.071
Sb2068_A		0.1116	ug/L	1.387	1,243	0.7927
Se1960_A		-0.8728	ug/L	3.714	425.5	-0.9447
Si2516_R		10,100	ug/L	170.6	1.690	2,233
Sn1899_A		1.187	ug/L	0.08269	6.967	0.4761
Sr4215_R		141.9	ug/L	2.604	1.835	5,257
Ti3349_A		6.502	ug/L	0.06588	1.013	133.3
Tl1908_A		-0.05603	ug/L	0.8110	1,448	-1.127
V_2924_A		6.745	ug/L	0.2085	3.092	39.43
Zn2062_A		1.514	ug/L	0.07862	5.193	4.787
Y_3600_R		12,603	Cts/S	118.72	0.94206	12,603
Y_2243_A		6,335.3	Cts/S	40.158	0.63387	6,335.3
Y_3600_A		191,360	Cts/S	409.32	0.21390	191,360

SG5181-005

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:05:53PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1278	ug/L	0.3385	264.8	-26.46
Al3961_R		31.77	ug/L	16.84	53.01	12.46
As1891_A		-1.802	ug/L	2.027	112.5	-2.041
Au2427_A		-0.9757	ug/L	0.1061	10.87	-6.799
B_2089_A		0.6893	ug/L	0.3103	45.01	3.324
Ba4554_R		0.9093	ug/L	0.06849	7.532	14.46
Be3130_R		0.08020	ug/L	0.1612	201.0	-7.669
Ca3158_R		-8.326	ug/L	3.169	38.05	-6.113
Cd2265_A		-0.07175	ug/L	0.06187	86.23	-0.9963
Co2286_A		0.2232	ug/L	0.04773	21.38	8.429
Cr2677_A		0.4943	ug/L	0.6499	131.5	10.80
Cu3273_A		-0.6285	ug/L	0.4003	63.69	13.61
Fe2599_R		5.313	ug/L	6.627	124.7	9.607
K_7664_R		87.32	ug/L	24.20	27.71	-12.95
Li6707_R		2.220	ug/L	2.751	123.9	23.41
Mg2025_A		2.243	ug/L	4.079	181.9	0.006236
Mn2576_R		0.8795	ug/L	0.1696	19.28	0.8104
Mo2020_A		0.6861	ug/L	0.0006732	0.09813	0.9180
Na5895_R		163.1	ug/L	1.204	0.7381	90.00
Ni2316_A		0.5761	ug/L	0.3612	62.70	-0.4010
Pb2203_A		-0.6762	ug/L	0.2690	39.78	-0.8692
Sb2068_A		2.502	ug/L	2.741	109.6	1.546
Se1960_A		-1.226	ug/L	1.158	94.48	-1.169
Si2516_R		36.00	ug/L	0.1108	0.3078	13.16
Sn1899_A		0.5216	ug/L	0.7213	138.3	0.2287
Sr4215_R		0.06551	ug/L	0.002962	4.522	-50.20
Ti3349_A		0.003722	ug/L	0.03795	1,020	-12.92
Tl1908_A		0.6181	ug/L	1.348	218.0	-0.3894
V_2924_A		0.2922	ug/L	0.4989	170.7	-5.903
Zn2062_A		0.9893	ug/L	0.1151	11.63	3.782
Y_3600_R		12,778	Cts/S	258.22	2.0209	12,778
Y_2243_A		6,894.0	Cts/S	43.047	0.62442	6,894.0
Y_3600_A		214,840	Cts/S	4,862.6	2.2633	214,840

SG5183-001

Method Name: K6010-2011 Method Revision: 845

SG5183-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:10:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5179	ug/L	0.1657	31.99	-45.48
Al3961_R		452.4	ug/L	12.54	2.772	182.3
As1891_A		2.861	ug/L	0.9334	32.63	-1.085
Au2427_A		-3.484	ug/L	0.2621	7.523	-29.53
B_2089_A		22.75	ug/L	0.1592	0.6997	19.03
Ba4554_R		114.8	ug/L	2.934	2.556	3,078
Be3130_R		0.01352	ug/L	0.02372	175.5	-10.86
Ca3158_R	W	228,100	ug/L	6,347	2.783	158,800
Cd2265_A		-0.02950	ug/L	0.01865	63.23	5.524
Co2286_A		3.283	ug/L	0.2611	7.953	16.40
Cr2677_A		3.227	ug/L	0.5075	15.73	49.49
Cu3273_A		129.1	ug/L	2.753	2.132	1,491
Fe2599_R		8,176	ug/L	276.2	3.379	6,453
K_7664_R		13,720	ug/L	294.9	2.150	5,981
Li6707_R		76.67	ug/L	7.402	9.655	536.6
Mg2025_A	W	68,930	ug/L	487.6	0.7074	11,220
Mn2576_R	W	6,010	ug/L	199.9	3.325	26,160
Mo2020_A		3.080	ug/L	0.01434	0.4655	4.517
Na5895_R	F	335,600	ug/L	11,600	3.455	375,200
Ni2316_A		5.974	ug/L	0.3183	5.328	7.253
Pb2203_A		3.392	ug/L	0.8836	26.05	2.664
Sb2068_A		2.436	ug/L	2.096	86.04	1.389
Se1960_A		2.286	ug/L	4.644	203.1	0.07129
Si2516_R		12,200	ug/L	381.6	3.128	2,599
Sn1899_A		0.04565	ug/L	0.2286	500.8	0.01749
Sr4215_R	W	1,434	ug/L	40.11	2.797	51,680
Ti3349_A		18.31	ug/L	0.3001	1.639	385.2
Tl1908_A		-0.07304	ug/L	1.264	1,730	-4.375
V_2924_A		8.366	ug/L	0.1524	1.822	-74.81
Zn2062_A		9.573	ug/L	0.08455	0.8832	24.14
Y_3600_R		12,151	Cts/S	251.83	2.0725	12,151
Y_2243_A		6,106.3	Cts/S	23.255	0.38084	6,106.3
Y_3600_A		186,440	Cts/S	2,356.5	1.2640	186,440

SG5183-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:15:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1556	ug/L	0.04383	28.16	-24.77
Al3961_R		24.32	ug/L	4.053	16.66	9.060
As1891_A		2.580	ug/L	0.02171	0.8414	-0.9109
Au2427_A		-0.2676	ug/L	1.239	463.0	-4.370
B_2089_A		5.303	ug/L	0.3449	6.503	6.825
Ba4554_R		22.24	ug/L	0.8633	3.882	598.9
Be3130_R		-0.02874	ug/L	0.01610	56.01	-12.60
Ca3158_R	W	63,170	ug/L	1,031	1.632	44,810
Cd2265_A		-0.08487	ug/L	0.02428	28.61	-1.049
Co2286_A		0.4408	ug/L	0.08125	18.43	8.487
Cr2677_A		1.842	ug/L	0.4320	23.45	26.54
Cu3273_A		-0.04371	ug/L	0.08527	195.1	19.41
Fe2599_R		45.07	ug/L	0.4501	0.9988	41.32
K_7664_R		5,279	ug/L	68.97	1.307	2,314
Li6707_R		10.40	ug/L	0.5606	5.391	80.11
Mg2025_A		12,680	ug/L	96.84	0.7636	2,171
Mn2576_R		8.064	ug/L	0.08415	1.044	32.66
Mo2020_A		7.631	ug/L	0.1157	1.516	12.17

SG5183-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:15:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	106,400	ug/L	537.7	0.5053	121,200
Ni2316_A		0.9976	ug/L	0.3396	34.04	0.2910
Pb2203_A		-1.092	ug/L	0.3481	31.88	-1.175
Sb2068_A		2.517	ug/L	0.9941	39.49	1.452
Se1960_A		-1.483	ug/L	3.434	231.6	-1.125
Si2516_R		4,584	ug/L	73.66	1.607	998.7
Sn1899_A		-0.5008	ug/L	0.1537	30.70	-0.2037
Sr4215_R		411.7	ug/L	6.646	1.614	15,080
Ti3349_A		-0.004721	ug/L	0.2413	5,112	-11.90
Tl1908_A		0.2296	ug/L	0.2181	95.01	-0.5198
V_2924_A		0.6851	ug/L	0.3498	51.07	-2.003
Zn2062_A		0.7344	ug/L	0.03343	4.552	2.870
Y_3600_R		12,380	Cts/S	109.96	0.88820	12,380
Y_2243_A		6,424.5	Cts/S	21.147	0.32917	6,424.5
Y_3600_A		196,380	Cts/S	1,014.6	0.51668	196,380

SG5184-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:19:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.5896	ug/L	0.02385	4.045	-25.15
Al3961_R		-0.07743	ug/L	7.075	9,137	-2.432
As1891_A		3.427	ug/L	0.1036	3.023	-1.662
Au2427_A		-0.09928	ug/L	0.06738	67.86	-9.012
B_2089_A		-1.779	ug/L	0.1109	6.235	2.751
Ba4554_R		0.1730	ug/L	0.1576	91.10	-11.66
Be3130_R		0.05997	ug/L	0.01238	20.65	-16.40
Ca3158_R		2.400	ug/L	2.059	85.77	3.311
Cd2265_A		-0.03239	ug/L	0.01363	42.08	-1.102
Co2286_A		-0.9670	ug/L	0.1501	15.52	10.15
Cr2677_A		-0.01895	ug/L	0.003497	18.45	7.378
Cu3273_A		0.2525	ug/L	0.2975	117.8	49.74
Fe2599_R		-3.988	ug/L	0.2704	6.780	3.663
K_7664_R		92.52	ug/L	13.39	14.48	-19.92
Li6707_R		-0.4542	ug/L	0.1875	41.28	6.956
Mg2025_A		0.4225	ug/L	1.569	371.5	-0.8081
Mn2576_R		0.8720	ug/L	0.2468	28.30	1.371
Mo2020_A		0.06351	ug/L	0.1293	203.6	-0.3634
Na5895_R		71.71	ug/L	18.40	25.66	-31.58
Ni2316_A		0.6412	ug/L	0.1690	26.36	-0.6299
Pb2203_A		0.4204	ug/L	0.2415	57.45	0.3185
Sb2068_A		-0.4962	ug/L	0.6521	131.4	1.486
Se1960_A		3.137	ug/L	0.9324	29.73	-1.037
Si2516_R		0.9991	ug/L	6.858	686.4	10.09
Sn1899_A		0.3357	ug/L	0.01846	5.498	0.3149
Sr4215_R		0.4755	ug/L	0.04447	9.353	-64.85
Ti3349_A		0.2809	ug/L	0.09553	34.01	-11.83
Tl1908_A		0.6909	ug/L	0.2177	31.52	-0.7781
V_2924_A		0.7629	ug/L	0.08274	10.85	-0.4234
Zn2062_A		-0.2008	ug/L	0.07989	39.79	1.129
Y_3600_R		23,955	Cts/S	1,528.2	6.3795	23,955
Y_2243_A		14,814	Cts/S	152.16	1.0271	14,814
Y_3600_A		424,710	Cts/S	7,876.5	1.8546	424,710

CCV

Method Name: K6010-2011 Method Revision: 845

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:24:08PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	529.6	ug/L	1.280	0.2416	9,462
Al3961_R		12,820	ug/L	180.7	1.410	5,347
As1891_A		506.3	ug/L	1.346	0.2658	117.3
Au2427_A		522.3	ug/L	6.610	1.266	1,509
B_2089_A		518.8	ug/L	3.745	0.7217	430.8
Ba4554_R		517.0	ug/L	9.434	1.825	14,290
Be3130_R		516.7	ug/L	6.493	1.257	24,400
Ca3158_R		13,170	ug/L	178.7	1.356	9,426
Cd2265_A	W	527.1	ug/L	4.856	0.9213	6,364
Co2286_A		522.3	ug/L	5.201	0.9957	1,589
Cr2677_A		511.3	ug/L	0.8006	0.1566	6,599
Cu3273_A		514.2	ug/L	2.428	0.4721	6,427
Fe2599_R		12,720	ug/L	186.6	1.467	10,310
K_7664_R	W	13,390	ug/L	150.8	1.127	6,000
Li6707_R	W	538.9	ug/L	6.447	1.196	3,838
Mg2025_A	W	13,500	ug/L	153.3	1.136	2,427
Mn2576_R		514.5	ug/L	7.959	1.547	2,300
Mo2020_A		517.3	ug/L	1.646	0.3181	876.3
Na5895_R	W	13,620	ug/L	218.0	1.600	15,560
Ni2316_A	W	542.0	ug/L	4.217	0.7779	877.1
Pb2203_A	W	532.5	ug/L	4.488	0.8427	474.7
Sb2068_A		511.8	ug/L	4.183	0.8174	142.2
Se1960_A		519.9	ug/L	3.488	0.6708	78.13
Si2516_R		12,890	ug/L	248.3	1.926	2,825
Sn1899_A	W	527.9	ug/L	4.934	0.9345	223.5
Sr4215_R	W	533.9	ug/L	8.876	1.662	19,750
Ti3349_A		523.1	ug/L	2.251	0.4302	12,390
Tl1908_A	W	530.2	ug/L	4.695	0.8855	212.8
V_2924_A		525.5	ug/L	0.006140	0.001168	5,782
Zn2062_A		517.3	ug/L	4.488	0.8675	1,372
Y_3600_R		12,487	Cts/S	42.890	0.34349	12,487
Y_2243_A		6,685.5	Cts/S	65.324	0.97709	6,685.5
Y_3600_A		204,030	Cts/S	1,360.9	0.66703	204,030

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:28:29PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4395	ug/L	0.1251	28.45	-15.36
Al3961_R		-7.557	ug/L	26.37	349.0	-4.249
As1891_A		-0.3730	ug/L	0.5546	148.7	-1.676
Au2427_A		1.728	ug/L	1.098	63.53	1.237
B_2089_A		0.6587	ug/L	0.5723	86.88	3.334
Ba4554_R		-0.2192	ug/L	0.3735	170.4	-16.94
Be3130_R		0.1897	ug/L	0.03833	20.21	-2.381
Ca3158_R		-4.753	ug/L	7.710	162.2	-3.434
Cd2265_A		0.04265	ug/L	0.001786	4.187	0.4219
Co2286_A		0.2193	ug/L	0.03510	16.01	8.326
Cr2677_A		0.5007	ug/L	0.3386	67.62	10.62
Cu3273_A		-0.6687	ug/L	0.2591	38.74	12.80
Fe2599_R		3.010	ug/L	1.480	49.18	7.502
K_7664_R		12.73	ug/L	13.19	103.6	-45.81
Li6707_R		-0.01139	ug/L	1.040	9,135	6.784
Mg2025_A		4.527	ug/L	3.264	72.10	0.4311
Mn2576_R		0.7857	ug/L	0.6966	88.66	0.3771
Mo2020_A		3.016	ug/L	0.6402	21.22	4.934

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:28:29PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		35.04	ug/L	4.730	13.50	-58.64
Ni2316_A		0.5709	ug/L	0.05213	9.132	-0.4022
Pb2203_A		0.1089	ug/L	0.7828	718.7	-0.1421
Sb2068_A		1.152	ug/L	0.7192	62.44	1.148
Se1960_A		1.652	ug/L	1.277	77.30	-0.7086
Si2516_R		25.60	ug/L	4.917	19.20	10.48
Sn1899_A		1.131	ug/L	0.1816	16.05	0.4886
Sr4215_R		-0.1572	ug/L	0.08590	54.64	-56.73
Ti3349_A		0.2057	ug/L	0.02952	14.35	-7.715
Tl1908_A		1.099	ug/L	0.3347	30.44	-0.1894
V_2924_A		0.7955	ug/L	0.09331	11.73	-0.1405
Zn2062_A		0.3031	ug/L	0.06224	20.54	1.882
Y_3600_R		12,356	Cts/S	133.68	1.0819	12,356
Y_2243_A		6,818.3	Cts/S	14.001	0.20535	6,818.3
Y_3600_A		211,360	Cts/S	511.56	0.24203	211,360

SG5184-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:33:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1600	ug/L	0.1341	83.82	-20.03
Al3961_R		29.99	ug/L	14.72	49.07	11.91
As1891_A		2.919	ug/L	0.5558	19.04	-0.8623
Au2427_A		-0.9478	ug/L	0.7386	77.93	-6.455
B_2089_A		5.469	ug/L	0.2430	4.443	7.395
Ba4554_R		5.178	ug/L	0.07002	1.352	135.4
Be3130_R		0.09382	ug/L	0.01231	13.13	-7.064
Ca3158_R		21,830	ug/L	523.0	2.395	16,000
Cd2265_A		-0.01852	ug/L	0.03905	210.8	-0.2776
Co2286_A		-0.1034	ug/L	0.2237	216.3	7.145
Cr2677_A		0.8938	ug/L	0.1629	18.22	15.27
Cu3273_A		0.05546	ug/L	0.09454	170.5	21.36
Fe2599_R		55.93	ug/L	0.1287	0.2301	51.71
K_7664_R		2,112	ug/L	9.272	0.4391	924.3
Li6707_R		2.217	ug/L	1.578	71.17	23.24
Mg2025_A		1,713	ug/L	22.43	1.309	303.2
Mn2576_R		6.521	ug/L	0.5491	8.421	26.66
Mo2020_A		14.24	ug/L	0.1262	0.8861	23.74
Na5895_R	W	37,700	ug/L	656.9	1.742	44,290
Ni2316_A		0.4760	ug/L	0.1264	26.55	-0.5249
Pb2203_A		-0.7875	ug/L	0.6890	87.49	-0.9563
Sb2068_A		0.7727	ug/L	0.9358	121.1	1.018
Se1960_A		0.6752	ug/L	0.03300	4.887	-0.8386
Si2516_R		4,439	ug/L	119.1	2.683	999.1
Sn1899_A		-0.2278	ug/L	0.5593	245.6	-0.09745
Sr4215_R		148.0	ug/L	3.014	2.036	5,570
Ti3349_A		-0.2741	ug/L	0.04965	18.11	-18.64
Tl1908_A		1.009	ug/L	0.4559	45.19	-0.2267
V_2924_A		1.595	ug/L	0.2496	15.65	7.578
Zn2062_A		2.366	ug/L	0.1466	6.197	7.276
Y_3600_R		12,790	Cts/S	75.552	0.59073	12,790
Y_2243_A		6,649.6	Cts/S	85.992	1.2932	6,649.6
Y_3600_A		203,550	Cts/S	3,080.5	1.5133	203,550

PBSGG24ICS1

Method Name: K6010-2011 Method Revision: 845

PBSGG24ICS1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:37:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.02302	ug/L	0.2141	930.4	-24.19
Al3961_R		-7.657	ug/L	4.055	52.96	-4.344
As1891_A		-0.1894	ug/L	0.9523	502.9	-1.637
Au2427_A		1.363	ug/L	0.7019	51.51	0.1623
B_2089_A		0.9403	ug/L	0.2431	25.86	3.501
Ba4554_R		0.3885	ug/L	0.8134	209.4	-0.3493
Be3130_R		0.02937	ug/L	0.05995	204.1	-10.06
Ca3158_R		72.78	ug/L	2.348	3.226	52.45
Cd2265_A		0.02685	ug/L	0.07398	275.5	0.2407
Co2286_A		-0.03850	ug/L	0.09490	246.5	7.551
Cr2677_A		0.6229	ug/L	0.09936	15.95	12.31
Cu3273_A		0.07925	ug/L	0.05323	67.17	22.58
Fe2599_R		19.27	ug/L	3.564	18.49	20.91
K_7664_R		51.48	ug/L	21.77	42.30	-28.93
Li6707_R		-0.1879	ug/L	2.191	1,166	5.543
Mg2025_A		31.89	ug/L	0.05610	0.1759	5.392
Mn2576_R		1.612	ug/L	0.09529	5.912	4.092
Mo2020_A		0.8137	ug/L	0.1212	14.89	1.131
Na5895_R		100.9	ug/L	0.6430	0.6376	16.48
Ni2316_A		0.6575	ug/L	0.1637	24.90	-0.2651
Pb2203_A		-0.9030	ug/L	0.8585	95.08	-1.064
Sb2068_A		1.432	ug/L	0.8998	62.85	1.173
Se1960_A		-1.682	ug/L	0.06015	3.575	-1.228
Si2516_R		27.33	ug/L	3.209	11.74	11.06
Sn1899_A		21.93	ug/L	0.8197	3.738	9.489
Sr4215_R		0.1314	ug/L	0.1001	76.18	-46.99
Ti3349_A		0.7347	ug/L	0.1501	20.43	5.287
Tl1908_A		0.3682	ug/L	0.5142	139.6	-0.4921
V_2924_A		0.3785	ug/L	0.5248	138.7	-4.786
Zn2062_A		1.400	ug/L	0.1792	12.80	4.860
Y_3600_R		12,584	Cts/S	99.592	0.79139	12,584
Y_2243_A		6,831.6	Cts/S	16.683	0.24420	6,831.6
Y_3600_A		212,550	Cts/S	1,035.9	0.48736	212,550

LCSOGG24ICS1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:42:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.25	ug/L	0.8346	1.567	940.8
Al3961_R		2,005	ug/L	20.49	1.022	847.2
As1891_A		99.97	ug/L	1.217	1.217	22.17
Au2427_A		-0.3646	ug/L	0.1989	54.54	-6.211
B_2089_A		509.2	ug/L	0.8216	0.1614	418.9
Ba4554_R		2,039	ug/L	27.56	1.352	56,880
Be3130_R		51.71	ug/L	0.7805	1.509	2,447
Ca3158_R		2,690	ug/L	21.15	0.7862	1,942
Cd2265_A		257.8	ug/L	0.7614	0.2954	3,124
Co2286_A		528.8	ug/L	0.02609	0.004934	1,617
Cr2677_A		204.1	ug/L	3.739	1.832	2,671
Cu3273_A		259.9	ug/L	5.019	1.931	3,294
Fe2599_R		1,028	ug/L	17.55	1.708	845.7
K_7664_R		10,440	ug/L	35.88	0.3437	4,709
Li6707_R		529.1	ug/L	4.112	0.7773	3,802
Mg2025_A		5,370	ug/L	12.10	0.2253	981.7
Mn2576_R		505.0	ug/L	4.745	0.9395	2,277
Mo2020_A		306.7	ug/L	1.400	0.4564	522.1

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Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:42:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		8,042	ug/L	81.63	1.015	9,226
Ni2316_A		546.1	ug/L	1.016	0.1860	888.5
Pb2203_A		106.7	ug/L	1.449	1.358	95.30
Sb2068_A		100.8	ug/L	0.9880	0.9806	27.65
Se1960_A		100.2	ug/L	1.250	1.248	14.41
Si2516_R	F	2,505	ug/L	55.51	2.216	558.6
Sn1899_A		546.2	ug/L	1.933	0.3538	232.5
Sr4215_R		522.8	ug/L	6.158	1.178	19,510
Ti3349_A		513.3	ug/L	7.342	1.430	12,320
Tl1908_A		104.3	ug/L	1.697	1.626	41.34
V_2924_A		520.0	ug/L	6.940	1.334	5,829
Zn2062_A		517.5	ug/L	0.8941	0.1728	1,380
Y_3600_R		12,600	Cts/S	83.385	0.66180	12,600
Y_2243_A		6,720.1	Cts/S	20.780	0.30922	6,720.1
Y_3600_A		206,690	Cts/S	1,746.1	0.84480	206,690

SG5238-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:46:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1284	ug/L	0.5343	416.2	-27.32
Al3961_R		1,861	ug/L	202.7	10.89	768.1
As1891_A		0.3977	ug/L	2.621	659.1	-1.543
Au2427_A		0.09993	ug/L	0.3444	344.6	-3.037
B_2089_A		3.438	ug/L	0.4930	14.34	5.609
Ba4554_R		13.35	ug/L	0.7186	5.385	356.1
Be3130_R		0.1042	ug/L	0.05040	48.37	-12.52
Ca3158_R		1,924	ug/L	214.0	11.12	1,365
Cd2265_A		0.003172	ug/L	0.05151	1,624	0.9285
Co2286_A		0.3555	ug/L	0.1781	50.11	10.24
Cr2677_A		3.406	ug/L	0.008129	0.2387	50.08
Cu3273_A		6.257	ug/L	0.2473	3.953	97.16
Fe2599_R		957.2	ug/L	110.6	11.55	774.6
K_7664_R		115.2	ug/L	16.69	14.49	0.3991
Li6707_R		0.1256	ug/L	3.187	2,537	6.766
Mg2025_A		194.5	ug/L	3.452	1.775	35.30
Mn2576_R		5.692	ug/L	0.8171	14.36	22.14
Mo2020_A		2.045	ug/L	0.2456	12.01	3.288
Na5895_R		293.6	ug/L	33.37	11.37	235.4
Ni2316_A		1.803	ug/L	0.09120	5.058	1.596
Pb2203_A		16.98	ug/L	0.4561	2.687	15.22
Sb2068_A		-0.6600	ug/L	1.450	219.7	0.6073
Se1960_A		-0.4437	ug/L	0.2236	50.39	-1.054
Si2516_R		1,380	ug/L	153.8	11.15	304.2
Sn1899_A		21.79	ug/L	0.9888	4.538	9.497
Sr4215_R		11.93	ug/L	1.472	12.34	387.2
Ti3349_A		188.1	ug/L	3.998	2.125	4,663
Tl1908_A		0.6690	ug/L	0.07297	10.91	-0.4606
V_2924_A		4.032	ug/L	0.3014	7.476	39.43
Zn2062_A		2.872	ug/L	0.1198	4.173	8.905
Y_3600_R		12,445	Cts/S	1,100.0	8.8390	12,445
Y_2243_A		6,881.1	Cts/S	28.283	0.41103	6,881.1
Y_3600_A		214,010	Cts/S	1,571.5	0.73431	214,010

SG5265-001

Method Name: K6010-2011 Method Revision: 845

SG5265-001

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:51:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.313	ug/L	0.3138	13.57	-363.3
Al3961_R	W	62,800	ug/L	2,178	3.469	27,600
As1891_A		37.03	ug/L	2.334	6.302	4.317
Au2427_A		-1.861	ug/L	0.3474	18.67	33.89
B_2089_A		10.80	ug/L	0.03906	0.3618	11.65
Ba4554_R		101.6	ug/L	3.298	3.246	2,953
Be3130_R		2.226	ug/L	0.09084	4.081	-47.79
Ca3158_R		3,567	ug/L	121.4	3.403	2,693
Cd2265_A		1.201	ug/L	0.1206	10.05	81.55
Co2286_A		11.17	ug/L	0.4165	3.728	78.23
Cr2677_A		74.52	ug/L	0.2536	0.3404	1,002
Cu3273_A		58.04	ug/L	0.4054	0.6986	619.5
Fe2599_R	W	76,230	ug/L	2,533	3.322	65,200
K_7664_R		2,970	ug/L	43.85	1.477	1,361
Li6707_R		60.47	ug/L	4.682	7.742	460.8
Mg2025_A		7,304	ug/L	15.11	0.2068	1,333
Mn2576_R		550.7	ug/L	17.11	3.108	2,601
Mo2020_A		4.899	ug/L	0.2126	4.340	8.144
Na5895_R		1,142	ug/L	19.56	1.714	1,279
Ni2316_A		53.07	ug/L	0.07821	0.1474	82.63
Pb2203_A	W	1,243	ug/L	4.063	0.3268	1,133
Sb2068_A		8.867	ug/L	0.5629	6.349	3.976
Se1960_A		3.587	ug/L	2.284	63.67	-0.8497
Si2516_R		3,828	ug/L	63.24	1.652	886.8
Sn1899_A		32.98	ug/L	0.3851	1.168	14.29
Sr4215_R		30.72	ug/L	0.6888	2.242	1,148
Ti3349_A	W	4,439	ug/L	13.87	0.3123	108,900
Tl1908_A		-0.1026	ug/L	1.246	1,214	-3.168
V_2924_A		257.6	ug/L	1.074	0.4170	3,008
Zn2062_A		153.3	ug/L	0.2485	0.1621	416.8
Y_3600_R		13,174	Cts/S	40.848	0.31007	13,174
Y_2243_A		6,838.9	Cts/S	5.5786	0.081572	6,838.9
Y_3600_A		211,230	Cts/S	298.32	0.14123	211,230

SG5265-001L

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:55:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.688	ug/L	2.481	92.31	-94.09
Al3961_R		65,820	ug/L	1,551	2.356	5,593
As1891_A		33.62	ug/L	5.835	17.36	-0.6136
Au2427_A		-3.582	ug/L	0.04505	1.258	3.211
B_2089_A		9.030	ug/L	0.2975	3.295	4.254
Ba4554_R		104.2	ug/L	1.062	1.019	576.6
Be3130_R		2.661	ug/L	0.03077	1.156	-14.73
Ca3158_R		3,679	ug/L	17.14	0.4659	537.1
Cd2265_A		0.9145	ug/L	0.5050	55.22	16.37
Co2286_A		12.05	ug/L	0.2868	2.380	22.59
Cr2677_A		79.06	ug/L	1.375	1.739	215.1
Cu3273_A		52.79	ug/L	0.4145	0.7851	126.8
Fe2599_R		80,780	ug/L	2,653	3.284	13,370
K_7664_R		3,018	ug/L	375.8	12.45	225.2
Li6707_R		48.40	ug/L	0.7387	1.526	77.25
Mg2025_A		7,495	ug/L	52.83	0.7049	274.8
Mn2576_R		578.9	ug/L	22.99	3.971	526.3
Mo2020_A		7.443	ug/L	0.4263	5.728	2.301

SG5265-001L

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 7:55:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,207	ug/L	40.18	3.328	181.6
Ni2316_A		56.15	ug/L	3.773	6.719	16.51
Pb2203_A		1,266	ug/L	11.68	0.9221	232.0
Sb2068_A		9.257	ug/L	1.345	14.53	1.496
Se1960_A		-0.5875	ug/L	6.395	1,088	-1.085
Si2516_R		4,063	ug/L	160.2	3.943	186.0
Sn1899_A		35.06	ug/L	3.803	10.85	3.054
Sr4215_R		30.88	ug/L	0.4020	1.302	181.1
Ti3349_A		4,502	ug/L	123.7	2.747	22,030
Tl1908_A		1.986	ug/L	0.9957	50.14	-0.9901
V_2924_A		260.9	ug/L	8.117	3.111	600.6
Zn2062_A		154.2	ug/L	0.3583	0.2323	85.22
Y_3600_R		12,739	Cts/S	45.678	0.35856	12,739
Y_2243_A		6,878.4	Cts/S	23.618	0.34336	6,878.4
Y_3600_A		210,780	Cts/S	3,761.8	1.7847	210,780

SG5265-001A

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:00:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		520.2	ug/L	0.3929	0.07553	9,197
Al3961_R	W	64,290	ug/L	773.1	1.202	28,030
As1891_A		533.9	ug/L	1.038	0.1945	124.2
Au2427_A		-1.651	ug/L	0.7813	47.31	33.48
B_2089_A		519.9	ug/L	2.890	0.5559	441.2
Ba4554_R		588.0	ug/L	7.608	1.294	17,010
Be3130_R		490.6	ug/L	8.797	1.793	24,100
Ca3158_R		4,124	ug/L	61.29	1.486	3,087
Cd2265_A		501.1	ug/L	1.441	0.2876	6,250
Co2286_A		512.8	ug/L	1.313	0.2560	1,633
Cr2677_A		559.8	ug/L	1.627	0.2907	7,407
Cu3273_A		566.4	ug/L	0.3697	0.06527	7,104
Fe2599_R	W	77,730	ug/L	1,419	1.826	65,940
K_7664_R		8,035	ug/L	184.1	2.291	3,745
Li6707_R		570.9	ug/L	5.960	1.044	4,254
Mg2025_A		7,653	ug/L	19.48	0.2546	1,418
Mn2576_R	W	1,041	ug/L	15.92	1.530	4,875
Mo2020_A		500.6	ug/L	5.502	1.099	867.9
Na5895_R		1,647	ug/L	26.77	1.626	1,876
Ni2316_A		572.0	ug/L	1.379	0.2411	943.9
Pb2203_A	W	1,736	ug/L	2.775	0.1599	1,584
Sb2068_A		503.6	ug/L	1.558	0.3094	145.1
Se1960_A		520.1	ug/L	7.694	1.479	79.63
Si2516_R		4,143	ug/L	87.30	2.107	952.9
Sn1899_A		31.55	ug/L	0.1301	0.4125	13.67
Sr4215_R		527.1	ug/L	9.170	1.740	20,400
Ti3349_A	W	4,968	ug/L	19.15	0.3854	120,700
Tl1908_A		513.7	ug/L	2.002	0.3897	208.5
V_2924_A		756.8	ug/L	4.882	0.6451	8,614
Zn2062_A		648.0	ug/L	0.8276	0.1277	1,759
Y_3600_R		13,066	Cts/S	90.070	0.68937	13,066
Y_2243_A		6,842.1	Cts/S	4.1781	0.061065	6,842.1
Y_3600_A		209,130	Cts/S	447.61	0.21404	209,130

SG5265-001S

Method Name: K6010-2011 Method Revision: 845

SG5265-001S

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:04:24PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.71	ug/L	0.08389	0.1533	547.2
Al3961_R	W	83,090	ug/L	843.7	1.015	35,280
As1891_A		127.9	ug/L	0.8245	0.6447	25.68
Au2427_A		-4.031	ug/L	0.9353	23.20	30.82
B_2089_A		480.5	ug/L	0.9357	0.1948	399.2
Ba4554_R	W	2,080	ug/L	27.65	1.330	58,620
Be3130_R		52.77	ug/L	0.6319	1.197	2,360
Ca3158_R		8,145	ug/L	72.68	0.8923	5,939
Cd2265_A		243.4	ug/L	1.289	0.5295	3,052
Co2286_A		506.4	ug/L	3.046	0.6015	1,604
Cr2677_A		275.5	ug/L	0.1156	0.04195	3,609
Cu3273_A		317.8	ug/L	0.4913	0.1546	3,859
Fe2599_R	W	86,470	ug/L	1,467	1.697	71,450
K_7664_R		14,840	ug/L	108.8	0.7329	6,783
Li6707_R		586.0	ug/L	6.792	1.159	4,253
Mg2025_A		12,910	ug/L	19.94	0.1545	2,355
Mn2576_R	W	1,193	ug/L	13.32	1.117	5,442
Mo2020_A		289.5	ug/L	2.799	0.9667	497.4
Na5895_R		8,461	ug/L	60.62	0.7164	9,811
Ni2316_A		561.2	ug/L	2.290	0.4080	917.2
Pb2203_A		716.7	ug/L	2.142	0.2988	643.1
Sb2068_A		61.34	ug/L	0.9840	1.604	17.79
Se1960_A		103.3	ug/L	1.352	1.308	14.51
Si2516_R		4,294	ug/L	52.35	1.219	961.1
Sn1899_A		514.2	ug/L	1.528	0.2971	220.9
Sr4215_R		547.1	ug/L	6.646	1.215	20,620
Ti3349_A	W	5,581	ug/L	8.681	0.1555	134,100
Tl1908_A		96.29	ug/L	0.9061	0.9410	35.58
V_2924_A		752.6	ug/L	1.243	0.1651	8,508
Zn2062_A		647.1	ug/L	1.349	0.2086	1,742
Y_3600_R		12,725	Cts/S	88.360	0.69438	12,725
Y_2243_A		6,783.3	Cts/S	26.638	0.39270	6,783.3
Y_3600_A		206,790	Cts/S	304.21	0.14711	206,790

SG5265-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:08:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.966	ug/L	0.2720	9.170	-384.4
Al3961_R	W	68,600	ug/L	642.3	0.9362	29,330
As1891_A		40.62	ug/L	0.8078	1.989	4.773
Au2427_A		-2.285	ug/L	0.9058	39.64	36.45
B_2089_A		11.86	ug/L	0.05614	0.4732	12.38
Ba4554_R		110.3	ug/L	1.079	0.9784	3,120
Be3130_R		2.514	ug/L	0.1587	6.314	-41.29
Ca3158_R		3,770	ug/L	29.69	0.7876	2,769
Cd2265_A		0.9731	ug/L	0.1421	14.61	84.51
Co2286_A		16.29	ug/L	0.2353	1.445	94.91
Cr2677_A		81.65	ug/L	0.05151	0.06309	1,077
Cu3273_A		64.43	ug/L	0.4518	0.7012	679.8
Fe2599_R	W	84,650	ug/L	755.7	0.8928	70,450
K_7664_R		3,332	ug/L	19.23	0.5772	1,492
Li6707_R		68.43	ug/L	1.448	2.116	506.4
Mg2025_A		7,713	ug/L	34.51	0.4475	1,385
Mn2576_R		703.8	ug/L	7.815	1.110	3,235
Mo2020_A		6.913	ug/L	0.3780	5.468	11.44

SG5265-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:08:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,413	ug/L	4.429	0.3134	1,565
Ni2316_A		56.25	ug/L	0.6331	1.126	86.07
Pb2203_A	W	1,389	ug/L	8.384	0.6034	1,246
Sb2068_A		7.283	ug/L	1.535	21.07	3.542
Se1960_A		4.710	ug/L	4.496	95.46	-0.6948
Si2516_R		4,094	ug/L	10.79	0.2636	922.1
Sn1899_A		34.33	ug/L	0.6220	1.812	14.63
Sr4215_R		33.94	ug/L	0.4122	1.215	1,239
Ti3349_A	W	4,713	ug/L	10.53	0.2234	113,500
Tl1908_A		1.375	ug/L	0.6793	49.39	-2.746
V_2924_A		277.6	ug/L	1.241	0.4470	3,179
Zn2062_A		164.1	ug/L	0.7049	0.4295	439.1
Y_3600_R		12,817	Cts/S	117.06	0.91330	12,817
Y_2243_A		6,729.5	Cts/S	24.558	0.36493	6,729.5
Y_3600_A		207,270	Cts/S	220.59	0.10643	207,270

SG5265-003

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:13:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		4.256	ug/L	0.4250	9.986	-454.2
Al3961_R	W	64,430	ug/L	689.8	1.071	27,790
As1891_A		64.47	ug/L	1.138	1.765	9.838
Au2427_A		-3.305	ug/L	0.05280	1.598	43.82
B_2089_A		14.42	ug/L	0.2581	1.789	14.62
Ba4554_R		205.6	ug/L	3.065	1.491	5,878
Be3130_R		2.559	ug/L	0.02494	0.9746	-71.09
Ca3158_R		7,274	ug/L	77.53	1.066	5,389
Cd2265_A		1.844	ug/L	0.1377	7.469	112.2
Co2286_A		19.30	ug/L	0.3884	2.013	113.5
Cr2677_A		120.4	ug/L	0.1891	0.1571	1,594
Cu3273_A		96.29	ug/L	0.2420	0.2513	1,053
Fe2599_R	W	103,200	ug/L	855.0	0.8286	86,630
K_7664_R		5,379	ug/L	133.7	2.486	2,464
Li6707_R		90.30	ug/L	2.717	3.010	671.9
Mg2025_A		14,430	ug/L	97.89	0.6782	2,618
Mn2576_R		943.5	ug/L	8.621	0.9137	4,375
Mo2020_A		8.327	ug/L	0.1544	1.854	13.96
Na5895_R		1,173	ug/L	27.37	2.334	1,293
Ni2316_A		98.70	ug/L	0.7575	0.7675	156.0
Pb2203_A	W	11,560	ug/L	98.36	0.8507	10,530
Sb2068_A		12.28	ug/L	0.4731	3.852	5.118
Se1960_A		4.359	ug/L	1.956	44.87	-0.7773
Si2516_R		3,902	ug/L	3.290	0.08430	886.4
Sn1899_A		38.00	ug/L	0.6146	1.617	16.37
Sr4215_R		58.53	ug/L	0.4748	0.8112	2,194
Ti3349_A	W	5,739	ug/L	8.783	0.1530	138,900
Tl1908_A		-1.299	ug/L	0.8788	67.65	-4.574
V_2924_A		421.6	ug/L	0.5422	0.1286	4,843
Zn2062_A		239.7	ug/L	1.508	0.6291	647.6
Y_3600_R		12,929	Cts/S	86.341	0.66780	12,929
Y_2243_A		6,800.3	Cts/S	33.600	0.49410	6,800.3
Y_3600_A		208,370	Cts/S	494.79	0.23745	208,370

CCV

Method Name: K6010-2011 Method Revision: 845

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:17:42PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	528.9	ug/L	0.1391	0.02631	9,501
Al3961_R		12,630	ug/L	94.40	0.7472	5,251
As1891_A		503.2	ug/L	1.362	0.2706	117.5
Au2427_A		520.5	ug/L	3.525	0.6771	1,515
B_2089_A		512.9	ug/L	1.240	0.2417	429.1
Ba4554_R		510.6	ug/L	5.965	1.168	14,060
Be3130_R		510.8	ug/L	6.091	1.193	24,030
Ca3158_R		13,070	ug/L	132.5	1.014	9,315
Cd2265_A		521.3	ug/L	1.689	0.3240	6,340
Co2286_A		515.8	ug/L	2.369	0.4594	1,581
Cr2677_A		508.5	ug/L	0.7607	0.1496	6,598
Cu3273_A		511.3	ug/L	1.024	0.2003	6,425
Fe2599_R		12,600	ug/L	192.7	1.530	10,180
K_7664_R	W	13,270	ug/L	95.86	0.7223	5,924
Li6707_R	W	531.5	ug/L	3.190	0.6002	3,770
Mg2025_A	W	13,370	ug/L	75.87	0.5673	2,421
Mn2576_R		511.1	ug/L	5.665	1.108	2,276
Mo2020_A		512.8	ug/L	0.1571	0.03064	875.0
Na5895_R	W	13,680	ug/L	145.7	1.065	15,570
Ni2316_A	W	536.5	ug/L	2.259	0.4211	874.3
Pb2203_A	W	527.2	ug/L	1.259	0.2388	473.4
Sb2068_A		507.6	ug/L	2.266	0.4465	142.0
Se1960_A		512.5	ug/L	1.498	0.2923	77.57
Si2516_R		12,720	ug/L	164.9	1.296	2,777
Sn1899_A		522.2	ug/L	0.6630	0.1270	222.7
Sr4215_R	W	531.1	ug/L	6.156	1.159	19,570
Ti3349_A		525.5	ug/L	2.917	0.5551	12,520
Tl1908_A		524.7	ug/L	2.522	0.4805	212.1
V_2924_A		522.8	ug/L	3.394	0.6493	5,784
Zn2062_A		509.9	ug/L	2.485	0.4874	1,362
Y_3600_R		12,439	Cts/S	2.6075	0.020962	12,439
Y_2243_A		6,733.8	Cts/S	15.972	0.23720	6,733.8
Y_3600_A		205,140	Cts/S	54.477	0.026557	205,140

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:22:04PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.06726	ug/L	0.05947	88.41	-24.74
Al3961_R		-3.710	ug/L	5.001	134.8	-2.655
As1891_A		-0.06507	ug/L	0.6715	1,032	-1.599
Au2427_A		1.450	ug/L	1.102	75.99	0.4103
B_2089_A		1.573	ug/L	1.031	65.58	4.057
Ba4554_R		-0.05581	ug/L	0.3224	577.7	-12.65
Be3130_R		0.2286	ug/L	0.05307	23.22	-0.6006
Ca3158_R		-4.821	ug/L	7.340	152.3	-3.509
Cd2265_A		0.1458	ug/L	0.009135	6.267	1.684
Co2286_A		0.3037	ug/L	0.002070	0.6816	8.572
Cr2677_A		0.2333	ug/L	0.1568	67.20	7.025
Cu3273_A		-0.9370	ug/L	0.4692	50.07	9.258
Fe2599_R		0.9918	ug/L	1.398	140.9	5.983
K_7664_R		47.67	ug/L	32.30	67.75	-30.71
Li6707_R		-3.760	ug/L	3.007	79.98	-19.96
Mg2025_A		4.927	ug/L	2.126	43.14	0.5041
Mn2576_R		0.7249	ug/L	0.6751	93.12	0.09627
Mo2020_A		2.721	ug/L	0.4473	16.44	4.416

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:22:04PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		11.92	ug/L	31.25	262.2	-86.48
Ni2316_A		0.8646	ug/L	0.2847	32.93	0.08284
Pb2203_A		0.6289	ug/L	0.6348	100.9	0.3321
Sb2068_A		1.497	ug/L	1.209	80.75	1.244
Se1960_A		0.7602	ug/L	0.1698	22.33	-0.8449
Si2516_R		6.880	ug/L	16.83	244.6	6.548
Sn1899_A		0.3020	ug/L	0.2140	70.88	0.1300
Sr4215_R		-0.07882	ug/L	0.2083	264.3	-54.81
Ti3349_A		1.037	ug/L	0.2192	21.14	12.64
Tl1908_A		1.069	ug/L	1.191	111.4	-0.2006
V_2924_A		0.3422	ug/L	0.7315	213.8	-5.302
Zn2062_A		0.2714	ug/L	0.04458	16.43	1.793
Y_3600_R		12,581	Cts/S	28.435	0.22601	12,581
Y_2243_A		6,802.2	Cts/S	16.228	0.23857	6,802.2
Y_3600_A		210,770	Cts/S	986.16	0.46789	210,770

SG5265-004

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:26:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.283	ug/L	0.2369	10.38	-209.5
Al3961_R	W	26,770	ug/L	431.1	1.610	11,420
As1891_A		59.76	ug/L	0.1786	0.2989	11.04
Au2427_A		-1.215	ug/L	0.1271	10.46	18.64
B_2089_A		15.70	ug/L	0.3771	2.401	15.77
Ba4554_R		167.1	ug/L	2.578	1.542	4,721
Be3130_R		0.9571	ug/L	0.01871	1.955	-55.06
Ca3158_R		6,801	ug/L	100.6	1.479	4,983
Cd2265_A		1.532	ug/L	0.01825	1.192	59.14
Co2286_A		10.99	ug/L	0.2477	2.254	64.77
Cr2677_A		77.28	ug/L	1.674	2.167	1,026
Cu3273_A		84.65	ug/L	1.941	2.293	1,006
Fe2599_R	W	45,670	ug/L	818.5	1.792	37,920
K_7664_R		4,053	ug/L	75.82	1.871	1,822
Li6707_R		11.70	ug/L	1.253	10.70	92.22
Mg2025_A		5,287	ug/L	53.40	1.010	966.6
Mn2576_R		285.5	ug/L	4.685	1.641	1,308
Mo2020_A		7.873	ug/L	0.08261	1.049	13.33
Na5895_R		791.9	ug/L	4.455	0.5626	830.1
Ni2316_A		78.26	ug/L	1.230	1.571	126.3
Pb2203_A	W	12,820	ug/L	99.73	0.7778	11,770
Sb2068_A		25.20	ug/L	0.3489	1.385	8.339
Se1960_A		4.759	ug/L	1.577	33.14	-0.4586
Si2516_R		3,195	ug/L	48.31	1.512	719.5
Sn1899_A		37.54	ug/L	1.509	4.020	16.30
Sr4215_R		77.12	ug/L	1.037	1.345	2,876
Ti3349_A	W	2,853	ug/L	53.73	1.883	69,260
Tl1908_A		0.2166	ug/L	0.2569	118.6	-2.161
V_2924_A		262.8	ug/L	5.566	2.118	3,022
Zn2062_A		165.3	ug/L	1.261	0.7627	450.5
Y_3600_R		12,786	Cts/S	58.698	0.45909	12,786
Y_2243_A		6,854.9	Cts/S	52.847	0.77093	6,854.9
Y_3600_A		209,030	Cts/S	3,122.4	1.4937	209,030

SG5265-005

Method Name: K6010-2011 Method Revision: 845

SG5265-005

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:31:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.589	ug/L	0.09777	6.152	-186.0
Al3961_R	W	30,210	ug/L	23.96	0.07931	12,960
As1891_A		30.05	ug/L	2.095	6.971	4.201
Au2427_A		-0.6680	ug/L	0.1431	21.43	15.18
B_2089_A		12.46	ug/L	0.3560	2.857	13.11
Ba4554_R		212.8	ug/L	0.09149	0.04300	6,048
Be3130_R		1.455	ug/L	0.009597	0.6595	-31.83
Ca3158_R		2,698	ug/L	8.090	0.2998	1,988
Cd2265_A		2.726	ug/L	0.06660	2.443	67.21
Co2286_A		8.566	ug/L	0.2109	2.462	56.75
Cr2677_A		59.35	ug/L	0.1547	0.2606	799.5
Cu3273_A		95.32	ug/L	1.169	1.226	1,159
Fe2599_R	W	37,200	ug/L	67.17	0.1806	31,060
K_7664_R		2,570	ug/L	2.003	0.07793	1,143
Li6707_R		16.44	ug/L	2.674	16.27	127.3
Mg2025_A		4,319	ug/L	1.261	0.02919	792.5
Mn2576_R		313.0	ug/L	0.7675	0.2452	1,441
Mo2020_A		6.016	ug/L	0.3563	5.922	10.17
Na5895_R		1,040	ug/L	28.92	2.781	1,128
Ni2316_A		61.21	ug/L	0.5973	0.9759	98.73
Pb2203_A	W	4,866	ug/L	0.9102	0.01871	4,480
Sb2068_A		10.78	ug/L	0.5932	5.501	4.224
Se1960_A		4.176	ug/L	0.4524	10.83	-0.5299
Si2516_R		3,747	ug/L	37.04	0.9886	848.1
Sn1899_A		33.89	ug/L	0.3572	1.054	14.77
Sr4215_R		34.60	ug/L	0.2711	0.7834	1,268
Ti3349_A	W	2,814	ug/L	7.513	0.2670	69,190
Tl1908_A		-0.3242	ug/L	0.3432	105.9	-2.347
V_2924_A		155.7	ug/L	0.3679	0.2362	1,817
Zn2062_A		144.1	ug/L	0.2546	0.1767	394.3
Y_3600_R		12,858	Cts/S	158.77	1.2348	12,858
Y_2243_A		6,878.9	Cts/S	4.6520	0.067628	6,878.9
Y_3600_A		211,690	Cts/S	243.82	0.11517	211,690

SG5265-006

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:35:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.157	ug/L	0.6157	28.54	-249.0
Al3961_R	W	35,160	ug/L	742.7	2.113	15,050
As1891_A		36.95	ug/L	2.301	6.227	5.248
Au2427_A		-2.589	ug/L	0.02406	0.9296	18.06
B_2089_A		15.11	ug/L	0.001017	0.006730	15.16
Ba4554_R		410.7	ug/L	7.676	1.869	11,660
Be3130_R		1.559	ug/L	0.03808	2.442	-47.86
Ca3158_R		3,305	ug/L	57.86	1.751	2,430
Cd2265_A		1.913	ug/L	0.09659	5.050	70.08
Co2286_A		9.592	ug/L	0.05315	0.5541	65.15
Cr2677_A		55.67	ug/L	0.001405	0.002524	745.0
Cu3273_A		97.84	ug/L	0.5640	0.5765	1,159
Fe2599_R	W	52,590	ug/L	1,151	2.189	43,820
K_7664_R		2,247	ug/L	26.14	1.163	990.1
Li6707_R		18.97	ug/L	0.6471	3.411	145.7
Mg2025_A		3,937	ug/L	21.41	0.5440	719.1
Mn2576_R		446.4	ug/L	8.591	1.925	2,053
Mo2020_A		4.775	ug/L	0.008318	0.1742	7.954

SG5265-006

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:35:32PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		799.5	ug/L	26.99	3.375	841.9
Ni2316_A		61.27	ug/L	0.5120	0.8357	97.53
Pb2203_A	W	4,013	ug/L	9.614	0.2396	3,676
Sb2068_A		11.59	ug/L	1.629	14.05	4.484
Se1960_A		8.573	ug/L	0.5461	6.370	0.1037
Si2516_R		4,478	ug/L	57.80	1.291	1,010
Sn1899_A		37.02	ug/L	0.2540	0.6860	16.05
Sr4215_R		50.95	ug/L	0.7397	1.452	1,889
Ti3349_A	W	3,465	ug/L	8.340	0.2407	84,520
Tl1908_A		1.083	ug/L	0.1065	9.835	-2.154
V_2924_A		186.1	ug/L	0.1885	0.1013	2,158
Zn2062_A		104.6	ug/L	0.2774	0.2653	284.9
Y_3600_R		12,833	Cts/S	199.31	1.5531	12,833
Y_2243_A		6,844.5	Cts/S	8.5733	0.12526	6,844.5
Y_3600_A		210,010	Cts/S	1,249.3	0.59487	210,010

PBWGG24ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:40:00PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2614	ug/L	0.1634	62.52	-28.13
Al3961_R		11.53	ug/L	5.495	47.67	3.544
As1891_A		0.6524	ug/L	0.2557	39.19	-1.421
Au2427_A		-1.708	ug/L	0.5349	31.32	-8.798
B_2089_A		0.07489	ug/L	0.4412	589.1	2.765
Ba4554_R		0.6791	ug/L	0.01359	2.001	7.505
Be3130_R		0.06244	ug/L	0.1824	292.2	-8.170
Ca3158_R	F	123.7	ug/L	11.29	9.127	85.33
Cd2265_A		-0.03071	ug/L	0.1409	458.8	-0.4535
Co2286_A		-0.001105	ug/L	0.1067	9,658	7.604
Cr2677_A		0.7562	ug/L	0.1127	14.90	13.81
Cu3273_A		0.09709	ug/L	0.1687	173.7	22.32
Fe2599_R		27.89	ug/L	2.805	10.06	26.76
K_7664_R		49.91	ug/L	4.394	8.804	-28.41
Li6707_R		-1.469	ug/L	3.096	210.8	-3.446
Mg2025_A		45.87	ug/L	1.916	4.176	7.863
Mn2576_R		1.188	ug/L	0.1733	14.59	2.091
Mo2020_A		0.6087	ug/L	0.3988	65.51	0.7681
Na5895_R		76.40	ug/L	11.20	14.66	-11.31
Ni2316_A		0.4739	ug/L	0.02312	4.878	-0.5642
Pb2203_A		-0.5350	ug/L	0.7407	138.5	-0.7230
Sb2068_A		1.207	ug/L	0.7527	62.39	1.158
Se1960_A		0.2865	ug/L	1.385	483.3	-0.9135
Si2516_R		20.95	ug/L	5.819	27.78	9.234
Sn1899_A		0.6765	ug/L	0.06555	9.689	0.2899
Sr4215_R		0.2514	ug/L	0.2537	100.9	-40.68
Ti3349_A		2.361	ug/L	0.2631	11.15	44.57
Tl1908_A		0.3533	ug/L	0.1338	37.87	-0.4937
V_2924_A		0.5670	ug/L	0.02456	4.332	-2.511
Zn2062_A		1.102	ug/L	0.01323	1.201	4.013
Y_3600_R		12,043	Cts/S	32.477	0.26968	12,043
Y_2243_A		6,766.1	Cts/S	2.7710	0.040954	6,766.1
Y_3600_A		208,300	Cts/S	3,494.3	1.6775	208,300

LCSWGG24ICW1

Method Name: K6010-2011 Method Revision: 845

LCSWGG24ICW1

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:44:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.60	ug/L	0.07768	0.1423	955.8
Al3961_R		2,079	ug/L	49.05	2.359	850.3
As1891_A		98.84	ug/L	0.8754	0.8857	21.78
Au2427_A		-0.4460	ug/L	0.1042	23.35	-6.491
B_2089_A		527.1	ug/L	4.138	0.7850	430.8
Ba4554_R		2,121	ug/L	66.95	3.156	57,280
Be3130_R		53.82	ug/L	1.809	3.362	2,465
Ca3158_R		2,737	ug/L	77.70	2.839	1,912
Cd2265_A		264.3	ug/L	2.101	0.7949	3,184
Co2286_A		545.3	ug/L	4.816	0.8833	1,657
Cr2677_A		210.9	ug/L	2.284	1.083	2,733
Cu3273_A		268.5	ug/L	2.080	0.7748	3,368
Fe2599_R		1,051	ug/L	27.19	2.588	836.7
K_7664_R		10,830	ug/L	318.7	2.942	4,731
Li6707_R		552.5	ug/L	14.83	2.685	3,842
Mg2025_A		5,481	ug/L	49.92	0.9108	996.2
Mn2576_R		529.6	ug/L	15.39	2.906	2,311
Mo2020_A		312.7	ug/L	0.5907	0.1889	529.2
Na5895_R		8,368	ug/L	240.6	2.876	9,294
Ni2316_A		564.2	ug/L	4.178	0.7405	912.4
Pb2203_A		108.9	ug/L	1.303	1.197	96.62
Sb2068_A		105.7	ug/L	1.112	1.052	28.87
Se1960_A		102.7	ug/L	2.608	2.540	14.71
Si2516_R		5,085	ug/L	168.5	3.313	1,091
Sn1899_A		539.4	ug/L	2.464	0.4568	228.2
Sr4215_R		545.1	ug/L	14.59	2.677	19,690
Ti3349_A		529.9	ug/L	2.893	0.5459	12,590
Tl1908_A		105.6	ug/L	0.3268	0.3094	41.59
V_2924_A		537.8	ug/L	3.376	0.6277	5,970
Zn2062_A		532.0	ug/L	5.460	1.026	1,411
Y_3600_R		12,194	Cts/S	82.363	0.67546	12,194
Y_2243_A		6,679.8	Cts/S	43.447	0.65042	6,679.8
Y_3600_A		204,660	Cts/S	1,186.9	0.57995	204,660

SG4994-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:48:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.4817	ug/L	0.1448	30.07	-65.93
Al3961_R		15.79	ug/L	19.26	122.0	5.535
As1891_A		1.734	ug/L	0.09293	5.358	-1.582
Au2427_A		-0.7998	ug/L	0.5818	72.75	0.2000
B_2089_A		34.21	ug/L	0.7090	2.072	30.90
Ba4554_R		24.38	ug/L	0.7132	2.925	641.3
Be3130_R		0.03753	ug/L	0.06473	172.4	-9.346
Ca3158_R		3,328	ug/L	149.3	4.487	2,301
Cd2265_A		-0.01181	ug/L	0.06223	526.9	8.952
Co2286_A		0.9765	ug/L	0.1494	15.30	11.14
Cr2677_A		5.298	ug/L	0.007171	0.1354	73.60
Cu3273_A		-0.5107	ug/L	0.05883	11.52	13.73
Fe2599_R		11,480	ug/L	377.3	3.285	9,005
K_7664_R		1,373	ug/L	71.47	5.207	549.1
Li6707_R		-1.042	ug/L	1.201	115.3	-0.3164
Mg2025_A		1,175	ug/L	2.400	0.2043	211.1
Mn2576_R		97.62	ug/L	2.530	2.591	419.9
Mo2020_A		24.77	ug/L	0.1144	0.4620	42.11

SG4994-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:48:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		6,973	ug/L	324.5	4.653	7,649
Ni2316_A		6.278	ug/L	0.1028	1.638	8.388
Pb2203_A		-0.1880	ug/L	0.4885	259.8	-0.1724
Sb2068_A		2.562	ug/L	0.2441	9.526	1.580
Se1960_A		-3.619	ug/L	2.955	81.66	-1.536
Si2516_R		5,658	ug/L	225.3	3.982	1,200
Sn1899_A		0.6227	ug/L	0.1044	16.76	0.2662
Sr4215_R		16.86	ug/L	0.8556	5.075	554.3
Ti3349_A		0.4987	ug/L	0.2342	46.97	-0.2619
Tl1908_A		1.069	ug/L	1.406	131.5	-0.2634
V_2924_A		0.6626	ug/L	0.3119	47.08	-3.782
Zn2062_A		2.714	ug/L	0.1330	4.899	8.307
Y_3600_R		12,078	Cts/S	512.58	4.2438	12,078
Y_2243_A		6,749.6	Cts/S	9.7802	0.14490	6,749.6
Y_3600_A		207,090	Cts/S	1,080.7	0.52184	207,090

SG4994-002L

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:53:29PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.6793	ug/L	1.018	149.9	-31.20
Al3961_R		-73.41	ug/L	17.37	23.67	-7.077
As1891_A		-3.087	ug/L	3.785	122.6	-1.805
Au2427_A		-2.856	ug/L	4.959	173.7	-4.294
B_2089_A		36.63	ug/L	0.5191	1.417	8.756
Ba4554_R		23.16	ug/L	4.747	20.49	115.8
Be3130_R		0.2048	ug/L	0.6856	334.8	-9.366
Ca3158_R		3,161	ug/L	26.38	0.8347	447.5
Cd2265_A		-0.4212	ug/L	0.04369	10.37	0.6435
Co2286_A		1.252	ug/L	0.4611	36.83	8.478
Cr2677_A		6.493	ug/L	0.6337	9.760	21.40
Cu3273_A		-3.135	ug/L	1.286	41.01	13.21
Fe2599_R		11,040	ug/L	271.3	2.457	1,777
K_7664_R		1,482	ug/L	148.9	10.05	80.99
Li6707_R		-2.494	ug/L	9.165	367.5	3.390
Mg2025_A		1,208	ug/L	15.56	1.288	43.26
Mn2576_R		98.69	ug/L	7.381	7.479	84.36
Mo2020_A		26.84	ug/L	0.4290	1.599	8.941
Na5895_R		6,864	ug/L	122.8	1.789	1,463
Ni2316_A		6.079	ug/L	1.523	25.06	0.5465
Pb2203_A		-4.750	ug/L	2.635	55.47	-1.055
Sb2068_A		10.78	ug/L	4.253	39.47	1.432
Se1960_A		-9.216	ug/L	18.00	195.3	-1.251
Si2516_R		5,344	ug/L	183.0	3.425	236.1
Sn1899_A		2.304	ug/L	0.3588	15.58	0.1975
Sr4215_R		16.04	ug/L	0.1311	0.8175	66.75
Ti3349_A		-1.346	ug/L	1.189	88.33	-19.40
Tl1908_A		5.142	ug/L	0.5434	10.57	-0.2292
V_2924_A		-1.171	ug/L	0.3184	27.19	-12.33
Zn2062_A		5.174	ug/L	0.04821	0.9317	3.835
Y_3600_R		12,356	Cts/S	141.72	1.1469	12,356
Y_2243_A		6,774.6	Cts/S	85.800	1.2665	6,774.6
Y_3600_A		211,780	Cts/S	1,165.9	0.55054	211,780

SG4994-002A

Method Name: K6010-2011 Method Revision: 845

SG4994-002A

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 8:58:02PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		514.1	ug/L	1.077	0.2096	9,209
Al3961_R		489.6	ug/L	1.393	0.2845	209.5
As1891_A		493.2	ug/L	5.076	1.029	113.6
Au2427_A		-0.9863	ug/L	0.4966	50.35	-2.247
B_2089_A		533.3	ug/L	4.207	0.7889	440.1
Ba4554_R		515.6	ug/L	9.936	1.927	14,030
Be3130_R		495.8	ug/L	11.45	2.309	23,060
Ca3158_R		3,736	ug/L	63.54	1.701	2,632
Cd2265_A		509.7	ug/L	4.088	0.8020	6,114
Co2286_A		519.9	ug/L	4.646	0.8936	1,572
Cr2677_A		502.9	ug/L	0.8992	0.1788	6,506
Cu3273_A		506.8	ug/L	0.8499	0.1677	6,349
Fe2599_R		11,480	ug/L	297.7	2.593	9,174
K_7664_R		6,424	ug/L	129.0	2.008	2,808
Li6707_R		516.1	ug/L	11.77	2.280	3,620
Mg2025_A		1,671	ug/L	22.29	1.334	316.7
Mn2576_R		593.8	ug/L	14.34	2.416	2,614
Mo2020_A		536.4	ug/L	6.960	1.297	903.1
Na5895_R		7,199	ug/L	103.9	1.443	8,051
Ni2316_A		545.7	ug/L	5.124	0.9390	877.6
Pb2203_A		530.2	ug/L	2.567	0.4841	471.0
Sb2068_A		488.3	ug/L	7.106	1.455	136.2
Se1960_A		499.5	ug/L	10.82	2.166	74.61
Si2516_R		5,725	ug/L	78.54	1.372	1,239
Sn1899_A		0.4864	ug/L	1.371	281.9	0.2063
Sr4215_R		526.3	ug/L	10.68	2.029	19,170
Ti3349_A		511.3	ug/L	1.024	0.2003	12,140
Tl1908_A		529.5	ug/L	2.396	0.4526	211.1
V_2924_A		515.8	ug/L	1.204	0.2334	5,683
Zn2062_A		507.2	ug/L	5.392	1.063	1,337
Y_3600_R		12,297	Cts/S	33.881	0.27553	12,297
Y_2243_A		6,643.6	Cts/S	37.256	0.56079	6,643.6
Y_3600_A		204,510	Cts/S	541.18	0.26463	204,510

SG4994-002D

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 9:02:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.8640	ug/L	0.05139	5.948	-56.86
Al3961_R		-2.258	ug/L	6.789	300.7	-1.542
As1891_A		-0.3630	ug/L	0.3177	87.52	-2.058
Au2427_A		-0.05762	ug/L	0.4459	773.9	2.149
B_2089_A		34.14	ug/L	0.4528	1.326	30.73
Ba4554_R		23.89	ug/L	0.9641	4.036	634.8
Be3130_R		0.2200	ug/L	0.06091	27.68	-0.9972
Ca3158_R		3,288	ug/L	138.1	4.199	2,299
Cd2265_A		0.05498	ug/L	0.04647	84.52	9.438
Co2286_A		1.083	ug/L	0.3617	33.40	11.40
Cr2677_A		5.397	ug/L	0.1803	3.340	74.31
Cu3273_A		-0.3906	ug/L	0.04037	10.34	15.15
Fe2599_R		11,120	ug/L	360.6	3.242	8,817
K_7664_R		1,372	ug/L	41.74	3.041	555.3
Li6707_R		-0.5229	ug/L	0.5185	99.16	3.058
Mg2025_A		1,161	ug/L	6.042	0.5202	207.9
Mn2576_R		96.17	ug/L	3.343	3.476	418.0
Mo2020_A		25.21	ug/L	0.7092	2.813	42.69

SG4994-002D

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 9:02:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		6,866	ug/L	304.5	4.435	7,613
Ni2316_A		6.094	ug/L	0.1354	2.222	8.074
Pb2203_A		-0.1090	ug/L	1.604	1,472	-0.1073
Sb2068_A		3.488	ug/L	2.639	75.66	1.831
Se1960_A		0.1079	ug/L	0.1469	136.1	-0.9585
Si2516_R		5,469	ug/L	192.9	3.527	1,173
Sn1899_A		0.4782	ug/L	1.424	297.7	0.2037
Sr4215_R		16.73	ug/L	0.7385	4.414	555.8
Ti3349_A		0.6135	ug/L	0.4158	67.77	2.555
Tl1908_A		0.6677	ug/L	0.3103	46.48	-0.4237
V_2924_A		0.4525	ug/L	0.09792	21.64	-6.199
Zn2062_A		2.581	ug/L	0.01228	0.4757	7.918
Y_3600_R		12,207	Cts/S	342.47	2.8056	12,207
Y_2243_A		6,722.5	Cts/S	2.6345	0.039190	6,722.5
Y_3600_A		205,430	Cts/S	2,303.7	1.1214	205,430

SG4994-002S

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 9:06:57PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.29	ug/L	3.071	5.764	902.5
Al3961_R		2,139	ug/L	74.57	3.486	875.8
As1891_A		102.1	ug/L	1.148	1.125	22.12
Au2427_A		-0.4978	ug/L	0.6135	123.3	-0.7364
B_2089_A		559.5	ug/L	4.626	0.8267	456.9
Ba4554_R	W	2,163	ug/L	64.96	3.003	58,460
Be3130_R		54.16	ug/L	1.677	3.097	2,483
Ca3158_R		5,914	ug/L	130.8	2.212	4,135
Cd2265_A		263.9	ug/L	1.885	0.7146	3,184
Co2286_A		543.5	ug/L	3.977	0.7316	1,651
Cr2677_A		208.7	ug/L	13.48	6.460	2,761
Cu3273_A		258.9	ug/L	16.17	6.246	3,315
Fe2599_R		11,840	ug/L	340.6	2.877	9,383
K_7664_R		12,240	ug/L	334.5	2.732	5,357
Li6707_R		553.0	ug/L	16.16	2.922	3,849
Mg2025_A		6,493	ug/L	32.77	0.5047	1,176
Mn2576_R		620.9	ug/L	18.52	2.982	2,713
Mo2020_A		338.5	ug/L	1.438	0.4248	572.2
Na5895_R		14,920	ug/L	350.6	2.350	16,660
Ni2316_A		568.7	ug/L	3.787	0.6659	918.3
Pb2203_A		108.1	ug/L	2.164	2.001	96.11
Sb2068_A		106.4	ug/L	0.2754	0.2588	29.08
Se1960_A		102.2	ug/L	2.801	2.740	14.60
Si2516_R		10,340	ug/L	337.8	3.269	2,214
Sn1899_A		538.0	ug/L	6.138	1.141	227.4
Sr4215_R		562.1	ug/L	17.11	3.043	20,320
Ti3349_A		516.2	ug/L	33.48	6.487	12,520
Tl1908_A		104.8	ug/L	2.798	2.670	41.16
V_2924_A		526.5	ug/L	34.03	6.463	5,961
Zn2062_A		533.2	ug/L	3.152	0.5912	1,412
Y_3600_R		12,204	Cts/S	131.60	1.0784	12,204
Y_2243_A		6,673.8	Cts/S	32.384	0.48523	6,673.8
Y_3600_A		209,200	Cts/S	9,708.3	4.6407	209,200

CCV

Method Name: K6010-2011 Method Revision: 845

CCV

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 9:11:20PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	530.8	ug/L	3.033	0.5714	9,451
Al3961_R		12,780	ug/L	98.64	0.7721	5,218
As1891_A		511.1	ug/L	3.276	0.6410	117.8
Au2427_A		522.5	ug/L	3.381	0.6471	1,501
B_2089_A		519.0	ug/L	1.759	0.3390	428.7
Ba4554_R		516.4	ug/L	4.174	0.8084	13,970
Be3130_R		519.7	ug/L	3.262	0.6276	24,020
Ca3158_R	W	13,260	ug/L	91.58	0.6904	9,290
Cd2265_A	W	529.3	ug/L	1.449	0.2738	6,355
Co2286_A		522.6	ug/L	2.577	0.4931	1,581
Cr2677_A		510.8	ug/L	2.752	0.5387	6,570
Cu3273_A		512.5	ug/L	5.087	0.9927	6,384
Fe2599_R		12,870	ug/L	119.8	0.9305	10,220
K_7664_R	W	13,480	ug/L	46.09	0.3418	5,915
Li6707_R	W	545.3	ug/L	6.013	1.103	3,801
Mg2025_A	W	13,520	ug/L	73.75	0.5455	2,416
Mn2576_R		521.5	ug/L	3.808	0.7303	2,282
Mo2020_A		521.7	ug/L	0.4969	0.09525	878.9
Na5895_R	F	13,860	ug/L	149.6	1.079	15,500
Ni2316_A	W	545.5	ug/L	0.005188	0.0009510	877.8
Pb2203_A	W	534.8	ug/L	3.566	0.6668	474.1
Sb2068_A		512.8	ug/L	4.705	0.9176	141.6
Se1960_A		520.5	ug/L	3.873	0.7441	77.79
Si2516_R		13,020	ug/L	105.2	0.8085	2,791
Sn1899_A	W	529.3	ug/L	1.985	0.3751	222.9
Sr4215_R	W	539.7	ug/L	6.387	1.183	19,540
Ti3349_A		524.6	ug/L	5.319	1.014	12,390
Tl1908_A	W	532.2	ug/L	0.8684	0.1632	212.4
V_2924_A		524.5	ug/L	4.885	0.9312	5,751
Zn2062_A		517.7	ug/L	2.894	0.5591	1,365
Y_3600_R		12,223	Cts/S	91.606	0.74949	12,223
Y_2243_A		6,648.2	Cts/S	10.181	0.15313	6,648.2
Y_3600_A		203,330	Cts/S	1,077.8	0.53009	203,330

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 9:15:40PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2691	ug/L	0.3220	119.7	-28.50
Al3961_R		-15.27	ug/L	24.26	158.9	-7.053
As1891_A		0.2167	ug/L	1.450	669.0	-1.513
Au2427_A		0.9221	ug/L	0.2684	29.10	-1.125
B_2089_A		1.800	ug/L	0.4727	26.27	4.213
Ba4554_R		0.1373	ug/L	0.1022	74.41	-7.039
Be3130_R		0.2054	ug/L	0.01002	4.879	-1.630
Ca3158_R		-17.06	ug/L	9.733	57.05	-11.77
Cd2265_A		0.009667	ug/L	0.01715	177.4	0.01782
Co2286_A		0.3078	ug/L	0.1278	41.51	8.486
Cr2677_A		0.4967	ug/L	0.1446	29.10	10.51
Cu3273_A		0.06252	ug/L	0.4953	792.2	22.12
Fe2599_R		4.599	ug/L	6.487	141.0	8.515
K_7664_R		-0.5275	ug/L	9.418	1,785	-50.78
Li6707_R		-1.327	ug/L	1.693	127.6	-2.664
Mg2025_A		3.156	ug/L	5.088	161.2	0.1832
Mn2576_R		1.616	ug/L	0.7948	49.17	3.902
Mo2020_A		3.388	ug/L	0.6074	17.93	5.503

CCB

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 9:15:40PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		14.99	ug/L	0.9977	6.657	-79.93
Ni2316_A		0.6178	ug/L	0.1983	32.09	-0.3194
Pb2203_A		-0.6274	ug/L	0.9930	158.3	-0.8016
Sb2068_A		1.851	ug/L	2.156	116.5	1.330
Se1960_A		1.043	ug/L	2.509	240.6	-0.7924
Si2516_R		19.49	ug/L	6.996	35.90	9.014
Sn1899_A		0.1084	ug/L	0.1367	126.1	0.04625
Sr4215_R		-0.05154	ug/L	0.2291	444.5	-51.68
Ti3349_A		0.7302	ug/L	0.02240	3.067	5.147
Tl1908_A		0.5063	ug/L	0.1288	25.45	-0.4281
V_2924_A		0.6487	ug/L	0.02063	3.180	-1.887
Zn2062_A		0.3054	ug/L	0.01374	4.499	1.863
Y_3600_R		12,119	Cts/S	417.42	3.4443	12,119
Y_2243_A		6,726.4	Cts/S	11.585	0.17224	6,726.4
Y_3600_A		210,440	Cts/S	1,813.6	0.86182	210,440

SG5022-002

Method Name: K6010-2011 Method Revision: 845
Analyst Name: EAM
Acquire Date: 7/25/2013 9:20:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.064	ug/L	0.2820	13.66	-247.9
Al3961_R	W	37,780	ug/L	731.7	1.937	16,010
As1891_A		26.50	ug/L	0.9873	3.726	2.426
Au2427_A		-1.792	ug/L	0.02582	1.441	24.64
B_2089_A		40.68	ug/L	0.9869	2.426	35.77
Ba4554_R		153.0	ug/L	2.867	1.874	4,294
Be3130_R		1.185	ug/L	0.08167	6.894	42.58
Ca3158_R		7,907	ug/L	136.3	1.724	5,754
Cd2265_A		0.1002	ug/L	0.05047	50.35	48.00
Co2286_A		4.558	ug/L	0.1082	2.374	25.44
Cr2677_A		226.3	ug/L	1.076	0.4755	2,915
Cu3273_A		94.23	ug/L	0.2814	0.2987	1,189
Fe2599_R	W	59,050	ug/L	1,452	2.459	48,700
K_7664_R		4,550	ug/L	116.4	2.558	2,039
Li6707_R		7.589	ug/L	2.172	28.62	61.97
Mg2025_A		2,278	ug/L	24.75	1.086	405.4
Mn2576_R		182.7	ug/L	3.859	2.113	831.4
Mo2020_A		28.75	ug/L	0.9325	3.243	48.30
Na5895_R	W	40,200	ug/L	489.3	1.217	46,900
Ni2316_A		65.69	ug/L	0.4609	0.7016	101.9
Pb2203_A		41.09	ug/L	1.520	3.698	33.25
Sb2068_A		5.288	ug/L	3.068	58.01	3.300
Se1960_A		1.887	ug/L	0.8071	42.77	-0.9746
Si2516_R	W	29,270	ug/L	929.4	3.176	6,512
Sn1899_A		3.775	ug/L	0.6542	17.33	1.593
Sr4215_R		65.34	ug/L	1.243	1.902	2,412
Ti3349_A		192.6	ug/L	0.5409	0.2809	4,538
Tl1908_A		-0.01159	ug/L	0.2525	2,179	-0.8922
V_2924_A		191.0	ug/L	0.8469	0.4435	2,116
Zn2062_A		43.18	ug/L	0.2912	0.6745	114.6
Y_3600_R		12,701	Cts/S	126.75	0.99794	12,701
Y_2243_A		6,666.6	Cts/S	39.340	0.59010	6,666.6
Y_3600_A		203,370	Cts/S	53.863	0.026486	203,370

SG5022-003

Method Name: K6010-2011 Method Revision: 845

KATAHDIN ANALYTICAL SERVICES, INC.
METALS ANALYSIS RUN INFORMATION SHEET

INSTR. ID: I - Thermo iCAP 6500 **ANALYST:** [illegible] **ANALYSIS DATE:** 07-29-13

FILE NAME: I6629A

REVIEWED
UT 8/1/13
KATAHDIN ANALYTICAL
METALS SECTION

METHOD:

ICP	ICP-MS	CVAA
☑ 200.7	☐ 200.8	☐ 245.__
☑ 6010B	☐ 6020	☐ 747___
☐ CLP	☐ CLP	☐ CLP
☐ _____	☐ _____	☐ _____

STANDARDS USED:

Standard Name	Standard ID	Prep Date	Expiration Date	Standard Conc.
Blank / ICB / CCB	MW14314	07-09-13	07-09-14	0 ug/L
Std 1	MW14327	07-26-13	10-03-13	varies by element
ICV	MW14315	07-10-13	10-10-13	↓
PQL	MW14305	07-08-13	10-03-13	↓
ICSA	MW14289	06-26-13	09-26-13	↓
ICSAB	MW14262	06-05-13	09-05-13	↓
LRS1	MW14326	07-25-13	10-03-13	↓
LRS2	MW14330	07-29-13	10-29-13	↓
CCV	MW14322	07-23-13	10-23-13	↓
Internal Std	MW14318	07-15-13	10-15-13	↓ 5 mg/L

Additional Comments and Notes:

08-01-13
[illegible]

INSTRUMENT RUNLOG

Instrument: ICAP 6500

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
Blank	1.000	IGG29A	7/29/2013	14:17	EAM
Std 1	1.000	IGG29A	7/29/2013	14:22	EAM
ICV	1.000	IGG29A	7/29/2013	14:26	EAM
ICB	1.000	IGG29A	7/29/2013	14:30	EAM
PQL	1.000	IGG29A	7/29/2013	14:35	EAM
LRS1	1.000	IGG29A	7/29/2013	14:39	EAM
LRS2	1.000	IGG29A	7/29/2013	14:44	EAM
ICSA	1.000	IGG29A	7/29/2013	14:53	EAM
ICSAB	1.000	IGG29A	7/29/2013	14:58	EAM
CCV	1.000	IGG29A	7/29/2013	15:02	EAM
CCB	1.000	IGG29A	7/29/2013	15:06	EAM
SG4987-001T	1.000	IGG29A	7/29/2013	15:11	EAM
PBSGG26ICS1	1.000	IGG29A	7/29/2013	15:16	EAM
LCSOGG26ICS1	1.000	IGG29A	7/29/2013	15:20	EAM
LC2OGG26ICS1	1.000	IGG29A	7/29/2013	15:24	EAM
SG5337-001	1.000	IGG29A	7/29/2013	15:29	EAM
SG5335-001	1.000	IGG29A	7/29/2013	15:33	EAM
SG5335-002	1.000	IGG29A	7/29/2013	15:38	EAM
SG5335-003	1.000	IGG29A	7/29/2013	15:42	EAM
SG5337-001	2.000	IGG29A	7/29/2013	15:47	EAM
SG5337-001	10.00	IGG29A	7/29/2013	15:51	EAM
CCV	1.000	IGG29A	7/29/2013	15:56	EAM
CCB	1.000	IGG29A	7/29/2013	16:00	EAM
SG5353-001	1.000	IGG29A	7/29/2013	16:05	EAM
SG5353-001L	5.000	IGG29A	7/29/2013	16:09	EAM
SG5353-001A	1.000	IGG29A	7/29/2013	16:14	EAM
SG5353-001S	1.000	IGG29A	7/29/2013	16:18	EAM
SG5353-001P	1.000	IGG29A	7/29/2013	16:22	EAM
SG5364-001	1.000	IGG29A	7/29/2013	16:27	EAM
SG5288-001	1.000	IGG29A	7/29/2013	16:31	EAM
SG5132-002S	1.000	IGG29A	7/29/2013	16:36	EAM
SG5132-003	1.000	IGG29A	7/29/2013	16:40	EAM
PBWGG25ICW2	1.000	IGG29A	7/29/2013	16:45	EAM
CCV	1.000	IGG29A	7/29/2013	16:49	EAM
CCB	1.000	IGG29A	7/29/2013	16:53	EAM
LCSWGG25ICW2	1.000	IGG29A	7/29/2013	16:58	EAM
SG5256-001T	1.000	IGG29A	7/29/2013	17:02	EAM
SG5282-001	10.00	IGG29A	7/29/2013	17:07	EAM
SG5299-001	1.000	IGG29A	7/29/2013	17:11	EAM
SG5300-001	25.00	IGG29A	7/29/2013	17:16	EAM
SG5300-002	100.0	IGG29A	7/29/2013	17:20	EAM
SG5301-001	100.0	IGG29A	7/29/2013	17:25	EAM
SG5301-002	100.0	IGG29A	7/29/2013	17:29	EAM
SG5301-003	100.0	IGG29A	7/29/2013	17:34	EAM

SAMPLE ID	DF	FILE	DATE	TIME	ANALYST
SG5301-004	100.0	IGG29A	7/29/2013	17:39	EAM
CCV	1.000	IGG29A	7/29/2013	17:43	EAM
CCB	1.000	IGG29A	7/29/2013	17:48	EAM
SG5301-005	100.0	IGG29A	7/29/2013	17:52	EAM
RINSE	1.000	IGG29A	7/29/2013	17:57	EAM
PBWGG23ICW2	1.000	IGG29A	7/29/2013	18:01	EAM
LCSWGG23ICW2	1.000	IGG29A	7/29/2013	18:06	EAM
SG5181-001	5.000	IGG29A	7/29/2013	18:10	EAM
SG5181-001L	25.00	IGG29A	7/29/2013	18:15	EAM
SG5181-001S	5.000	IGG29A	7/29/2013	18:19	EAM
SG5181-001P	5.000	IGG29A	7/29/2013	18:24	EAM
SG5181-002	1.000	IGG29A	7/29/2013	18:28	EAM
SG5181-003	5.000	IGG29A	7/29/2013	18:33	EAM
CCV	1.000	IGG29A	7/29/2013	18:37	EAM
CCB	1.000	IGG29A	7/29/2013	18:42	EAM
SG5181-004	5.000	IGG29A	7/29/2013	18:46	EAM
SG5181-005	1.000	IGG29A	7/29/2013	18:51	EAM
SG5183-001	5.000	IGG29A	7/29/2013	18:55	EAM
SG5183-002	1.000	IGG29A	7/29/2013	19:00	EAM
SG5184-001	1.000	IGG29A	7/29/2013	19:04	EAM
SG5184-002	1.000	IGG29A	7/29/2013	19:09	EAM
PBSGG25ICS1	1.000	IGG29A	7/29/2013	19:13	EAM
LCSOGG25ICS1	1.000	IGG29A	7/29/2013	19:18	EAM
SG5090-002	1.000	IGG29A	7/29/2013	19:22	EAM
SG5265-001D	1.000	IGG29A	7/29/2013	19:27	EAM
CCV	1.000	IGG29A	7/29/2013	19:31	EAM
CCB	1.000	IGG29A	7/29/2013	19:36	EAM
SG5265-001P	1.000	IGG29A	7/29/2013	19:40	EAM
PBWGG25ICW1	1.000	IGG29A	7/29/2013	19:45	EAM
LCSWGG25ICW1	1.000	IGG29A	7/29/2013	19:49	EAM
SG5242-009R	1.000	IGG29A	7/29/2013	19:54	EAM
SG5242-010R	1.000	IGG29A	7/29/2013	19:58	EAM
SG5309-001	1.000	IGG29A	7/29/2013	20:03	EAM
SG5328-001	1.000	IGG29A	7/29/2013	20:07	EAM
PBWGG24ICW2	1.000	IGG29A	7/29/2013	20:12	EAM
LCSWGG24ICW2	1.000	IGG29A	7/29/2013	20:16	EAM
SG5203-001T	1.000	IGG29A	7/29/2013	20:21	EAM
CCV	1.000	IGG29A	7/29/2013	20:25	EAM
CCB	1.000	IGG29A	7/29/2013	20:30	EAM
SG5242-001	1.000	IGG29A	7/29/2013	20:34	EAM
SG5242-002	1.000	IGG29A	7/29/2013	20:39	EAM
SG5242-003	1.000	IGG29A	7/29/2013	20:43	EAM
SG5242-004	1.000	IGG29A	7/29/2013	20:48	EAM
SG5242-005	1.000	IGG29A	7/29/2013	20:52	EAM
SG5242-006	1.000	IGG29A	7/29/2013	20:57	EAM
SG5242-007	1.000	IGG29A	7/29/2013	21:01	EAM
SG5242-008	1.000	IGG29A	7/29/2013	21:06	EAM

Intensity Report

Author:

Published: 7/30/2013 9:17:31AM

Notes:

Blank

Method Name: K6010-2011 Method Revision: 851

Analyst Name: EAM

Acquire Date: 7/29/2013 2:17:36PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.00009734	Cts/S	0.00005240	53.83	-19.00
Al3961_R		-0.002464	Cts/S	0.001510	61.28	-21.39
As1891_A		-0.0001960	Cts/S	0.00002440	12.45	-1.273
Au2427_A		0.00003085	Cts/S	0.0001468	475.7	0.2000
B_2089_A		0.001096	Cts/S	0.00003175	2.898	7.119
Ba4554_R		-0.001901	Cts/S	0.0001217	6.405	-16.48
Be3130_R		-0.001160	Cts/S	0.0001415	12.20	-10.06
Ca3158_R		-0.0008944	Cts/S	0.0002019	22.58	-7.750
Cd2265_A		0.000009411	Cts/S	0.0002197	2,334	-0.06047
Co2286_A		0.001266	Cts/S	0.00005703	4.503	8.228
Cr2677_A		0.00002862	Cts/S	0.000004461	15.58	5.587
Cu3273_A		0.00001082	Cts/S	0.00002615	241.7	2.111
Fe2599_R		0.0004020	Cts/S	0.0001490	37.07	3.489
K_7664_R		-0.005770	Cts/S	0.002440	42.28	-50.08
Li6707_R		0.0009602	Cts/S	0.0009785	101.9	8.347
Mg2025_A		-0.0001398	Cts/S	0.00009805	70.14	-0.9080
Mn2576_R		-0.0001655	Cts/S	0.0001113	67.25	-1.438
Mo2020_A		0.0009568	Cts/S	0.00007541	7.882	6.217
Na5895_R		-0.01281	Cts/S	0.001040	8.118	-111.0
Ni2316_A		-0.00005969	Cts/S	0.00004034	67.58	-0.3877
Pb2203_A		-0.00007695	Cts/S	0.00004672	60.72	-0.4998
Sb2068_A		0.0001990	Cts/S	0.00003776	18.97	1.293
Se1960_A		-0.0001004	Cts/S	0.00001676	16.70	-0.6523
Si2516_R		0.0003894	Cts/S	0.00004275	10.98	3.375
Sn1899_A		0.00005881	Cts/S	0.00007119	121.1	0.3823
Sr4215_R		-0.004465	Cts/S	0.0004409	9.873	-38.72
Ti3349_A		-0.00006435	Cts/S	0.000007554	11.74	-12.56
Tl1908_A		0.00004061	Cts/S	0.00002603	64.10	0.2638
V_2924_A		0.000001370	Cts/S	0.00002133	1,557	0.2672
Zn2062_A		0.0002400	Cts/S	0.000002824	1.176	1.559
Y_3600_R		8,669.9	Cts/S	43.772	0.50488	8,669.9
Y_2243_A		6,497.7	Cts/S	6.2138	0.095631	6,497.7
Y_3600_A		195,180	Cts/S	24.898	0.012756	195,180

Std 1

Method Name: K6010-2011 Method Revision: 851

Analyst Name: EAM

Acquire Date: 7/29/2013 2:22:08PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.1013	Cts/S	0.0005990	0.5910	18,920
Al3961_R		0.9777	Cts/S	0.03074	3.144	8,326
As1891_A		0.03857	Cts/S	0.0002799	0.7257	245.5
Au2427_A		0.4945	Cts/S	0.0008775	0.1775	3,148
B_2089_A		0.1362	Cts/S	0.0004729	0.3471	867.1
Ba4554_R		2.770	Cts/S	0.07874	2.842	23,590
Be3130_R		4.412	Cts/S	0.1398	3.169	37,570
Ca3158_R		1.559	Cts/S	0.04261	2.734	13,270
Cd2265_A		1.977	Cts/S	0.009829	0.4971	12,590
Co2286_A		0.4932	Cts/S	0.002406	0.4878	3,140
Cr2677_A		0.06938	Cts/S	0.0004681	0.6746	12,950
Cu3273_A		0.06868	Cts/S	0.0006290	0.9159	12,820
Fe2599_R		1.816	Cts/S	0.05405	2.977	15,460

Std 1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:22:08PM Sample Type: Standard

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
K_7664_R		1.336	Cts/S	0.03910	2.926	11,380
Li6707_R		0.8252	Cts/S	0.02164	2.623	7,027
Mg2025_A		0.7380	Cts/S	0.003794	0.5142	4,698
Mn2576_R		0.3882	Cts/S	0.01008	2.596	3,306
Mo2020_A		0.2798	Cts/S	0.001022	0.3652	1,781
Na5895_R		3.123	Cts/S	0.07887	2.525	26,600
Ni2316_A		0.2665	Cts/S	0.001772	0.6651	1,696
Pb2203_A		0.1474	Cts/S	0.0007626	0.5175	938.1
Sb2068_A		0.04612	Cts/S	0.0001547	0.3354	293.6
Se1960_A		0.02502	Cts/S	0.0001557	0.6224	159.3
Si2516_R		0.4785	Cts/S	0.01227	2.564	4,075
Sn1899_A		0.06996	Cts/S	0.0004616	0.6598	445.4
Sr4215_R		3.685	Cts/S	0.09949	2.700	31,380
Ti3349_A		0.1265	Cts/S	0.0003749	0.2963	23,620
Tl1908_A		0.06615	Cts/S	0.0004565	0.6900	421.1
V_2924_A		0.06281	Cts/S	0.0002788	0.4439	11,730
Zn2062_A		0.4331	Cts/S	0.002018	0.4660	2,757
Y_3600_R		8,519.2	Cts/S	239.52	2.8115	8,519.2
Y_2243_A		6,365.6	Cts/S	18.269	0.28699	6,365.6
Y_3600_A		186,700	Cts/S	428.89	0.22972	186,700

ICV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:26:28PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		392.9	ug/L	1.532	0.3900	7,534
Al3961_R		10,030	ug/L	69.72	0.6953	3,351
As1891_A		396.3	ug/L	4.614	1.164	96.82
Au2427_A		396.6	ug/L	0.5023	0.1266	1,252
B_2089_A		392.6	ug/L	4.770	1.215	346.1
Ba4554_R		401.1	ug/L	0.02885	0.007194	9,519
Be3130_R		400.4	ug/L	1.939	0.4843	15,150
Ca3158_R		10,250	ug/L	17.55	0.1713	5,474
Cd2265_A		394.9	ug/L	4.650	1.178	4,984
Co2286_A		407.2	ug/L	3.666	0.9002	1,287
Cr2677_A		398.3	ug/L	2.508	0.6296	5,240
Cu3273_A		401.1	ug/L	2.435	0.6069	5,222
Fe2599_R		10,090	ug/L	33.06	0.3276	6,288
K_7664_R		13,460	ug/L	41.65	0.3094	6,146
Li6707_R		392.2	ug/L	1.390	0.3543	2,781
Mg2025_A		10,200	ug/L	129.6	1.271	1,921
Mn2576_R		401.5	ug/L	3.188	0.7939	1,336
Mo2020_A		408.3	ug/L	4.051	0.9923	732.8
Na5895_R		9,885	ug/L	24.92	0.2521	10,520
Ni2316_A		403.4	ug/L	4.533	1.124	686.0
Pb2203_A		407.5	ug/L	5.971	1.465	383.1
Sb2068_A		392.1	ug/L	7.646	1.950	116.2
Se1960_A		392.7	ug/L	2.268	0.5774	62.35
Si2516_R		9,637	ug/L	13.95	0.1448	1,584
Sn1899_A		402.5	ug/L	6.022	1.496	180.0
Sr4215_R		393.7	ug/L	0.5301	0.1346	12,420
Ti3349_A		395.6	ug/L	1.778	0.4495	9,477
Tl1908_A		407.3	ug/L	4.527	1.111	172.2
V_2924_A		398.5	ug/L	2.161	0.5422	4,743
Zn2062_A		402.3	ug/L	4.565	1.135	1,113
Y_3600_R		8,576.3	Cts/S	5.7458	0.066996	8,576.3

ICV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:26:28PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Y_2243_A		6,383.8	Cts/S	63.389	0.99296	6,383.8
Y_3600_A		189,510	Cts/S	531.87	0.28065	189,510

ICB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:30:50PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.03756	ug/L	0.1234	328.6	-18.64
Al3961_R		43.14	ug/L	21.03	48.75	-6.923
As1891_A		2.633	ug/L	1.478	56.12	-0.6173
Au2427_A		-1.111	ug/L	0.1339	12.05	-3.408
B_2089_A		-1.971	ug/L	0.2173	11.03	5.514
Ba4554_R		-0.1646	ug/L	0.2639	160.4	-20.85
Be3130_R		0.1320	ug/L	0.1493	113.1	-5.168
Ca3158_R		-0.6413	ug/L	6.607	1,030	-8.190
Cd2265_A		-0.07637	ug/L	0.04998	65.44	-1.054
Co2286_A		-0.02833	ug/L	0.1032	364.2	8.246
Cr2677_A		-0.2461	ug/L	0.2632	106.9	2.326
Cu3273_A		0.1196	ug/L	0.4754	397.6	3.768
Fe2599_R		-0.3201	ug/L	4.157	1,299	3.369
K_7664_R		53.99	ug/L	0.2152	0.3986	-25.31
Li6707_R		0.8928	ug/L	5.054	566.1	15.38
Mg2025_A		3.765	ug/L	0.2758	7.324	-0.1979
Mn2576_R		0.8797	ug/L	0.2733	31.07	1.563
Mo2020_A		-0.3210	ug/L	0.2287	71.26	5.710
Na5895_R		17.03	ug/L	8.555	50.23	-93.92
Ni2316_A		-0.02785	ug/L	0.1683	604.2	-0.4423
Pb2203_A		-0.08835	ug/L	0.3476	393.4	-0.5976
Sb2068_A		0.002357	ug/L	0.2798	11,870	1.311
Se1960_A		-0.5904	ug/L	0.005488	0.9294	-0.7586
Si2516_R		-3.821	ug/L	2.752	72.03	2.781
Sn1899_A		-0.3419	ug/L	0.5295	154.9	0.2299
Sr4215_R		-0.04423	ug/L	0.004849	10.96	-40.78
Ti3349_A		0.06274	ug/L	0.07226	115.2	-11.25
Tl1908_A		-0.3796	ug/L	0.5855	154.2	0.1016
V_2924_A		-0.4806	ug/L	0.2023	42.09	-5.828
Zn2062_A		0.07625	ug/L	0.2110	276.7	1.799
Y_3600_R		8,811.7	Cts/S	210.27	2.3863	8,811.7
Y_2243_A		6,583.2	Cts/S	5.8646	0.089084	6,583.2
Y_3600_A		199,490	Cts/S	2,095.7	1.0505	199,490

PQL

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:35:22PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		9.812	ug/L	0.2362	2.407	179.0
Al3961_R		327.6	ug/L	6.740	2.057	90.36
As1891_A		8.718	ug/L	3.151	36.14	0.9285
Au2427_A		103.2	ug/L	0.4570	0.4427	332.7
B_2089_A		48.02	ug/L	0.1268	0.2641	48.22
Ba4554_R		5.127	ug/L	0.07802	1.522	107.2
Be3130_R		5.166	ug/L	0.1256	2.431	188.3
Ca3158_R		111.5	ug/L	24.77	22.22	52.71
Cd2265_A		5.102	ug/L	0.09649	1.891	65.77
Co2286_A		10.58	ug/L	0.2965	2.803	42.27

PQL

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:35:22PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Cr2677_A		9.935	ug/L	0.09349	0.9410	142.5
Cu3273_A		26.10	ug/L	0.6539	2.505	358.5
Fe2599_R		102.9	ug/L	1.874	1.821	68.58
K_7664_R		1,005	ug/L	49.94	4.972	419.5
Li6707_R		99.15	ug/L	3.150	3.177	720.1
Mg2025_A		113.6	ug/L	0.4712	0.4149	21.23
Mn2576_R		5.087	ug/L	1.018	20.01	15.75
Mo2020_A		8.328	ug/L	0.04072	0.4889	21.40
Na5895_R		1,019	ug/L	6.599	0.6478	1,001
Ni2316_A		10.14	ug/L	0.5182	5.109	17.26
Pb2203_A		5.481	ug/L	0.5659	10.32	4.744
Sb2068_A	W	9.928	ug/L	1.954	19.68	4.002
Se1960_A		9.707	ug/L	0.1944	2.003	0.9359
Si2516_R		199.0	ug/L	4.508	2.265	36.56
Sn1899_A		102.6	ug/L	0.7232	0.7046	47.22
Sr4215_R		10.12	ug/L	0.02092	0.2068	286.2
Ti3349_A		14.94	ug/L	0.01046	0.07003	362.6
Tl1908_A		14.16	ug/L	0.6923	4.890	6.377
V_2924_A		9.167	ug/L	0.4460	4.866	114.8
Zn2062_A		20.08	ug/L	0.09096	0.4529	58.35
Y_3600_R		8,710.7	Cts/S	94.933	1.0898	8,710.7
Y_2243_A		6,527.7	Cts/S	36.865	0.56475	6,527.7
Y_3600_A		198,610	Cts/S	1,833.4	0.92309	198,610

LRS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:39:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2,067	ug/L	9.241	0.4470	39,140
Al3961_R		-135.4	ug/L	21.76	16.07	245.0
As1891_A		20,970	ug/L	178.2	0.8496	4,948
Au2427_A	W	21,190	ug/L	224.2	1.058	63,310
B_2089_A		21,010	ug/L	193.9	0.9227	17,220
Ba4554_R		20,040	ug/L	41.64	0.2078	482,900
Be3130_R		19,550	ug/L	119.3	0.6102	750,000
Ca3158_R		295.4	ug/L	7.015	2.374	140.6
Cd2265_A		20,340	ug/L	216.5	1.064	243,500
Co2286_A		21,060	ug/L	201.4	0.9563	62,840
Cr2677_A		19,960	ug/L	100.1	0.5014	258,000
Cu3273_A		20,110	ug/L	109.7	0.5457	257,300
Fe2599_R		-5.639	ug/L	0.6287	11.15	-0.06519
K_7664_R		24.05	ug/L	24.86	103.4	-38.94
Li6707_R		18,920	ug/L	49.31	0.2606	135,600
Mg2025_A		-580.0	ug/L	37.86	6.528	747.1
Mn2576_R		20,790	ug/L	2.028	0.009755	70,170
Mo2020_A		20,730	ug/L	219.2	1.058	35,050
Na5895_R		49.98	ug/L	13.94	27.89	-56.84
Ni2316_A		20,930	ug/L	265.1	1.267	33,860
Pb2203_A	W	21,340	ug/L	222.4	1.042	19,130
Sb2068_A		20,980	ug/L	196.0	0.9341	5,840
Se1960_A	W	21,450	ug/L	197.3	0.9195	3,270
Si2516_R		-15.75	ug/L	2.482	15.76	43.93
Sn1899_A		20,560	ug/L	218.7	1.063	8,719
Sr4215_R		19,330	ug/L	154.5	0.7989	620,000
Ti3349_A		19,610	ug/L	21.14	0.1078	462,600
Tl1908_A		20,960	ug/L	186.7	0.8907	8,405

LRS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:39:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
V_2924_A		19,680	ug/L	209.1	1.063	230,000
Zn2062_A		20,080	ug/L	177.5	0.8842	52,710
Y_3600_R		8,692.7	Cts/S	7.4961	0.086235	8,692.7
Y_2243_A		6,065.4	Cts/S	59.968	0.98870	6,065.4
Y_3600_A		186,370	Cts/S	806.31	0.43263	186,370

LRS2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:44:44PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-6.960	ug/L	0.5891	8.464	-964.4
Al3961_R		491,100	ug/L	4,445	0.9052	161,600
As1891_A		10.85	ug/L	0.2323	2.141	-6.489
Au2427_A		8.123	ug/L	0.2351	2.894	116.3
B_2089_A		16.46	ug/L	2.149	13.06	19.31
Ba4554_R		1.656	ug/L	0.5233	31.61	22.64
Be3130_R		1.071	ug/L	0.03641	3.399	29.64
Ca3158_R		481,400	ug/L	1,928	0.4004	252,500
Cd2265_A		2.470	ug/L	0.3265	13.22	184.3
Co2286_A		1.169	ug/L	0.2441	20.88	16.90
Cr2677_A		1.693	ug/L	0.1759	10.39	28.95
Cu3273_A		0.2803	ug/L	0.6142	219.1	52.40
Fe2599_R	W	231,300	ug/L	2,584	1.117	141,200
K_7664_R		291,500	ug/L	65.97	0.02263	131,500
Li6707_R		17.53	ug/L	1.093	6.236	129.6
Mg2025_A	W	180,000	ug/L	545.9	0.3033	30,120
Mn2576_R		8.674	ug/L	0.5943	6.852	37.17
Mo2020_A		27.82	ug/L	6.170	22.18	49.84
Na5895_R	W	188,200	ug/L	2,410	1.280	198,400
Ni2316_A		2.418	ug/L	0.1208	4.995	-7.689
Pb2203_A		-1.375	ug/L	2.870	208.7	-49.53
Sb2068_A		22.48	ug/L	6.877	30.59	9.554
Se1960_A		15.58	ug/L	2.118	13.60	-0.08625
Si2516_R	W	92,730	ug/L	312.8	0.3373	14,900
Sn1899_A		6.139	ug/L	0.2499	4.071	2.791
Sr4215_R		3.367	ug/L	0.2180	6.476	66.91
Ti3349_A		15.11	ug/L	0.8977	5.939	304.8
Tl1908_A		-1.041	ug/L	0.5715	54.90	0.8692
V_2924_A		0.8012	ug/L	0.1546	19.30	61.30
Zn2062_A		12.40	ug/L	0.07845	0.6328	32.10
Y_3600_R		8,408.4	Cts/S	39.273	0.46707	8,408.4
Y_2243_A		5,720.5	Cts/S	12.707	0.22214	5,720.5
Y_3600_A		164,770	Cts/S	2,284.5	1.3864	164,770

ICSA

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:53:40PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-3.547	ug/L	0.6767	19.08	-743.9
Al3961_R		495,000	ug/L	7,171	1.449	159,000
As1891_A		3.471	ug/L	1.821	52.46	-6.793
Au2427_A		-1.505	ug/L	1.795	119.3	71.49
B_2089_A		5.595	ug/L	0.1460	2.609	10.39
Ba4554_R		0.4653	ug/L	0.2822	60.64	-5.109
Be3130_R		0.04166	ug/L	0.07568	181.6	-8.050

ICSA

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:53:40PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ca3158_R		482,100	ug/L	5,665	1.175	246,900
Cd2265_A		0.4071	ug/L	0.03068	7.537	130.8
Co2286_A		-1.577	ug/L	0.5655	35.87	7.881
Cr2677_A		1.290	ug/L	0.1644	12.74	23.24
Cu3273_A		0.5764	ug/L	0.07926	13.75	58.97
Fe2599_R		187,500	ug/L	1,702	0.9079	111,800
K_7664_R		326.1	ug/L	25.90	7.944	96.49
Li6707_R		13.76	ug/L	0.9894	7.190	100.9
Mg2025_A		438,300	ug/L	289.0	0.06594	73,000
Mn2576_R		0.7737	ug/L	0.003509	0.4536	9.529
Mo2020_A		0.2873	ug/L	0.05400	18.80	5.904
Na5895_R		65.71	ug/L	7.838	11.93	-37.60
Ni2316_A		-0.8444	ug/L	0.7147	84.63	-10.56
Pb2203_A		-0.3966	ug/L	1.729	435.9	-49.62
Sb2068_A		3.670	ug/L	3.820	104.1	4.524
Se1960_A		3.473	ug/L	5.177	149.1	-1.802
Si2516_R		22.85	ug/L	23.05	100.9	1.680
Sn1899_A		2.569	ug/L	0.2272	8.845	1.357
Sr4215_R		2.653	ug/L	0.1746	6.582	43.77
Ti3349_A		2.519	ug/L	0.07789	3.092	41.57
Tl1908_A		-2.078	ug/L	0.8876	42.72	0.4786
V_2924_A		-0.8268	ug/L	0.03692	4.465	36.05
Zn2062_A		8.397	ug/L	0.1429	1.702	22.08
Y_3600_R		8,210.8	Cts/S	240.55	2.9297	8,210.8
Y_2243_A		5,693.3	Cts/S	6.3259	0.11111	5,693.3
Y_3600_A		163,480	Cts/S	51.076	0.031243	163,480

ICSAB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:58:08PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		216.6	ug/L	0.3718	0.1716	2,912
Al3961_R		496,200	ug/L	967.8	0.1950	158,800
As1891_A		102.5	ug/L	1.024	0.9993	15.37
Au2427_A		520.4	ug/L	2.392	0.4596	1,543
B_2089_A		486.9	ug/L	0.8162	0.1676	382.6
Ba4554_R		494.4	ug/L	1.702	0.3444	11,190
Be3130_R		500.9	ug/L	2.338	0.4668	18,060
Ca3158_R		483,500	ug/L	2,872	0.5941	246,600
Cd2265_A		949.8	ug/L	3.917	0.4124	10,850
Co2286_A		463.8	ug/L	1.558	0.3360	1,318
Cr2677_A		492.6	ug/L	1.136	0.2307	5,568
Cu3273_A		509.0	ug/L	0.5695	0.1119	5,740
Fe2599_R		187,600	ug/L	1,230	0.6556	111,400
K_7664_R		20,590	ug/L	14.94	0.07259	8,987
Li6707_R		535.4	ug/L	0.9604	0.1794	3,616
Mg2025_A		437,400	ug/L	1,042	0.2382	73,220
Mn2576_R		477.0	ug/L	3.461	0.7255	1,521
Mo2020_A		484.4	ug/L	2.688	0.5549	778.2
Na5895_R		20,360	ug/L	12.27	0.06028	20,770
Ni2316_A		927.3	ug/L	3.804	0.4102	1,405
Pb2203_A		45.95	ug/L	1.451	3.157	-11.31
Sb2068_A		591.9	ug/L	0.1714	0.02896	159.0
Se1960_A		53.41	ug/L	1.604	3.003	5.408
Si2516_R		1,975	ug/L	11.40	0.5772	307.9
Sn1899_A		467.5	ug/L	3.546	0.7585	187.3

ICSAB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 2:58:08PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Sr4215_R		497.3	ug/L	3.027	0.6087	14,960
Ti3349_A		509.6	ug/L	0.6444	0.1264	10,490
Tl1908_A		81.27	ug/L	0.5313	0.6537	31.71
V_2924_A		512.3	ug/L	0.7628	0.1489	5,283
Zn2062_A		932.5	ug/L	4.369	0.4686	2,312
Y_3600_R		8,175.8	Cts/S	36.391	0.44511	8,175.8
Y_2243_A		5,721.4	Cts/S	23.851	0.41688	5,721.4
Y_3600_A		162,740	Cts/S	962.34	0.59132	162,740

CCV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:02:32PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		500.1	ug/L	1.759	0.3518	9,631
Al3961_R		12,520	ug/L	30.04	0.2399	4,147
As1891_A		499.9	ug/L	1.579	0.3158	123.1
Au2427_A		495.4	ug/L	0.003279	0.0006619	1,572
B_2089_A		507.1	ug/L	0.8771	0.1730	446.7
Ba4554_R		497.5	ug/L	2.235	0.4493	11,690
Be3130_R		497.4	ug/L	0.9215	0.1853	18,630
Ca3158_R		12,320	ug/L	61.01	0.4953	6,516
Cd2265_A		505.6	ug/L	0.1975	0.03906	6,414
Co2286_A		511.2	ug/L	0.2573	0.05033	1,622
Cr2677_A		500.7	ug/L	1.918	0.3832	6,610
Cu3273_A		501.2	ug/L	0.6903	0.1377	6,548
Fe2599_R		12,450	ug/L	27.46	0.2207	7,678
K_7664_R		12,400	ug/L	11.49	0.09266	5,601
Li6707_R		497.3	ug/L	0.01374	0.002763	3,488
Mg2025_A		12,960	ug/L	1.518	0.01172	2,454
Mn2576_R		496.6	ug/L	1.695	0.3413	1,636
Mo2020_A		506.6	ug/L	1.701	0.3359	912.5
Na5895_R		12,330	ug/L	105.5	0.8556	13,020
Ni2316_A		510.4	ug/L	0.4301	0.08426	872.5
Pb2203_A		513.1	ug/L	1.315	0.2563	485.0
Sb2068_A		507.3	ug/L	1.972	0.3887	150.7
Se1960_A		499.5	ug/L	2.824	0.5653	79.89
Si2516_R		12,980	ug/L	37.21	0.2867	2,111
Sn1899_A		506.5	ug/L	1.540	0.3041	227.5
Sr4215_R		494.9	ug/L	3.716	0.7508	15,460
Ti3349_A		494.1	ug/L	0.5064	0.1025	11,880
Tl1908_A		515.5	ug/L	0.4490	0.08710	219.0
V_2924_A		496.1	ug/L	2.781	0.5606	5,926
Zn2062_A		505.9	ug/L	0.6144	0.1214	1,407
Y_3600_R		8,490.3	Cts/S	105.75	1.2455	8,490.3
Y_2243_A		6,416.8	Cts/S	15.778	0.24589	6,416.8
Y_3600_A		190,200	Cts/S	428.53	0.22531	190,200

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:06:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1841	ug/L	0.3334	181.1	-23.29
Al3961_R		46.40	ug/L	22.01	47.44	-5.517
As1891_A		1.245	ug/L	1.233	99.06	-0.9672
Au2427_A		0.8869	ug/L	0.9039	101.9	3.075

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:06:53PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
B_2089_A		0.4813	ug/L	0.5659	117.6	7.618
Ba4554_R		0.01121	ug/L	0.6916	6,168	-15.93
Be3130_R		0.2115	ug/L	0.09640	45.59	-1.946
Ca3158_R		14.66	ug/L	2.025	13.82	0.1705
Cd2265_A		0.06438	ug/L	0.05748	89.27	0.7743
Co2286_A		-0.1180	ug/L	0.1334	113.1	7.926
Cr2677_A		0.2103	ug/L	0.2010	95.56	8.605
Cu3273_A		0.09954	ug/L	0.08564	86.04	3.537
Fe2599_R		4.893	ug/L	2.316	47.33	6.457
K_7664_R		56.04	ug/L	14.59	26.03	-23.55
Li6707_R		4.398	ug/L	0.9372	21.31	39.09
Mg2025_A		8.257	ug/L	0.6362	7.705	0.6664
Mn2576_R		0.8131	ug/L	0.3600	44.27	1.281
Mo2020_A		0.7241	ug/L	0.5085	70.22	7.598
Na5895_R		10.64	ug/L	7.902	74.24	-97.80
Ni2316_A		0.1914	ug/L	0.2348	122.7	-0.05646
Pb2203_A		0.3950	ug/L	0.5190	131.4	-0.1267
Sb2068_A		0.8680	ug/L	0.5628	64.84	1.569
Se1960_A		2.218	ug/L	1.337	60.29	-0.2924
Si2516_R		3.016	ug/L	0.5177	17.17	3.813
Sn1899_A		-0.8451	ug/L	0.6362	75.29	-0.001244
Sr4215_R		0.04352	ug/L	0.2265	520.4	-36.70
Ti3349_A		0.3155	ug/L	0.2454	77.78	-4.936
Tl1908_A		-1.195	ug/L	0.3841	32.14	-0.2530
V_2924_A		-0.2067	ug/L	0.2431	117.6	-2.502
Zn2062_A		0.01870	ug/L	0.03346	178.9	1.626
Y_3600_R		8,525.1	Cts/S	11.334	0.13295	8,525.1
Y_2243_A		6,556.0	Cts/S	22.504	0.34326	6,556.0
Y_3600_A		199,800	Cts/S	4,055.2	2.0296	199,800

SG4987-001T

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:11:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3594	ug/L	0.1685	46.87	-25.97
Al3961_R		385.9	ug/L	15.91	4.124	105.8
As1891_A		1.571	ug/L	1.510	96.09	-0.8374
Au2427_A		1.106	ug/L	0.6081	54.98	2.896
B_2089_A		6.873	ug/L	0.3954	5.753	12.02
Ba4554_R		119.8	ug/L	0.5243	0.4375	2,765
Be3130_R		0.1110	ug/L	0.06822	61.45	-5.632
Ca3158_R	W	47,240	ug/L	113.9	0.2412	24,660
Cd2265_A		0.1251	ug/L	0.07960	63.63	1.881
Co2286_A		0.9986	ug/L	0.1596	15.98	10.66
Cr2677_A		2.751	ug/L	0.04821	1.753	38.81
Cu3273_A		5.276	ug/L	1.075	20.38	65.64
Fe2599_R		635.4	ug/L	4.585	0.7217	389.6
K_7664_R		379.8	ug/L	0.6385	0.1681	122.3
Li6707_R		4.303	ug/L	2.139	49.72	37.71
Mg2025_A		1,611	ug/L	1.849	0.1148	284.2
Mn2576_R		214.6	ug/L	2.761	1.287	696.1
Mo2020_A		-0.7255	ug/L	0.08405	11.59	4.565
Na5895_R	F	283,100	ug/L	2,712	0.9581	297,200
Ni2316_A		12.12	ug/L	0.1490	1.229	19.14
Pb2203_A		0.6364	ug/L	0.1342	21.08	0.07423
Sb2068_A		0.7470	ug/L	1.019	136.4	1.412

SG4987-001T

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:11:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Se1960_A		0.7822	ug/L	1.541	197.0	-0.4649
Si2516_R		2,643	ug/L	7.077	0.2677	426.3
Sn1899_A		-0.9029	ug/L	0.7982	88.41	-0.02625
Sr4215_R	W	3,153	ug/L	4.997	0.1585	97,320
Ti3349_A		0.8558	ug/L	0.2590	30.26	7.706
Tl1908_A		-1.448	ug/L	0.5346	36.92	-0.4792
V_2924_A		0.2202	ug/L	0.6576	298.6	-3.223
Zn2062_A		584.6	ug/L	0.6416	0.1098	1,534
Y_3600_R		8,371.4	Cts/S	17.095	0.20421	8,371.4
Y_2243_A		6,049.6	Cts/S	6.9624	0.11509	6,049.6
Y_3600_A		175,560	Cts/S	112.77	0.064231	175,560

PBSGG26ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:16:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.02889	ug/L	0.2936	1,016	-18.81
Al3961_R		49.56	ug/L	11.52	23.25	-4.614
As1891_A		1.181	ug/L	1.935	163.9	-0.9948
Au2427_A		0.5037	ug/L	1.290	256.1	1.849
B_2089_A		-1.260	ug/L	0.01290	1.024	6.114
Ba4554_R		0.8250	ug/L	0.4348	52.71	3.355
Be3130_R		0.1127	ug/L	0.02029	18.00	-5.810
Ca3158_R	F	124.2	ug/L	0.8162	0.6571	59.91
Cd2265_A		-0.03671	ug/L	0.08969	244.3	-0.5201
Co2286_A		-0.2284	ug/L	0.2398	105.0	7.646
Cr2677_A		0.8634	ug/L	0.05781	6.696	17.55
Cu3273_A		1.877	ug/L	0.3913	20.84	27.72
Fe2599_R		29.08	ug/L	4.441	15.27	21.97
K_7664_R		108.0	ug/L	34.45	31.91	0.2528
Li6707_R		-0.5660	ug/L	3.005	530.9	4.358
Mg2025_A		42.05	ug/L	4.522	10.76	7.198
Mn2576_R		1.964	ug/L	0.1633	8.317	5.219
Mo2020_A		-1.612	ug/L	0.07063	4.382	3.359
Na5895_R		99.40	ug/L	6.391	6.429	-2.946
Ni2316_A		0.1896	ug/L	0.2258	119.1	-0.06513
Pb2203_A		0.5628	ug/L	1.125	199.9	0.03681
Sb2068_A		-0.3753	ug/L	1.692	450.8	1.134
Se1960_A		1.726	ug/L	0.3974	23.03	-0.3774
Si2516_R		15.58	ug/L	11.25	72.18	6.000
Sn1899_A		24.88	ug/L	0.4106	1.650	11.90
Sr4215_R		0.6489	ug/L	0.2071	31.91	-18.09
Ti3349_A		0.5356	ug/L	0.1067	19.92	0.6743
Tl1908_A		-1.963	ug/L	0.2949	15.02	-0.5935
V_2924_A		-0.2925	ug/L	0.2318	79.26	-3.335
Zn2062_A		1.322	ug/L	0.03111	2.353	5.377
Y_3600_R		8,740.1	Cts/S	34.451	0.39418	8,740.1
Y_2243_A		6,619.0	Cts/S	15.302	0.23119	6,619.0
Y_3600_A		198,310	Cts/S	2,420.6	1.2206	198,310

LCSOGG26ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:20:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		47.71	ug/L	0.9119	1.911	904.8

LCSOGG26ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:20:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Al3961_R		1,924	ug/L	39.38	2.047	627.7
As1891_A		92.36	ug/L	1.039	1.125	22.18
Au2427_A		-0.5717	ug/L	0.8381	146.6	-3.237
B_2089_A		464.6	ug/L	0.7119	0.1532	410.3
Ba4554_R		1,935	ug/L	0.9555	0.04938	45,900
Be3130_R		48.70	ug/L	0.2886	0.5926	1,825
Ca3158_R		2,487	ug/L	28.34	1.140	1,321
Cd2265_A		236.1	ug/L	0.03922	0.01661	3,037
Co2286_A		497.4	ug/L	0.4062	0.08167	1,602
Cr2677_A		197.7	ug/L	3.480	1.760	2,630
Cu3273_A		249.6	ug/L	3.741	1.499	3,274
Fe2599_R		997.1	ug/L	6.121	0.6138	623.4
K_7664_R		9,564	ug/L	8.918	0.09325	4,346
Li6707_R		475.6	ug/L	0.8766	0.1843	3,364
Mg2025_A		4,927	ug/L	3.243	0.06582	958.6
Mn2576_R		476.9	ug/L	0.08136	0.01706	1,584
Mo2020_A		283.0	ug/L	1.682	0.5943	520.2
Na5895_R		7,114	ug/L	53.89	0.7576	7,530
Ni2316_A		490.0	ug/L	0.3306	0.06747	850.7
Pb2203_A		97.08	ug/L	1.076	1.109	92.61
Sb2068_A		96.14	ug/L	0.8999	0.9360	28.94
Se1960_A		93.28	ug/L	3.490	3.741	14.66
Si2516_R	F	3,641	ug/L	49.11	1.349	599.9
Sn1899_A		508.1	ug/L	0.6499	0.1279	231.8
Sr4215_R		476.2	ug/L	2.075	0.4358	15,000
Ti3349_A		483.6	ug/L	9.002	1.862	11,690
Tl1908_A		94.79	ug/L	0.8822	0.9307	40.84
V_2924_A		481.9	ug/L	9.151	1.899	5,826
Zn2062_A		485.9	ug/L	0.3490	0.07183	1,373
Y_3600_R		8,561.2	Cts/S	32.850	0.38370	8,561.2
Y_2243_A		6,514.9	Cts/S	15.124	0.23215	6,514.9
Y_3600_A		191,350	Cts/S	2,885.9	1.5082	191,350

LC2OGG26ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:24:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		46.78	ug/L	0.3821	0.8168	899.7
Al3961_R		1,853	ug/L	101.7	5.489	621.9
As1891_A		94.00	ug/L	0.4436	0.4719	22.32
Au2427_A		-0.6223	ug/L	0.1059	17.01	-3.322
B_2089_A		471.0	ug/L	5.916	1.256	410.7
Ba4554_R		1,879	ug/L	84.89	4.518	45,900
Be3130_R		47.18	ug/L	1.959	4.151	1,820
Ca3158_R		2,425	ug/L	113.3	4.672	1,325
Cd2265_A		240.9	ug/L	2.210	0.9174	3,060
Co2286_A		507.3	ug/L	5.292	1.043	1,613
Cr2677_A		195.2	ug/L	0.3255	0.1668	2,633
Cu3273_A		247.1	ug/L	0.2085	0.08435	3,288
Fe2599_R		956.5	ug/L	57.86	6.050	615.7
K_7664_R		9,311	ug/L	396.7	4.260	4,355
Li6707_R		461.2	ug/L	18.76	4.068	3,360
Mg2025_A		5,011	ug/L	48.18	0.9615	962.7
Mn2576_R		465.4	ug/L	22.44	4.821	1,591
Mo2020_A		291.1	ug/L	3.111	1.069	528.1
Na5895_R		6,900	ug/L	312.7	4.533	7,516

LC2OGG26ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:24:58PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ni2316_A		499.8	ug/L	6.425	1.285	856.7
Pb2203_A		99.63	ug/L	1.143	1.148	93.88
Sb2068_A		97.53	ug/L	2.187	2.242	28.94
Se1960_A		95.29	ug/L	5.010	5.257	14.80
Si2516_R	F	3,893	ug/L	239.7	6.156	659.9
Sn1899_A		516.9	ug/L	2.701	0.5225	232.8
Sr4215_R		461.0	ug/L	22.84	4.955	14,950
Ti3349_A		477.9	ug/L	0.6283	0.1315	11,720
Tl1908_A		95.25	ug/L	0.9746	1.023	40.54
V_2924_A		476.0	ug/L	2.531	0.5318	5,836
Zn2062_A		493.5	ug/L	5.171	1.048	1,377
Y_3600_R		8,823.1	Cts/S	360.71	4.0882	8,823.1
Y_2243_A		6,432.8	Cts/S	39.092	0.60770	6,432.8
Y_3600_A		194,100	Cts/S	1,015.8	0.52335	194,100

SG5337-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:29:23PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.250	ug/L	0.5125	41.01	-36.79
Al3961_R		514.3	ug/L	55.45	10.78	140.3
As1891_A		0.8568	ug/L	1.660	193.8	-0.8735
Au2427_A		-10.41	ug/L	1.577	15.15	-26.91
B_2089_A		57.06	ug/L	0.6139	1.076	45.08
Ba4554_R		127.6	ug/L	0.006105	0.004785	2,794
Be3130_R		-0.1496	ug/L	0.08271	55.27	-15.05
Ca3158_R	F	2,865,000	ug/L	11,230	0.3920	1,419,000
Cd2265_A		-0.4515	ug/L	0.02240	4.961	-4.397
Co2286_A		0.8792	ug/L	0.03068	3.490	9.119
Cr2677_A		43.15	ug/L	0.7846	1.818	467.1
Cu3273_A		54.23	ug/L	1.113	2.053	578.0
Fe2599_R		548.6	ug/L	5.798	1.057	319.5
K_7664_R		11,980	ug/L	28.08	0.2345	5,059
Li6707_R		44.33	ug/L	3.068	6.921	297.8
Mg2025_A	W	30,340	ug/L	235.6	0.7765	4,691
Mn2576_R		39.99	ug/L	1.795	4.489	122.0
Mo2020_A		1.156	ug/L	0.1687	14.59	6.770
Na5895_R	W	129,000	ug/L	450.0	0.3487	128,400
Ni2316_A		3.482	ug/L	0.3715	10.67	4.568
Pb2203_A	F	-5.157	ug/L	0.6744	13.08	-4.507
Sb2068_A		0.9696	ug/L	2.696	278.1	1.359
Se1960_A		16.14	ug/L	1.847	11.44	1.617
Si2516_R		287.4	ug/L	0.7438	0.2588	46.71
Sn1899_A		24.17	ug/L	0.4167	1.724	9.241
Sr4215_R	W	1,687	ug/L	8.770	0.5199	49,380
Ti3349_A		24.46	ug/L	0.1875	0.7663	468.6
Tl1908_A		-0.09268	ug/L	1.771	1,911	0.1500
V_2924_A		0.03880	ug/L	0.1039	267.7	-2.221
Zn2062_A		3.411	ug/L	0.1000	2.932	8.969
Y_3600_R		7,940.4	Cts/S	33.101	0.41687	7,940.4
Y_2243_A		5,286.3	Cts/S	41.655	0.78799	5,286.3
Y_3600_A		154,610	Cts/S	779.94	0.50447	154,610

SG5335-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM

SG5335-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:33:56PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		35.66	ug/L	0.003615	0.01014	-217.6
Al3961_R	W	125,300	ug/L	130.1	0.1038	44,360
As1891_A		121.0	ug/L	1.586	1.310	22.44
Au2427_A		4.678	ug/L	1.715	36.66	100.2
B_2089_A		260.0	ug/L	0.9775	0.3760	232.1
Ba4554_R	W	1,263	ug/L	8.857	0.7015	31,650
Be3130_R		6.669	ug/L	0.01602	0.2403	96.40
Ca3158_R	W	27,410	ug/L	260.8	0.9516	15,460
Cd2265_A		174.0	ug/L	0.05048	0.02902	2,414
Co2286_A		57.62	ug/L	0.1597	0.2771	243.8
Cr2677_A	W	4,179	ug/L	9.740	0.2331	56,210
Cu3273_A	W	10,990	ug/L	41.30	0.3757	146,500
Fe2599_R	W	202,300	ug/L	20.28	0.01002	133,000
K_7664_R	W	25,770	ug/L	181.9	0.7058	12,460
Li6707_R		276.2	ug/L	4.518	1.636	2,069
Mg2025_A	W	51,990	ug/L	100.4	0.1932	9,972
Mn2576_R	W	1,754	ug/L	13.12	0.7480	6,169
Mo2020_A		95.73	ug/L	0.3407	0.3559	181.9
Na5895_R	W	47,660	ug/L	1,017	2.133	53,970
Ni2316_A		683.8	ug/L	1.332	0.1948	1,183
Pb2203_A	W	5,392	ug/L	7.027	0.1303	5,218
Sb2068_A		50.46	ug/L	0.8989	1.782	29.84
Se1960_A		8.241	ug/L	0.01821	0.2210	0.2787
Si2516_R		1,814	ug/L	3.069	0.1692	312.6
Sn1899_A		704.3	ug/L	2.868	0.4072	323.1
Sr4215_R		481.1	ug/L	6.423	1.335	16,020
Ti3349_A	W	6,095	ug/L	5.619	0.09218	149,500
Tl1908_A		0.7484	ug/L	0.1735	23.18	-4.258
V_2924_A		481.7	ug/L	0.2873	0.05964	5,754
Zn2062_A	W	15,070	ug/L	0.8003	0.005311	42,790
Y_3600_R		9,047.6	Cts/S	6.4420	0.071201	9,047.6
Y_2243_A		6,554.0	Cts/S	0.60475	0.0092272	6,554.0
Y_3600_A		193,930	Cts/S	706.26	0.36418	193,930

SG5335-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:38:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		36.61	ug/L	0.4312	1.178	-232.8
Al3961_R	W	125,700	ug/L	425.5	0.3386	44,790
As1891_A		118.2	ug/L	1.440	1.218	21.59
Au2427_A		5.141	ug/L	0.1071	2.084	105.5
B_2089_A		262.1	ug/L	1.485	0.5664	235.2
Ba4554_R	W	1,241	ug/L	2.633	0.2122	31,320
Be3130_R		6.679	ug/L	0.1906	2.854	100.9
Ca3158_R	W	27,050	ug/L	47.59	0.1759	15,370
Cd2265_A		191.8	ug/L	0.3229	0.1683	2,665
Co2286_A		59.60	ug/L	0.03973	0.06667	250.7
Cr2677_A	W	4,594	ug/L	1.154	0.02512	62,240
Cu3273_A	W	11,070	ug/L	12.56	0.1135	148,600
Fe2599_R	W	210,200	ug/L	1,449	0.6896	139,100
K_7664_R	W	26,220	ug/L	88.95	0.3392	12,770
Li6707_R		286.0	ug/L	1.898	0.6636	2,156
Mg2025_A	W	54,680	ug/L	58.76	0.1075	10,540
Mn2576_R	W	1,824	ug/L	12.97	0.7113	6,459
Mo2020_A		96.93	ug/L	0.6187	0.6383	185.1

SG5335-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:38:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	46,520	ug/L	199.6	0.4291	53,050
Ni2316_A		759.3	ug/L	0.1763	0.02322	1,321
Pb2203_A	W	5,044	ug/L	10.18	0.2018	4,906
Sb2068_A		53.24	ug/L	0.6961	1.307	32.36
Se1960_A		8.214	ug/L	3.374	41.08	0.2761
Si2516_R		1,294	ug/L	9.157	0.7079	223.9
Sn1899_A		700.4	ug/L	0.02208	0.003153	323.0
Sr4215_R		468.2	ug/L	0.3686	0.07873	15,700
Ti3349_A	W	5,975	ug/L	30.44	0.5095	147,700
Tl1908_A		1.526	ug/L	0.9692	63.50	-3.938
V_2924_A		486.3	ug/L	0.4395	0.09038	5,829
Zn2062_A	W	14,380	ug/L	38.51	0.2678	41,040
Y_3600_R		9,111.3	Cts/S	83.814	0.91989	9,111.3
Y_2243_A		6,589.2	Cts/S	24.276	0.36843	6,589.2
Y_3600_A		195,360	Cts/S	634.42	0.32475	195,360

SG5335-003

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:42:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.20	ug/L	1.140	2.184	-90.27
Al3961_R	W	150,300	ug/L	1,436	0.9551	53,470
As1891_A		124.2	ug/L	0.2322	0.1870	21.66
Au2427_A		4.159	ug/L	1.069	25.71	116.8
B_2089_A		307.4	ug/L	0.4393	0.1429	272.7
Ba4554_R	W	1,151	ug/L	3.563	0.3095	29,000
Be3130_R		7.800	ug/L	0.006001	0.07694	110.3
Ca3158_R	W	33,010	ug/L	362.9	1.099	18,710
Cd2265_A		257.3	ug/L	0.4195	0.1630	3,521
Co2286_A		72.47	ug/L	0.2046	0.2823	300.5
Cr2677_A	W	6,328	ug/L	14.45	0.2283	84,820
Cu3273_A	W	12,450	ug/L	34.73	0.2789	165,400
Fe2599_R	W	247,400	ug/L	1,873	0.7572	163,300
K_7664_R	W	31,500	ug/L	23.35	0.07412	15,320
Li6707_R		328.2	ug/L	1.210	0.3687	2,468
Mg2025_A	W	66,930	ug/L	26.54	0.03965	12,810
Mn2576_R	W	2,210	ug/L	0.7735	0.03500	7,810
Mo2020_A		119.6	ug/L	0.5480	0.4582	225.4
Na5895_R	W	55,840	ug/L	973.6	1.744	63,560
Ni2316_A	W	1,036	ug/L	2.838	0.2740	1,791
Pb2203_A	W	4,902	ug/L	2.583	0.05269	4,730
Sb2068_A		70.47	ug/L	0.5585	0.7926	43.39
Se1960_A		6.032	ug/L	0.9739	16.15	-0.1587
Si2516_R		1,565	ug/L	0.03154	0.002015	269.7
Sn1899_A		769.0	ug/L	0.3444	0.04479	352.0
Sr4215_R		521.5	ug/L	4.925	0.9444	17,450
Ti3349_A	W	7,313	ug/L	53.63	0.7333	178,800
Tl1908_A		0.6436	ug/L	1.939	301.3	-5.284
V_2924_A		583.4	ug/L	3.394	0.5817	6,869
Zn2062_A	W	14,310	ug/L	2.652	0.01853	40,550
Y_3600_R		9,090.5	Cts/S	27.261	0.29989	9,090.5
Y_2243_A		6,540.6	Cts/S	20.190	0.30869	6,540.6
Y_3600_A		193,290	Cts/S	460.24	0.23811	193,290

SG5337-001

Method Name: K6010-2011 Method Revision: 851

SG5337-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:47:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.882	ug/L	0.6039	32.09	-33.40
Al3961_R		969.6	ug/L	67.99	7.013	133.2
As1891_A		2.006	ug/L	2.257	112.5	-0.8922
Au2427_A		-12.04	ug/L	0.2116	1.757	-16.47
B_2089_A		54.26	ug/L	0.5021	0.9254	25.97
Ba4554_R		126.4	ug/L	1.547	1.223	1,399
Be3130_R		-0.1922	ug/L	0.09909	51.57	-13.11
Ca3158_R	F	2,937,000	ug/L	70,220	2.390	739,300
Cd2265_A		-0.3142	ug/L	0.2098	66.76	-1.577
Co2286_A		1.158	ug/L	0.2796	24.14	8.794
Cr2677_A		46.28	ug/L	0.8923	1.928	271.7
Cu3273_A		57.42	ug/L	1.095	1.906	330.1
Fe2599_R		623.9	ug/L	3.815	0.6115	186.1
K_7664_R		11,860	ug/L	90.69	0.7645	2,522
Li6707_R		48.18	ug/L	1.734	3.600	167.9
Mg2025_A		30,540	ug/L	60.90	0.1994	2,510
Mn2576_R		42.12	ug/L	2.635	6.255	64.65
Mo2020_A		-1.757	ug/L	0.4374	24.89	4.003
Na5895_R	W	128,300	ug/L	145.3	0.1132	64,850
Ni2316_A		3.359	ug/L	1.116	33.23	2.163
Pb2203_A		-6.747	ug/L	0.2594	3.845	-3.296
Sb2068_A		-2.892	ug/L	4.317	149.3	0.7872
Se1960_A		30.47	ug/L	9.838	32.29	1.587
Si2516_R		294.4	ug/L	5.063	1.720	25.84
Sn1899_A		24.73	ug/L	1.594	6.446	5.186
Sr4215_R		1,678	ug/L	10.62	0.6331	24,930
Ti3349_A		26.32	ug/L	0.7905	3.004	266.2
Tl1908_A		0.5975	ug/L	1.391	232.8	0.3205
V_2924_A		-0.02117	ug/L	1.720	8,123	-1.331
Zn2062_A		5.977	ug/L	0.2352	3.936	8.560
Y_3600_R		8,069.1	Cts/S	12.133	0.15036	8,069.1
Y_2243_A		5,618.3	Cts/S	5.9315	0.10557	5,618.3
Y_3600_A		166,340	Cts/S	946.13	0.56879	166,340

SG5337-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:51:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-5.130	ug/L	2.189	42.66	-27.57
Al3961_R		3,161	ug/L	366.9	11.61	82.58
As1891_A		14.11	ug/L	16.32	115.7	-0.8697
Au2427_A		-4.098	ug/L	7.546	184.1	-1.049
B_2089_A		20.63	ug/L	6.172	29.92	8.316
Ba4554_R		122.7	ug/L	1.652	1.346	268.0
Be3130_R		1.105	ug/L	0.3755	33.97	-5.648
Ca3158_R	W	3,117,000	ug/L	22,770	0.7306	162,200
Cd2265_A		-1.200	ug/L	0.2388	19.90	-1.472
Co2286_A		0.9423	ug/L	0.7419	78.74	8.075
Cr2677_A		52.95	ug/L	1.627	3.072	72.24
Cu3273_A		53.00	ug/L	1.265	2.387	68.54
Fe2599_R		536.1	ug/L	36.27	6.765	35.85
K_7664_R		11,950	ug/L	0.7806	0.006530	487.2
Li6707_R		59.02	ug/L	7.531	12.76	48.63
Mg2025_A		32,940	ug/L	180.4	0.5476	591.2
Mn2576_R		36.30	ug/L	5.229	14.41	10.37
Mo2020_A		-22.13	ug/L	1.970	8.905	2.090

SG5337-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:51:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		129,600	ug/L	1,007	0.7767	13,460
Ni2316_A		2.495	ug/L	0.1749	7.011	0.03465
Pb2203_A		-11.82	ug/L	4.120	34.86	-1.583
Sb2068_A		-11.41	ug/L	4.474	39.19	0.9139
Se1960_A		53.72	ug/L	12.76	23.75	0.2124
Si2516_R		313.7	ug/L	5.117	1.631	8.247
Sn1899_A		23.16	ug/L	6.013	25.96	1.357
Sr4215_R		1,693	ug/L	6.201	0.3662	5,175
Ti3349_A		15.19	ug/L	0.6854	4.513	23.30
Tl1908_A		-7.199	ug/L	3.062	42.54	-0.04553
V_2924_A		-5.911	ug/L	3.032	51.30	-6.800
Zn2062_A		9.432	ug/L	2.267	24.04	3.972
Y_3600_R		8,343.2	Cts/S	87.457	1.0482	8,343.2
Y_2243_A		6,145.0	Cts/S	31.183	0.50746	6,145.0
Y_3600_A		182,530	Cts/S	2,028.9	1.1115	182,530

CCV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 3:56:14PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		492.9	ug/L	2.176	0.4415	9,619
Al3961_R		12,410	ug/L	42.01	0.3385	4,086
As1891_A		492.9	ug/L	1.378	0.2795	122.6
Au2427_A		491.7	ug/L	1.801	0.3663	1,576
B_2089_A		493.3	ug/L	1.324	0.2685	439.2
Ba4554_R		496.9	ug/L	2.567	0.5167	11,610
Be3130_R		492.4	ug/L	0.9585	0.1946	18,330
Ca3158_R		12,150	ug/L	94.26	0.7761	6,388
Cd2265_A		498.3	ug/L	0.4650	0.09332	6,386
Co2286_A		504.4	ug/L	0.05863	0.01162	1,616
Cr2677_A		495.3	ug/L	2.149	0.4339	6,627
Cu3273_A		496.8	ug/L	0.3348	0.06740	6,577
Fe2599_R		12,230	ug/L	49.76	0.4069	7,499
K_7664_R		12,410	ug/L	2.534	0.02041	5,576
Li6707_R		493.6	ug/L	4.218	0.8545	3,442
Mg2025_A		12,760	ug/L	61.10	0.4790	2,440
Mn2576_R		488.3	ug/L	4.118	0.8432	1,599
Mo2020_A		494.5	ug/L	2.015	0.4074	899.9
Na5895_R		12,280	ug/L	174.9	1.424	12,890
Ni2316_A		500.4	ug/L	0.8460	0.1691	864.1
Pb2203_A		502.9	ug/L	1.010	0.2009	480.1
Sb2068_A		496.3	ug/L	0.1190	0.02398	149.0
Se1960_A		495.1	ug/L	3.016	0.6092	79.98
Si2516_R		12,180	ug/L	85.99	0.7057	1,970
Sn1899_A		498.1	ug/L	0.7574	0.1521	226.1
Sr4215_R		489.0	ug/L	5.629	1.151	15,190
Ti3349_A		486.8	ug/L	4.011	0.8240	11,860
Tl1908_A		507.4	ug/L	0.6268	0.1235	217.7
V_2924_A		486.8	ug/L	2.035	0.4180	5,892
Zn2062_A		499.1	ug/L	0.4366	0.08747	1,402
Y_3600_R		8,440.3	Cts/S	58.423	0.69219	8,440.3
Y_2243_A		6,481.9	Cts/S	5.2877	0.081575	6,481.9
Y_3600_A		192,750	Cts/S	1,429.5	0.74159	192,750

CCB

Method Name: K6010-2011 Method Revision: 851

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:00:35PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.06622	ug/L	0.01065	16.08	-20.51
Al3961_R		32.58	ug/L	0.3852	1.182	-9.980
As1891_A		0.7960	ug/L	1.750	219.9	-1.085
Au2427_A		0.5267	ug/L	1.408	267.4	1.899
B_2089_A		-4.188	ug/L	0.007093	0.1694	3.594
Ba4554_R		0.4275	ug/L	0.2056	48.09	-5.974
Be3130_R		0.2214	ug/L	0.09599	43.36	-1.571
Ca3158_R		7.060	ug/L	6.963	98.62	-3.827
Cd2265_A		0.04302	ug/L	0.04520	105.1	0.4964
Co2286_A		-0.01415	ug/L	0.06700	473.6	8.287
Cr2677_A		0.1234	ug/L	0.05251	42.54	7.327
Cu3273_A		0.4613	ug/L	0.06516	14.12	8.382
Fe2599_R		-2.477	ug/L	6.280	253.5	1.884
K_7664_R		68.18	ug/L	5.028	7.376	-17.71
Li6707_R		2.404	ug/L	2.169	90.23	24.59
Mg2025_A		7.763	ug/L	1.162	14.97	0.5686
Mn2576_R		0.1131	ug/L	1.089	963.0	-1.000
Mo2020_A		-0.8401	ug/L	0.5717	68.05	4.755
Na5895_R		28.35	ug/L	10.62	37.45	-77.51
Ni2316_A		0.2192	ug/L	0.1437	65.55	-0.01066
Pb2203_A		0.5638	ug/L	0.1566	27.77	0.04032
Sb2068_A		0.4066	ug/L	0.6954	171.0	1.434
Se1960_A		0.1123	ug/L	1.401	1,247	-0.6411
Si2516_R		10.26	ug/L	2.812	27.40	4.906
Sn1899_A		-0.2880	ug/L	0.5680	197.2	0.2537
Sr4215_R		-0.04712	ug/L	0.2792	592.7	-38.85
Ti3349_A		0.4251	ug/L	0.1158	27.24	-2.086
Tl1908_A		-1.038	ug/L	0.6186	59.57	-0.1859
V_2924_A		-0.4420	ug/L	0.2851	64.50	-5.190
Zn2062_A		0.1399	ug/L	0.01106	7.907	1.977
Y_3600_R		8,384.9	Cts/S	92.707	1.1056	8,384.9
Y_2243_A		6,576.9	Cts/S	33.167	0.50430	6,576.9
Y_3600_A		197,120	Cts/S	1,262.0	0.64023	197,120

SG5353-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:05:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		3.670	ug/L	0.3497	9.527	-39.72
Al3961_R	W	41,430	ug/L	1,399	3.377	13,740
As1891_A		19.26	ug/L	0.1467	0.7617	2.694
Au2427_A		4.766	ug/L	0.8115	17.03	23.48
B_2089_A		14.87	ug/L	1.073	7.213	19.38
Ba4554_R		168.1	ug/L	3.963	2.357	3,941
Be3130_R		0.2459	ug/L	0.1074	43.66	-5.339
Ca3158_R	W	178,700	ug/L	4,824	2.699	94,630
Cd2265_A		1.962	ug/L	0.06043	3.080	41.27
Co2286_A		3.994	ug/L	0.3472	8.692	22.67
Cr2677_A		28.28	ug/L	0.02127	0.07520	374.7
Cu3273_A		524.1	ug/L	4.486	0.8559	6,775
Fe2599_R		22,000	ug/L	778.8	3.540	13,570
K_7664_R		4,557	ug/L	123.3	2.706	2,027
Li6707_R		12.56	ug/L	0.9831	7.827	96.16
Mg2025_A		7,337	ug/L	24.26	0.3306	1,362
Mn2576_R		351.6	ug/L	9.994	2.842	1,158
Mo2020_A		4.157	ug/L	0.2599	6.253	13.43

SG5353-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:05:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,663	ug/L	191.1	2.494	8,050
Ni2316_A		30.11	ug/L	0.2856	0.9487	49.40
Pb2203_A		61.47	ug/L	0.3926	0.6387	52.81
Sb2068_A		3.801	ug/L	2.043	53.74	2.465
Se1960_A		9.722	ug/L	2.253	23.17	0.7897
Si2516_R		1,733	ug/L	91.42	5.276	283.9
Sn1899_A		56.04	ug/L	0.4003	0.7144	25.25
Sr4215_R		232.8	ug/L	6.137	2.636	7,252
Ti3349_A		208.0	ug/L	1.438	0.6912	4,929
Tl1908_A		-3.599	ug/L	0.09784	2.719	-1.557
V_2924_A		40.44	ug/L	0.4717	1.166	479.6
Zn2062_A	W	3,577	ug/L	16.93	0.4735	9,843
Y_3600_R		8,491.4	Cts/S	223.81	2.6357	8,491.4
Y_2243_A		6,350.1	Cts/S	14.973	0.23580	6,350.1
Y_3600_A		187,840	Cts/S	414.70	0.22077	187,840

SG5353-001L

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:09:36PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		2.939	ug/L	2.510	85.39	-25.52
Al3961_R		40,650	ug/L	600.1	1.476	2,754
As1891_A		22.54	ug/L	2.307	10.23	-0.3011
Au2427_A		0.6260	ug/L	5.065	809.2	2.271
B_2089_A		-3.653	ug/L	3.723	101.9	6.469
Ba4554_R		161.6	ug/L	1.531	0.9471	765.0
Be3130_R		0.9012	ug/L	0.06536	7.253	-4.170
Ca3158_R	W	174,600	ug/L	2,331	1.335	18,990
Cd2265_A		1.935	ug/L	0.09225	4.767	8.294
Co2286_A		4.545	ug/L	0.2647	5.825	11.61
Cr2677_A		31.34	ug/L	1.192	3.804	88.86
Cu3273_A		537.5	ug/L	6.593	1.227	1,417
Fe2599_R		21,620	ug/L	136.0	0.6293	2,742
K_7664_R		4,711	ug/L	36.18	0.7679	390.7
Li6707_R		25.82	ug/L	15.29	59.24	45.41
Mg2025_A		8,120	ug/L	95.76	1.179	308.7
Mn2576_R		349.1	ug/L	3.669	1.051	235.2
Mo2020_A		-7.622	ug/L	0.7075	9.282	3.463
Na5895_R		7,454	ug/L	148.7	1.995	1,519
Ni2316_A		31.19	ug/L	0.7509	2.408	10.20
Pb2203_A		68.34	ug/L	5.411	7.918	11.79
Sb2068_A		-7.703	ug/L	1.321	17.15	0.8572
Se1960_A		-3.127	ug/L	12.04	385.0	-0.7835
Si2516_R		1,708	ug/L	130.8	7.660	60.25
Sn1899_A		53.98	ug/L	4.561	8.448	5.301
Sr4215_R		225.6	ug/L	1.180	0.5231	1,413
Ti3349_A		210.2	ug/L	3.702	1.761	1,005
Tl1908_A		-5.449	ug/L	2.682	49.23	-0.2688
V_2924_A		39.37	ug/L	5.407	13.73	95.49
Zn2062_A		3,661	ug/L	42.37	1.157	2,069
Y_3600_R		8,720.9	Cts/S	59.012	0.67667	8,720.9
Y_2243_A		6,517.9	Cts/S	58.904	0.90374	6,517.9
Y_3600_A		191,360	Cts/S	249.24	0.13025	191,360

SG5353-001A

Method Name: K6010-2011 Method Revision: 851

SG5353-001A

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:14:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		497.1	ug/L	14.19	2.855	9,096
Al3961_R	W	50,370	ug/L	872.7	1.733	16,520
As1891_A		508.4	ug/L	4.950	0.9737	121.7
Au2427_A		4.128	ug/L	0.5592	13.55	21.36
B_2089_A		490.4	ug/L	3.931	0.8015	422.2
Ba4554_R		646.9	ug/L	13.50	2.087	15,030
Be3130_R		485.4	ug/L	7.892	1.626	17,950
Ca3158_R	W	181,300	ug/L	3,222	1.778	94,840
Cd2265_A		474.4	ug/L	2.371	0.4999	5,887
Co2286_A		488.3	ug/L	1.964	0.4022	1,515
Cr2677_A		522.5	ug/L	15.51	2.968	6,597
Cu3273_A	W	1,036	ug/L	30.17	2.911	12,960
Fe2599_R	W	26,720	ug/L	539.3	2.019	16,280
K_7664_R		14,260	ug/L	224.3	1.573	6,371
Li6707_R		500.7	ug/L	4.838	0.9663	3,470
Mg2025_A		12,320	ug/L	85.12	0.6911	2,277
Mn2576_R		814.4	ug/L	15.09	1.853	2,652
Mo2020_A		497.1	ug/L	3.700	0.7441	874.3
Na5895_R		12,950	ug/L	224.0	1.730	13,510
Ni2316_A		511.5	ug/L	3.173	0.6204	852.9
Pb2203_A		537.0	ug/L	2.645	0.4924	491.5
Sb2068_A		472.5	ug/L	4.316	0.9135	138.6
Se1960_A		490.8	ug/L	8.955	1.824	76.51
Si2516_R		1,943	ug/L	65.58	3.374	315.2
Sn1899_A		54.44	ug/L	0.8884	1.632	24.21
Sr4215_R		702.9	ug/L	12.37	1.759	21,710
Ti3349_A		704.9	ug/L	23.63	3.352	16,210
Tl1908_A		469.6	ug/L	1.613	0.3435	194.4
V_2924_A		540.7	ug/L	17.82	3.297	6,179
Zn2062_A	W	4,013	ug/L	20.32	0.5063	10,890
Y_3600_R		8,388.5	Cts/S	83.362	0.99375	8,388.5
Y_2243_A		6,264.6	Cts/S	24.638	0.39329	6,264.6
Y_3600_A		181,960	Cts/S	4,632.1	2.5456	181,960

SG5353-001S

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:18:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		49.21	ug/L	0.001318	0.002678	834.6
Al3961_R	W	42,050	ug/L	248.7	0.5913	13,780
As1891_A		112.0	ug/L	1.172	1.046	25.60
Au2427_A		-0.5664	ug/L	0.2156	38.07	4.448
B_2089_A		467.6	ug/L	0.2283	0.04883	400.2
Ba4554_R	W	2,033	ug/L	1.321	0.06496	47,230
Be3130_R		47.89	ug/L	0.5125	1.070	1,760
Ca3158_R	W	190,900	ug/L	837.6	0.4387	99,840
Cd2265_A		225.9	ug/L	0.5349	0.2368	2,832
Co2286_A		469.4	ug/L	0.6525	0.1390	1,467
Cr2677_A		214.3	ug/L	0.7268	0.3392	2,793
Cu3273_A		770.4	ug/L	0.2671	0.03467	9,937
Fe2599_R		20,880	ug/L	211.6	1.014	12,720
K_7664_R		13,940	ug/L	99.71	0.7155	6,223
Li6707_R		484.4	ug/L	0.7819	0.1614	3,355
Mg2025_A		11,200	ug/L	22.51	0.2009	2,088
Mn2576_R		783.7	ug/L	2.643	0.3372	2,550
Mo2020_A		280.3	ug/L	0.1975	0.07047	499.6

SG5353-001S

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:18:30PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		14,110	ug/L	137.6	0.9755	14,730
Ni2316_A		489.6	ug/L	1.304	0.2664	823.0
Pb2203_A		149.6	ug/L	1.166	0.7793	134.5
Sb2068_A		87.59	ug/L	0.4206	0.4802	25.85
Se1960_A		99.93	ug/L	0.9371	0.9378	15.15
Si2516_R		1,676	ug/L	6.888	0.4110	272.0
Sn1899_A		488.0	ug/L	1.679	0.3441	215.8
Sr4215_R		684.5	ug/L	1.809	0.2643	21,130
Ti3349_A		419.0	ug/L	4.448	1.062	9,930
Tl1908_A		83.87	ug/L	0.4309	0.5138	34.86
V_2924_A		508.1	ug/L	2.866	0.5640	6,018
Zn2062_A	W	3,925	ug/L	9.021	0.2298	10,740
Y_3600_R		8,383.9	Cts/S	63.286	0.75485	8,383.9
Y_2243_A		6,316.6	Cts/S	30.329	0.48014	6,316.6
Y_3600_A		187,520	Cts/S	1,072.7	0.57202	187,520

SG5353-001P

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:22:55PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.40	ug/L	0.6498	1.264	861.9
Al3961_R	W	46,490	ug/L	463.1	0.9961	15,380
As1891_A		114.0	ug/L	2.878	2.525	25.72
Au2427_A		1.022	ug/L	0.5352	52.35	9.908
B_2089_A		483.5	ug/L	12.18	2.520	408.8
Ba4554_R	W	2,069	ug/L	29.20	1.412	48,520
Be3130_R		48.10	ug/L	0.2522	0.5243	1,783
Ca3158_R	W	174,600	ug/L	2,427	1.390	92,190
Cd2265_A		232.4	ug/L	6.191	2.664	2,882
Co2286_A		483.9	ug/L	12.54	2.591	1,495
Cr2677_A		221.2	ug/L	0.4716	0.2132	2,860
Cu3273_A		797.2	ug/L	2.694	0.3379	10,200
Fe2599_R		22,630	ug/L	306.0	1.352	13,910
K_7664_R		14,690	ug/L	157.5	1.072	6,625
Li6707_R		480.1	ug/L	7.758	1.616	3,357
Mg2025_A		11,830	ug/L	324.9	2.747	2,179
Mn2576_R		818.2	ug/L	12.41	1.516	2,688
Mo2020_A		289.4	ug/L	8.588	2.968	509.7
Na5895_R		15,140	ug/L	241.4	1.594	15,970
Ni2316_A		502.7	ug/L	14.12	2.809	835.4
Pb2203_A		156.7	ug/L	3.242	2.069	139.1
Sb2068_A		91.09	ug/L	2.892	3.175	26.55
Se1960_A		104.6	ug/L	2.508	2.398	15.69
Si2516_R		2,172	ug/L	3.511	0.1616	354.8
Sn1899_A		502.0	ug/L	14.06	2.801	219.5
Sr4215_R		695.4	ug/L	10.83	1.558	21,670
Ti3349_A		454.5	ug/L	3.323	0.7311	10,680
Tl1908_A		86.38	ug/L	2.706	3.133	35.48
V_2924_A		513.0	ug/L	3.211	0.6258	6,026
Zn2062_A	W	4,322	ug/L	109.8	2.540	11,700
Y_3600_R		8,463.7	Cts/S	64.029	0.75651	8,463.7
Y_2243_A		6,246.6	Cts/S	124.99	2.0010	6,246.6
Y_3600_A		186,000	Cts/S	1,320.6	0.71002	186,000

SG5364-001

Method Name: K6010-2011 Method Revision: 851

SG5364-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:27:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.808	ug/L	2.399	132.7	-855.0
Al3961_R	W	150,100	ug/L	2,367	1.577	51,720
As1891_A		542.5	ug/L	5.229	0.9639	131.1
Au2427_A		2.739	ug/L	1.652	60.30	82.70
B_2089_A		340.4	ug/L	2.206	0.6482	301.9
Ba4554_R	W	1,091	ug/L	21.42	1.964	26,620
Be3130_R		12.27	ug/L	0.009795	0.07982	301.9
Ca3158_R	W	71,110	ug/L	1,200	1.687	39,050
Cd2265_A		4.528	ug/L	0.2165	4.782	206.2
Co2286_A		155.1	ug/L	0.8587	0.5536	565.2
Cr2677_A		525.1	ug/L	30.20	5.751	6,980
Cu3273_A		297.2	ug/L	16.50	5.552	3,693
Fe2599_R	W	179,600	ug/L	3,387	1.886	114,900
K_7664_R		14,600	ug/L	259.1	1.774	6,850
Li6707_R		180.8	ug/L	3.009	1.664	1,321
Mg2025_A	W	46,240	ug/L	344.9	0.7459	8,925
Mn2576_R	W	2,081	ug/L	32.21	1.548	7,120
Mo2020_A		81.37	ug/L	1.127	1.385	155.8
Na5895_R		4,609	ug/L	55.66	1.208	4,978
Ni2316_A		408.6	ug/L	3.018	0.7387	707.6
Pb2203_A		618.9	ug/L	3.275	0.5292	589.2
Sb2068_A		12.11	ug/L	0.8623	7.120	7.581
Se1960_A		20.81	ug/L	2.148	10.32	2.316
Si2516_R		2,049	ug/L	60.67	2.961	344.4
Sn1899_A		57.36	ug/L	0.2368	0.4129	26.82
Sr4215_R		863.8	ug/L	11.27	1.305	28,020
Ti3349_A	W	6,529	ug/L	389.5	5.965	158,000
Tl1908_A		0.7226	ug/L	1.352	187.1	-3.901
V_2924_A		605.1	ug/L	36.66	6.058	7,383
Zn2062_A		729.7	ug/L	4.789	0.6563	2,084
Y_3600_R		8,806.5	Cts/S	96.045	1.0906	8,806.5
Y_2243_A		6,592.3	Cts/S	16.595	0.25173	6,592.3
Y_3600_A		191,610	Cts/S	8,702.7	4.5419	191,610

SG5288-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:31:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5703	ug/L	0.4440	77.86	-30.09
Al3961_R		298.1	ug/L	12.20	4.093	78.84
As1891_A		3.588	ug/L	0.5997	16.71	-0.3724
Au2427_A		-0.9123	ug/L	0.5034	55.18	-2.737
B_2089_A		9.127	ug/L	0.2044	2.240	14.82
Ba4554_R		27.07	ug/L	0.2547	0.9410	626.9
Be3130_R		0.1345	ug/L	0.08025	59.66	-4.837
Ca3158_R	W	75,060	ug/L	135.3	0.1803	40,120
Cd2265_A		-0.04746	ug/L	0.02003	42.21	-0.6571
Co2286_A		0.2188	ug/L	0.4368	199.7	8.976
Cr2677_A		1.032	ug/L	0.05761	5.585	19.36
Cu3273_A		4.197	ug/L	0.4593	10.95	57.96
Fe2599_R		21.65	ug/L	8.660	40.00	16.93
K_7664_R		385.2	ug/L	16.80	4.360	127.7
Li6707_R		1.458	ug/L	0.1351	9.272	18.52
Mg2025_A		1,774	ug/L	1.099	0.06193	338.1
Mn2576_R		2.380	ug/L	1.258	52.86	6.495
Mo2020_A		-3.050	ug/L	0.08840	2.898	0.6932

SG5288-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:31:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		5,623	ug/L	11.31	0.2011	5,935
Ni2316_A		0.9921	ug/L	0.1991	20.06	1.329
Pb2203_A		0.5725	ug/L	0.8957	156.5	0.01777
Sb2068_A		-1.331	ug/L	0.4728	35.53	0.9046
Se1960_A		0.5567	ug/L	4.073	731.5	-0.5648
Si2516_R		5,194	ug/L	73.81	1.421	854.4
Sn1899_A		-0.2148	ug/L	0.5141	239.3	0.2862
Sr4215_R		92.79	ug/L	0.5150	0.5550	2,896
Ti3349_A		0.4818	ug/L	0.06903	14.33	-0.6992
Tl1908_A		-0.5475	ug/L	0.5837	106.6	0.02613
V_2924_A		1.650	ug/L	0.3540	21.46	20.80
Zn2062_A		106.5	ug/L	0.06936	0.06512	303.0
Y_3600_R		8,570.4	Cts/S	33.361	0.38925	8,570.4
Y_2243_A		6,531.9	Cts/S	7.6969	0.11784	6,531.9
Y_3600_A		193,210	Cts/S	2,317.9	1.1997	193,210

SG5132-002S

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:36:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		51.70	ug/L	0.1817	0.3514	945.2
Al3961_R		2,245	ug/L	24.65	1.098	713.1
As1891_A		103.3	ug/L	0.1137	0.1101	23.75
Au2427_A		-1.356	ug/L	0.6143	45.29	-11.48
B_2089_A		515.2	ug/L	7.627	1.480	432.2
Ba4554_R	W	2,223	ug/L	6.338	0.2851	51,140
Be3130_R		53.16	ug/L	0.1452	0.2732	1,933
Ca3158_R	W	150,100	ug/L	1,225	0.8166	77,680
Cd2265_A		249.0	ug/L	4.547	1.826	3,050
Co2286_A		523.0	ug/L	7.635	1.460	1,604
Cr2677_A		207.8	ug/L	0.6218	0.2992	2,664
Cu3273_A		266.9	ug/L	0.6936	0.2599	3,372
Fe2599_R		1,286	ug/L	13.17	1.025	778.3
K_7664_R		16,320	ug/L	12.17	0.07458	7,221
Li6707_R		548.5	ug/L	4.232	0.7716	3,760
Mg2025_A	W	29,110	ug/L	535.9	1.841	5,303
Mn2576_R	W	1,973	ug/L	9.148	0.4636	6,358
Mo2020_A		305.4	ug/L	6.120	2.004	534.0
Na5895_R	W	49,740	ug/L	353.4	0.7105	51,680
Ni2316_A		519.3	ug/L	9.618	1.852	858.3
Pb2203_A		99.95	ug/L	0.1409	0.1410	90.78
Sb2068_A		105.3	ug/L	0.1768	0.1679	30.19
Se1960_A		103.0	ug/L	3.054	2.964	15.65
Si2516_R		14,520	ug/L	36.51	0.2515	2,307
Sn1899_A		505.9	ug/L	9.191	1.817	219.7
Sr4215_R	W	1,192	ug/L	10.49	0.8802	36,450
Ti3349_A		504.9	ug/L	1.374	0.2721	11,760
Tl1908_A		94.92	ug/L	1.962	2.067	37.89
V_2924_A		517.3	ug/L	0.6857	0.1325	5,981
Zn2062_A		525.2	ug/L	7.310	1.392	1,413
Y_3600_R		8,299.5	Cts/S	4.3166	0.052011	8,299.5
Y_2243_A		6,203.8	Cts/S	83.057	1.3388	6,203.8
Y_3600_A		184,290	Cts/S	357.02	0.19373	184,290

SG5132-003

Method Name: K6010-2011 Method Revision: 851

SG5132-003

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:40:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.174	ug/L	0.03951	3.365	-410.3
Al3961_R		132.8	ug/L	41.33	31.12	23.12
As1891_A		0.3934	ug/L	0.8873	225.5	-4.150
Au2427_A		-0.04684	ug/L	0.6082	1,299	29.40
B_2089_A		-0.1112	ug/L	0.7683	690.7	6.948
Ba4554_R		24.84	ug/L	0.6217	2.503	567.3
Be3130_R		0.06293	ug/L	0.1055	167.6	-7.349
Ca3158_R		21,160	ug/L	161.9	0.7650	11,180
Cd2265_A		0.3845	ug/L	0.0006378	0.1659	71.67
Co2286_A		1.383	ug/L	0.02517	1.820	15.29
Cr2677_A		3.392	ug/L	0.3430	10.11	56.71
Cu3273_A		-0.4433	ug/L	0.06125	13.82	-10.19
Fe2599_R	W	87,130	ug/L	291.3	0.3344	53,620
K_7664_R		2,306	ug/L	5.394	0.2339	999.9
Li6707_R		3.511	ug/L	1.275	36.31	32.68
Mg2025_A		1,052	ug/L	5.885	0.5597	199.4
Mn2576_R	W	2,295	ug/L	6.989	0.3045	7,552
Mo2020_A		-1.980	ug/L	0.5136	25.94	2.623
Na5895_R		2,748	ug/L	29.30	1.066	2,812
Ni2316_A		0.08106	ug/L	0.3070	378.8	-4.985
Pb2203_A		0.5887	ug/L	0.4782	81.24	1.788
Sb2068_A		-0.5729	ug/L	0.4710	82.22	1.361
Se1960_A		-2.459	ug/L	0.7391	30.06	-0.8323
Si2516_R		4,272	ug/L	38.51	0.9015	692.9
Sn1899_A		0.6253	ug/L	0.2656	42.47	0.6648
Sr4215_R		52.48	ug/L	0.7444	1.418	1,603
Ti3349_A		-0.1672	ug/L	0.1078	64.44	-16.57
Tl1908_A		-3.336	ug/L	1.174	35.18	-2.819
V_2924_A		7.946	ug/L	0.5674	7.140	51.84
Zn2062_A		3.503	ug/L	0.01972	0.5629	11.39
Y_3600_R		8,473.1	Cts/S	37.400	0.44140	8,473.1
Y_2243_A		6,485.3	Cts/S	2.6121	0.040277	6,485.3
Y_3600_A		193,730	Cts/S	387.68	0.20011	193,730

PBWGG25ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:45:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.05549	ug/L	0.3537	637.3	-18.33
Al3961_R		18.46	ug/L	19.31	104.6	-14.77
As1891_A		-0.1551	ug/L	1.092	704.0	-1.327
Au2427_A		-1.227	ug/L	0.1308	10.66	-3.773
B_2089_A		-3.713	ug/L	0.1841	4.957	3.939
Ba4554_R		0.1186	ug/L	0.1761	148.5	-13.30
Be3130_R		0.1523	ug/L	0.05607	36.82	-4.128
Ca3158_R		6.839	ug/L	5.721	83.66	-3.952
Cd2265_A		-0.06067	ug/L	0.02941	48.48	-0.8403
Co2286_A		-0.1488	ug/L	0.03773	25.35	7.838
Cr2677_A		0.06918	ug/L	0.05443	78.68	6.665
Cu3273_A		-0.1075	ug/L	0.4131	384.4	0.6856
Fe2599_R		13.46	ug/L	0.1694	1.258	11.66
K_7664_R		-11.18	ug/L	0.2283	2.041	-53.86
Li6707_R		-0.3072	ug/L	3.858	1,256	6.006
Mg2025_A		10.66	ug/L	1.215	11.40	1.110
Mn2576_R		1.416	ug/L	0.05592	3.948	3.250
Mo2020_A		-2.542	ug/L	0.02225	0.8752	1.629

PBWGG25ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:45:01PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		24.72	ug/L	0.5569	2.253	-82.07
Ni2316_A		-0.09427	ug/L	0.1806	191.5	-0.5647
Pb2203_A		0.5272	ug/L	0.09344	17.72	0.007962
Sb2068_A		-0.8732	ug/L	1.382	158.3	1.045
Se1960_A		-3.299	ug/L	1.061	32.16	-1.205
Si2516_R		29.93	ug/L	4.816	16.09	8.125
Sn1899_A		-0.5741	ug/L	0.6300	109.7	0.1213
Sr4215_R		-0.0003348	ug/L	0.2108	62,950	-37.77
Ti3349_A		-0.2822	ug/L	0.04577	16.22	-19.98
Tl1908_A		-2.859	ug/L	0.6921	24.21	-0.9760
V_2924_A		-0.5113	ug/L	0.09271	18.13	-5.998
Zn2062_A		3.294	ug/L	0.07977	2.422	10.95
Y_3600_R		8,454.4	Cts/S	17.794	0.21047	8,454.4
Y_2243_A		6,569.4	Cts/S	65.313	0.99420	6,569.4
Y_3600_A		199,410	Cts/S	518.40	0.25996	199,410

CCV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:49:33PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		495.1	ug/L	1.419	0.2866	9,551
Al3961_R		12,360	ug/L	45.25	0.3661	4,105
As1891_A		493.4	ug/L	2.119	0.4294	122.1
Au2427_A		489.6	ug/L	3.274	0.6688	1,561
B_2089_A		494.3	ug/L	1.141	0.2308	437.8
Ba4554_R		495.5	ug/L	2.107	0.4253	11,680
Be3130_R		492.7	ug/L	1.050	0.2131	18,500
Ca3158_R		11,980	ug/L	35.89	0.2996	6,354
Cd2265_A		499.4	ug/L	1.666	0.3337	6,367
Co2286_A		505.4	ug/L	1.496	0.2961	1,612
Cr2677_A		498.1	ug/L	0.2812	0.05644	6,587
Cu3273_A		498.7	ug/L	1.217	0.2441	6,526
Fe2599_R		12,170	ug/L	25.18	0.2068	7,530
K_7664_R		12,350	ug/L	1.259	0.01020	5,594
Li6707_R		484.5	ug/L	2.828	0.5837	3,408
Mg2025_A		12,780	ug/L	3.930	0.03075	2,432
Mn2576_R		482.4	ug/L	1.029	0.2132	1,593
Mo2020_A		494.8	ug/L	3.773	0.7626	895.7
Na5895_R		12,110	ug/L	8.478	0.07001	12,820
Ni2316_A		501.9	ug/L	2.647	0.5274	862.3
Pb2203_A		506.1	ug/L	0.4632	0.09152	480.8
Sb2068_A		497.9	ug/L	1.734	0.3483	148.7
Se1960_A		491.4	ug/L	7.501	1.527	78.97
Si2516_R		12,020	ug/L	30.12	0.2506	1,960
Sn1899_A		499.8	ug/L	0.3655	0.07314	225.7
Sr4215_R		484.2	ug/L	0.3858	0.07968	15,170
Ti3349_A		488.0	ug/L	1.967	0.4030	11,750
Tl1908_A		509.8	ug/L	1.118	0.2194	217.7
V_2924_A		490.9	ug/L	2.063	0.4202	5,873
Zn2062_A		500.9	ug/L	1.688	0.3369	1,400
Y_3600_R		8,513.3	Cts/S	29.067	0.34143	8,513.3
Y_2243_A		6,448.9	Cts/S	6.2039	0.096202	6,448.9
Y_3600_A		190,510	Cts/S	241.14	0.12658	190,510

CCB

Method Name: K6010-2011 Method Revision: 851

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:53:54PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.05862	ug/L	0.1978	337.5	-17.94
Al3961_R		52.00	ug/L	23.62	45.42	-3.554
As1891_A		1.839	ug/L	0.6502	35.36	-0.8111
Au2427_A		0.1704	ug/L	0.4974	291.9	0.7483
B_2089_A		-4.126	ug/L	0.1391	3.372	3.596
Ba4554_R		0.3450	ug/L	0.5601	162.3	-7.949
Be3130_R		0.1609	ug/L	0.05366	33.34	-3.784
Ca3158_R		8.496	ug/L	1.267	14.91	-3.045
Cd2265_A		0.04169	ug/L	0.02993	71.78	0.4782
Co2286_A		0.06579	ug/L	0.09503	144.4	8.451
Cr2677_A		0.4368	ug/L	0.2091	47.86	11.55
Cu3273_A		0.5559	ug/L	0.4577	82.34	9.607
Fe2599_R		4.130	ug/L	3.320	80.40	5.869
K_7664_R		-36.24	ug/L	54.81	151.3	-64.27
Li6707_R		0.5455	ug/L	0.2588	47.45	11.76
Mg2025_A		4.184	ug/L	0.1235	2.951	-0.1166
Mn2576_R		0.3187	ug/L	2.156	676.5	-0.3125
Mo2020_A		-1.178	ug/L	0.4205	35.70	4.088
Na5895_R		10.95	ug/L	2.464	22.51	-95.43
Ni2316_A		-0.3753	ug/L	0.6111	162.8	-1.041
Pb2203_A		-0.7405	ug/L	1.058	142.9	-1.219
Sb2068_A		0.7487	ug/L	0.9702	129.6	1.521
Se1960_A		1.435	ug/L	1.417	98.78	-0.4186
Si2516_R		-0.6347	ug/L	11.70	1,843	3.156
Sn1899_A		-0.1515	ug/L	0.1592	105.1	0.3137
Sr4215_R		0.3058	ug/L	0.04143	13.55	-27.86
Ti3349_A		0.3641	ug/L	0.1612	44.28	-3.607
Tl1908_A		-1.270	ug/L	1.026	80.75	-0.2830
V_2924_A		-0.7004	ug/L	0.2311	32.99	-8.388
Zn2062_A		-0.02019	ug/L	0.05811	287.7	1.503
Y_3600_R		8,346.8	Cts/S	86.082	1.0313	8,346.8
Y_2243_A		6,505.4	Cts/S	0.011126	0.00017102	6,505.4
Y_3600_A		196,120	Cts/S	565.72	0.28846	196,120

LCSWGG25ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:58:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		52.15	ug/L	0.1656	0.3176	985.8
Al3961_R		2,062	ug/L	2.958	0.1434	654.0
As1891_A		98.98	ug/L	0.3520	0.3556	23.56
Au2427_A		-0.5757	ug/L	0.1742	30.27	-3.335
B_2089_A		505.9	ug/L	2.037	0.4026	440.2
Ba4554_R		2,060	ug/L	9.814	0.4765	47,390
Be3130_R		51.80	ug/L	0.04272	0.08246	1,884
Ca3158_R		2,533	ug/L	5.311	0.2097	1,304
Cd2265_A		251.5	ug/L	0.5102	0.2028	3,194
Co2286_A		530.3	ug/L	2.139	0.4034	1,686
Cr2677_A		207.4	ug/L	0.1510	0.07283	2,743
Cu3273_A		262.6	ug/L	1.146	0.4363	3,426
Fe2599_R		1,022	ug/L	3.081	0.3014	619.6
K_7664_R		10,150	ug/L	10.81	0.1064	4,475
Li6707_R		504.7	ug/L	3.318	0.6575	3,461
Mg2025_A		5,252	ug/L	28.73	0.5470	1,009
Mn2576_R		510.4	ug/L	1.006	0.1972	1,644
Mo2020_A		302.7	ug/L	0.1123	0.03709	548.8

LCSWGG25ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 4:58:26PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,486	ug/L	5.876	0.07849	7,689
Ni2316_A		527.2	ug/L	0.7215	0.1369	903.4
Pb2203_A		105.0	ug/L	0.9070	0.8639	98.93
Sb2068_A		101.4	ug/L	0.8951	0.8828	30.11
Se1960_A		98.74	ug/L	1.459	1.478	15.36
Si2516_R		4,802	ug/L	26.88	0.5598	766.0
Sn1899_A		514.0	ug/L	2.612	0.5083	231.4
Sr4215_R		503.7	ug/L	1.335	0.2650	15,390
Ti3349_A		506.4	ug/L	1.928	0.3807	12,180
Tl1908_A		99.76	ug/L	0.06065	0.06080	42.41
V_2924_A		510.5	ug/L	1.746	0.3421	6,138
Zn2062_A		520.7	ug/L	1.949	0.3743	1,452
Y_3600_R		8,301.7	Cts/S	43.136	0.51960	8,301.7
Y_2243_A		6,431.1	Cts/S	23.758	0.36942	6,431.1
Y_3600_A		190,310	Cts/S	527.17	0.27701	190,310

SG5256-001T

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:02:52PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.03415	ug/L	0.2395	701.3	-26.70
Al3961_R	W	26,890	ug/L	131.6	0.4893	8,869
As1891_A		5.361	ug/L	1.027	19.15	-0.02500
Au2427_A		-1.490	ug/L	0.3354	22.51	-26.34
B_2089_A	W	2,470	ug/L	12.79	0.5177	2,030
Ba4554_R		114.7	ug/L	0.2951	0.2574	2,669
Be3130_R		0.4940	ug/L	0.02336	4.728	9.050
Ca3158_R	W	234,100	ug/L	905.4	0.3867	123,400
Cd2265_A		0.1235	ug/L	0.1022	82.75	3.114
Co2286_A		9.232	ug/L	0.01773	0.1920	36.59
Cr2677_A		19.61	ug/L	0.2230	1.137	265.6
Cu3273_A		4.933	ug/L	0.3924	7.955	68.62
Fe2599_R		2,281	ug/L	9.930	0.4353	1,403
K_7664_R		3,699	ug/L	44.94	1.215	1,628
Li6707_R		8.448	ug/L	3.432	40.62	66.98
Mg2025_A	W	36,980	ug/L	275.8	0.7458	6,802
Mn2576_R	W	5,531	ug/L	0.8685	0.01570	18,140
Mo2020_A		51.73	ug/L	0.5141	0.9939	96.69
Na5895_R		5,096	ug/L	36.68	0.7198	5,291
Ni2316_A		60.60	ug/L	0.8716	1.438	101.1
Pb2203_A		76.82	ug/L	0.9728	1.266	67.89
Sb2068_A		17.65	ug/L	0.1125	0.6374	6.366
Se1960_A		3.046	ug/L	3.068	100.7	0.4212
Si2516_R		13,170	ug/L	9.407	0.07141	2,131
Sn1899_A		1.954	ug/L	1.161	59.42	1.230
Sr4215_R		212.3	ug/L	0.3460	0.1629	6,579
Ti3349_A		6.845	ug/L	0.3047	4.451	149.3
Tl1908_A		-2.183	ug/L	0.8169	37.43	-4.521
V_2924_A		41.73	ug/L	0.1230	0.2947	324.1
Zn2062_A	W	6,370	ug/L	30.02	0.4712	17,360
Y_3600_R		8,446.4	Cts/S	37.268	0.44123	8,446.4
Y_2243_A		6,287.2	Cts/S	29.354	0.46689	6,287.2
Y_3600_A		185,550	Cts/S	13.685	0.0073752	185,550

SG5282-001

Method Name: K6010-2011 Method Revision: 851

SG5282-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:07:18PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-3.414	ug/L	4.961	145.3	-23.96
Al3961_R		2,478	ug/L	83.36	3.365	59.37
As1891_A		19.09	ug/L	22.21	116.3	-0.7412
Au2427_A		-14.08	ug/L	2.162	15.36	-4.305
B_2089_A		591.4	ug/L	4.381	0.7408	52.80
Ba4554_R		3,516	ug/L	19.83	0.5639	7,987
Be3130_R		0.2206	ug/L	0.3959	179.5	-8.721
Ca3158_R	W	2,138,000	ug/L	7,860	0.3677	109,500
Cd2265_A		-0.4651	ug/L	0.5043	108.4	-0.4519
Co2286_A		5.320	ug/L	3.004	56.46	9.187
Cr2677_A		10.56	ug/L	3.950	37.40	17.96
Cu3273_A		35.35	ug/L	0.7051	1.995	44.50
Fe2599_R		2,236	ug/L	45.01	2.013	136.6
K_7664_R	W	1,259,000	ug/L	5,995	0.4761	55,450
Li6707_R		206.9	ug/L	9.541	4.611	147.9
Mg2025_A		24,580	ug/L	42.60	0.1734	431.2
Mn2576_R		1,028	ug/L	10.00	0.9730	326.3
Mo2020_A		-11.74	ug/L	1.129	9.618	3.783
Na5895_R	F	2,063,000	ug/L	10,610	0.5146	212,300
Ni2316_A		11.97	ug/L	1.041	8.701	1.544
Pb2203_A		-8.210	ug/L	2.422	29.51	-1.216
Sb2068_A		-17.07	ug/L	1.549	9.070	0.7298
Se1960_A		28.34	ug/L	18.42	65.00	-0.1637
Si2516_R		4,657	ug/L	181.1	3.889	76.30
Sn1899_A		-1.215	ug/L	13.37	1,100	0.3012
Sr4215_R	W	15,480	ug/L	52.99	0.3423	46,850
Ti3349_A		-0.5267	ug/L	10.25	1,945	-12.36
Tl1908_A		-18.93	ug/L	5.484	28.96	-0.5785
V_2924_A		3.339	ug/L	7.152	214.2	1.174
Zn2062_A		40.59	ug/L	2.512	6.188	12.01
Y_3600_R		8,210.8	Cts/S	6.4946	0.079098	8,210.8
Y_2243_A		6,009.4	Cts/S	23.876	0.39731	6,009.4
Y_3600_A		175,030	Cts/S	1,127.6	0.64426	175,030

SG5299-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:11:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		5.488	ug/L	0.03000	0.5467	48.09
Al3961_R		2,279	ug/L	183.2	8.038	726.5
As1891_A		0.9932	ug/L	0.5378	54.15	-1.173
Au2427_A		-0.6884	ug/L	0.005738	0.8336	-3.781
B_2089_A		284.8	ug/L	0.6994	0.2456	235.9
Ba4554_R		44.54	ug/L	2.954	6.632	1,015
Be3130_R		0.06947	ug/L	0.1969	283.4	-7.431
Ca3158_R		1,690	ug/L	107.3	6.349	873.1
Cd2265_A		59.27	ug/L	0.2091	0.3528	714.8
Co2286_A		226.8	ug/L	0.8618	0.3799	682.2
Cr2677_A		163.8	ug/L	1.769	1.080	2,044
Cu3273_A	F	20,480	ug/L	108.6	0.5302	252,800
Fe2599_R		8,903	ug/L	703.4	7.901	5,401
K_7664_R	W	110,700	ug/L	7,027	6.348	49,580
Li6707_R		105.4	ug/L	6.886	6.531	733.7
Mg2025_A	F	-251.1	ug/L	5.186	2.065	-36.80
Mn2576_R	W	1,413	ug/L	102.5	7.251	4,580
Mo2020_A		157.7	ug/L	0.9496	0.6022	272.1

SG5299-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:11:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	51,930	ug/L	2,999	5.775	54,300
Ni2316_A		205.4	ug/L	0.9536	0.4643	330.9
Pb2203_A		584.1	ug/L	1.916	0.3280	520.4
Sb2068_A		26.52	ug/L	0.5284	1.992	5.079
Se1960_A		5.712	ug/L	3.800	66.52	0.4161
Si2516_R		830.8	ug/L	45.69	5.499	136.0
Sn1899_A	W	1,435	ug/L	2.930	0.2042	607.8
Sr4215_R		6.427	ug/L	0.3902	6.071	160.7
Ti3349_A		8.508	ug/L	0.2465	2.897	183.6
Tl1908_A		0.4434	ug/L	0.8989	202.7	-1.645
V_2924_A		6.014	ug/L	0.003454	0.05744	6.740
Zn2062_A	W	3,304	ug/L	7.778	0.2354	8,673
Y_3600_R		8,363.4	Cts/S	375.72	4.4925	8,363.4
Y_2243_A		6,057.0	Cts/S	10.879	0.17961	6,057.0
Y_3600_A		179,360	Cts/S	1,650.7	0.92031	179,360

SG5300-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:16:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4893	ug/L	11.47	2,343	-19.07
Al3961_R		703.3	ug/L	110.8	15.75	-11.30
As1891_A		-21.49	ug/L	37.92	176.5	-1.482
Au2427_A		-27.01	ug/L	7.237	26.79	-3.248
B_2089_A		-32.27	ug/L	10.34	32.06	5.917
Ba4554_R		10.96	ug/L	5.123	46.74	-5.641
Be3130_R		2.703	ug/L	4.799	177.5	-5.676
Ca3158_R		1,030	ug/L	52.58	5.107	13.85
Cd2265_A		-0.3202	ug/L	1.814	566.5	-0.2442
Co2286_A		4.678	ug/L	5.787	123.7	8.782
Cr2677_A		-0.4604	ug/L	10.04	2,181	5.246
Cu3273_A		133.9	ug/L	34.03	25.42	72.87
Fe2599_R		106.5	ug/L	154.1	144.7	5.898
K_7664_R	W	944,000	ug/L	3,849	0.4077	16,710
Li6707_R		-16.31	ug/L	19.91	122.1	3.467
Mg2025_A		53.18	ug/L	16.42	30.87	-0.5061
Mn2576_R		43.28	ug/L	16.78	38.77	4.177
Mo2020_A		-56.12	ug/L	3.587	6.391	2.136
Na5895_R		179,300	ug/L	844.1	0.4707	7,332
Ni2316_A		558.5	ug/L	9.645	1.727	38.04
Pb2203_A		7,645	ug/L	46.38	0.6067	291.8
Sb2068_A		-63.38	ug/L	19.17	30.25	-12.69
Se1960_A		-40.34	ug/L	18.39	45.59	-0.9097
Si2516_R		197.3	ug/L	96.93	49.14	4.458
Sn1899_A	W	114,000	ug/L	101.3	0.08884	2,059
Sr4215_R		3.693	ug/L	7.376	199.8	-32.45
Ti3349_A		-6.322	ug/L	2.945	46.58	-18.52
Tl1908_A		-23.23	ug/L	15.13	65.13	-0.1360
V_2924_A		-4.222	ug/L	3.180	75.34	-1.622
Zn2062_A		132.8	ug/L	8.167	6.152	16.41
Y_3600_R		8,266.0	Cts/S	81.793	0.98951	8,266.0
Y_2243_A		6,456.0	Cts/S	5.2671	0.081585	6,456.0
Y_3600_A		191,990	Cts/S	508.61	0.26492	191,990

SG5300-002

Method Name: K6010-2011 Method Revision: 851

SG5300-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:20:47PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-17.43	ug/L	27.64	158.6	-22.56
Al3961_R		3,342	ug/L	3,387	101.3	-9.744
As1891_A		-130.5	ug/L	37.12	28.44	-1.616
Au2427_A		-96.89	ug/L	71.38	73.67	-2.935
B_2089_A		1,274	ug/L	0.6697	0.05255	17.94
Ba4554_R		37.62	ug/L	37.71	100.2	-7.202
Be3130_R		5.985	ug/L	9.157	153.0	-7.531
Ca3158_R		4,160	ug/L	635.3	15.27	14.30
Cd2265_A		-1.352	ug/L	7.031	520.2	-0.2409
Co2286_A		22.05	ug/L	24.74	112.2	8.998
Cr2677_A		32.01	ug/L	4.236	13.23	9.964
Cu3273_A		64.24	ug/L	0.2510	0.3907	10.80
Fe2599_R		-21.87	ug/L	419.7	1,919	3.250
K_7664_R		564,600	ug/L	60.91	0.01079	2,499
Li6707_R		78.71	ug/L	159.5	202.7	13.51
Mg2025_A		262.8	ug/L	217.4	82.73	-0.4186
Mn2576_R		137.5	ug/L	72.01	52.37	3.094
Mo2020_A		-278.9	ug/L	8.893	3.188	1.172
Na5895_R		163,800	ug/L	1,308	0.7985	1,620
Ni2316_A		485.8	ug/L	31.29	6.441	8.076
Pb2203_A	W	614,800	ug/L	427.2	0.06949	5,957
Sb2068_A		-162.9	ug/L	39.56	24.28	-1.515
Se1960_A		-313.9	ug/L	152.5	48.56	-1.173
Si2516_R		-224.2	ug/L	966.9	431.2	2.906
Sn1899_A		79,260	ug/L	154.4	0.1948	363.0
Sr4215_R		34.60	ug/L	34.89	100.8	-26.80
Ti3349_A		-22.16	ug/L	8.086	36.48	-18.14
Tl1908_A		-155.9	ug/L	119.8	76.83	-0.4099
V_2924_A		-50.80	ug/L	16.75	32.97	-5.845
Zn2062_A		125.5	ug/L	12.38	9.861	5.130
Y_3600_R		8,408.1	Cts/S	22.105	0.26290	8,408.1
Y_2243_A		6,545.3	Cts/S	11.992	0.18322	6,545.3
Y_3600_A		196,050	Cts/S	641.83	0.32738	196,050

SG5301-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:25:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		576.7	ug/L	51.15	8.870	94.74
Al3961_R		3,078	ug/L	562.8	18.29	-10.59
As1891_A	F	-1,902	ug/L	192.6	10.13	-6.065
Au2427_A		-1,149	ug/L	1,362	118.5	-590.0
B_2089_A		-657.7	ug/L	9.408	1.431	1.356
Ba4554_R		157.0	ug/L	13.98	8.906	20.47
Be3130_R		12.73	ug/L	9.298	73.03	-1.474
Ca3158_R		1,312	ug/L	297.4	22.68	-0.6420
Cd2265_A		3.343	ug/L	8.769	262.3	0.3222
Co2286_A		384.2	ug/L	6.886	1.792	20.44
Cr2677_A		2,253	ug/L	151.8	6.735	497.7
Cu3273_A		420.0	ug/L	72.45	17.25	58.74
Fe2599_R		-5,124	ug/L	443.6	8.658	-27.71
K_7664_R		7,625	ug/L	1,566	20.54	-14.03
Li6707_R		102.5	ug/L	184.3	179.7	15.02
Mg2025_A		1,566	ug/L	370.8	23.68	2.177
Mn2576_R	F	12,890,000	ug/L	502,900	3.900	417,800
Mo2020_A		-619.2	ug/L	10.35	1.672	-5.076

SG5301-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:25:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		4,895	ug/L	698.5	14.27	-55.68
Ni2316_A		599.1	ug/L	12.40	2.070	9.960
Pb2203_A		1,911	ug/L	12.03	0.6294	17.86
Sb2068_A		-417.9	ug/L	144.0	34.45	0.04708
Se1960_A		153.7	ug/L	300.7	195.6	15.74
Si2516_R		5,904	ug/L	642.2	10.88	12.66
Sn1899_A		1,215	ug/L	27.07	2.228	5.894
Sr4215_R		13.83	ug/L	22.85	165.2	-33.03
Ti3349_A		-19.35	ug/L	34.21	176.8	-17.07
Tl1908_A	F	-3,989	ug/L	770.4	19.31	-111.2
V_2924_A		24,700	ug/L	1,285	5.203	-938.5
Zn2062_A		1,476	ug/L	8.708	0.5899	43.00
Y_3600_R		8,345.8	Cts/S	63.836	0.76489	8,345.8
Y_2243_A		6,489.4	Cts/S	8.2750	0.12752	6,489.4
Y_3600_A		192,600	Cts/S	1,894.7	0.98377	192,600

SG5301-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:29:56PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		990.8	ug/L	13.35	1.347	172.9
Al3961_R		2,219	ug/L	408.6	18.41	-13.71
As1891_A	F	-3,170	ug/L	190.2	6.000	-9.248
Au2427_A		-3,105	ug/L	2,582	83.16	-968.1
B_2089_A		-882.8	ug/L	18.45	2.090	-0.5995
Ba4554_R		239.2	ug/L	48.48	20.26	40.72
Be3130_R		5.085	ug/L	2.141	42.12	-2.491
Ca3158_R		5,904	ug/L	831.4	14.08	23.68
Cd2265_A		3.887	ug/L	4.366	112.3	0.3578
Co2286_A		774.6	ug/L	0.3180	0.04106	32.82
Cr2677_A		3,457	ug/L	231.4	6.694	753.2
Cu3273_A		558.6	ug/L	23.67	4.238	76.21
Fe2599_R		-8,977	ug/L	479.2	5.338	-52.16
K_7664_R		4,867	ug/L	1,275	26.20	-27.13
Li6707_R		-142.1	ug/L	98.16	69.07	-1.989
Mg2025_A		1,721	ug/L	373.2	21.69	2.606
Mn2576_R	F	20,280,000	ug/L	914,200	4.509	671,600
Mo2020_A		-789.1	ug/L	1.678	0.2127	-8.183
Na5895_R		4,984	ug/L	205.2	4.118	-56.05
Ni2316_A		981.7	ug/L	7.517	0.7657	16.55
Pb2203_A		2,712	ug/L	31.59	1.165	25.51
Sb2068_A		-589.3	ug/L	132.4	22.46	-0.4093
Se1960_A		812.5	ug/L	866.4	106.6	26.02
Si2516_R		10,260	ug/L	2,417	23.55	19.97
Sn1899_A		17.43	ug/L	58.61	336.3	0.4600
Sr4215_R		37.57	ug/L	14.65	39.00	-26.17
Ti3349_A		8.697	ug/L	55.92	643.0	-9.971
Tl1908_A	F	-7,181	ug/L	1,054	14.68	-178.6
V_2924_A		37,570	ug/L	2,480	6.602	-1,600
Zn2062_A		2,584	ug/L	5.610	0.2171	74.00
Y_3600_R		8,540.8	Cts/S	456.97	5.3505	8,540.8
Y_2243_A		6,480.8	Cts/S	5.0120	0.077337	6,480.8
Y_3600_A		188,900	Cts/S	2,515.1	1.3315	188,900

SG5301-003

Method Name: K6010-2011 Method Revision: 851

SG5301-003

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:34:31PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		654.5	ug/L	36.06	5.510	109.6
Al3961_R		3,846	ug/L	2,229	57.94	-7.952
As1891_A	F	-1,966	ug/L	121.6	6.183	-6.223
Au2427_A		-1,719	ug/L	333.1	19.38	-661.1
B_2089_A		-697.1	ug/L	95.11	13.64	1.008
Ba4554_R		39.00	ug/L	50.45	129.4	-6.787
Be3130_R		-2.262	ug/L	5.650	249.8	-6.372
Ca3158_R		4,453	ug/L	824.5	18.51	15.31
Cd2265_A		3.143	ug/L	6.803	216.5	0.2824
Co2286_A		151.7	ug/L	8.739	5.761	13.03
Cr2677_A		1,910	ug/L	9.881	0.5172	468.1
Cu3273_A		404.4	ug/L	122.3	30.26	56.52
Fe2599_R		-7,321	ug/L	180.5	2.465	-39.81
K_7664_R		4,447	ug/L	822.7	18.50	-27.37
Li6707_R		183.8	ug/L	8.836	4.806	20.07
Mg2025_A		1,825	ug/L	230.7	12.64	2.577
Mn2576_R	F	14,140,000	ug/L	71,990	0.5091	444,800
Mo2020_A		-665.5	ug/L	3.499	0.5258	-5.921
Na5895_R		5,245	ug/L	55.43	1.057	-50.48
Ni2316_A		448.8	ug/L	0.9748	0.2172	7.358
Pb2203_A		1,785	ug/L	104.5	5.852	16.63
Sb2068_A		-436.0	ug/L	36.63	8.400	0.008064
Se1960_A		-411.6	ug/L	186.4	45.29	16.36
Si2516_R		6,745	ug/L	137.8	2.044	13.59
Sn1899_A		131.0	ug/L	30.48	23.27	0.9749
Sr4215_R		32.77	ug/L	3.814	11.64	-26.40
Ti3349_A		14.51	ug/L	27.44	189.0	-8.836
Tl1908_A	F	-3,310	ug/L	129.0	3.897	-117.3
V_2924_A		27,530	ug/L	230.0	0.8354	-968.2
Zn2062_A		635.1	ug/L	1.990	0.3133	19.34
Y_3600_R		8,103.5	Cts/S	206.27	2.5455	8,103.5
Y_2243_A		6,484.4	Cts/S	25.030	0.38600	6,484.4
Y_3600_A		191,630	Cts/S	338.54	0.17667	191,630

SG5301-004

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:39:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		430.9	ug/L	31.80	7.381	65.66
Al3961_R		4,793	ug/L	875.5	18.27	-4.891
As1891_A	F	-1,365	ug/L	87.41	6.403	-4.704
Au2427_A		-1,472	ug/L	504.7	34.29	-451.7
B_2089_A		-660.5	ug/L	38.99	5.903	1.360
Ba4554_R		108.4	ug/L	32.49	29.98	9.035
Be3130_R		-1.451	ug/L	12.52	863.0	-7.373
Ca3158_R		3,375	ug/L	238.3	7.061	9.923
Cd2265_A		-3.698	ug/L	2.519	68.13	-0.5673
Co2286_A		360.7	ug/L	11.52	3.194	19.66
Cr2677_A		1,336	ug/L	42.42	3.176	322.2
Cu3273_A		247.4	ug/L	8.731	3.529	35.45
Fe2599_R		-3,887	ug/L	46.21	1.189	-19.86
K_7664_R		4,512	ug/L	589.4	13.06	-27.46
Li6707_R		-141.6	ug/L	430.4	303.9	-1.629
Mg2025_A		959.8	ug/L	20.45	2.131	1.021
Mn2576_R	F	9,453,000	ug/L	33,470	0.3540	301,100
Mo2020_A		-524.0	ug/L	20.72	3.955	-3.331

SG5301-004

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:39:09PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		2,283	ug/L	236.6	10.37	-81.57
Ni2316_A		334.8	ug/L	11.90	3.554	5.382
Pb2203_A		1,134	ug/L	27.05	2.386	10.37
Sb2068_A		-285.1	ug/L	214.7	75.32	0.4552
Se1960_A		-396.4	ug/L	143.1	36.09	10.51
Si2516_R		3,876	ug/L	1,680	43.35	9.259
Sn1899_A		31.48	ug/L	38.41	122.0	0.5236
Sr4215_R		1.387	ug/L	0.8136	58.66	-36.21
Ti3349_A		8.047	ug/L	9.843	122.3	-10.38
Tl1908_A	F	-1,954	ug/L	18.82	0.9632	-77.11
V_2924_A		18,960	ug/L	124.9	0.6588	-579.1
Zn2062_A		1,340	ug/L	28.15	2.101	39.12
Y_3600_R		8,203.3	Cts/S	39.035	0.47584	8,203.3
Y_2243_A		6,477.0	Cts/S	14.127	0.21811	6,477.0
Y_3600_A		191,420	Cts/S	839.03	0.43831	191,420

CCV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:43:39PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		507.4	ug/L	1.300	0.2562	9,709
Al3961_R		13,020	ug/L	175.8	1.351	4,051
As1891_A		497.5	ug/L	0.08532	0.01715	121.9
Au2427_A		496.8	ug/L	5.211	1.049	1,569
B_2089_A		499.8	ug/L	3.759	0.7521	438.3
Ba4554_R		515.1	ug/L	4.360	0.8463	11,380
Be3130_R		514.0	ug/L	6.934	1.349	18,090
Ca3158_R		12,620	ug/L	132.1	1.047	6,271
Cd2265_A		506.8	ug/L	5.071	1.001	6,399
Co2286_A		509.1	ug/L	5.427	1.066	1,607
Cr2677_A		500.7	ug/L	0.6860	0.1370	6,568
Cu3273_A		502.2	ug/L	0.2166	0.04314	6,520
Fe2599_R		12,780	ug/L	192.6	1.507	7,406
K_7664_R		13,010	ug/L	74.66	0.5740	5,524
Li6707_R		516.0	ug/L	4.973	0.9638	3,400
Mg2025_A		12,960	ug/L	152.1	1.173	2,442
Mn2576_R		516.1	ug/L	6.169	1.195	1,597
Mo2020_A		499.0	ug/L	2.393	0.4796	894.6
Na5895_R		12,830	ug/L	95.64	0.7457	12,730
Ni2316_A		512.8	ug/L	5.677	1.107	872.4
Pb2203_A		514.1	ug/L	3.422	0.6656	483.6
Sb2068_A		499.8	ug/L	0.6714	0.1343	147.8
Se1960_A		498.3	ug/L	1.691	0.3394	79.31
Si2516_R		12,640	ug/L	119.9	0.9487	1,932
Sn1899_A		507.7	ug/L	3.507	0.6906	227.0
Sr4215_R		511.4	ug/L	5.467	1.069	15,010
Ti3349_A		498.4	ug/L	0.6430	0.1290	11,910
Tl1908_A		513.5	ug/L	4.563	0.8886	217.1
V_2924_A		506.3	ug/L	3.779	0.7465	6,011
Zn2062_A		504.7	ug/L	4.886	0.9680	1,397
Y_3600_R		7,977.0	Cts/S	61.977	0.77695	7,977.0
Y_2243_A		6,386.3	Cts/S	59.540	0.93231	6,386.3
Y_3600_A		189,020	Cts/S	942.03	0.49839	189,020

CCB

Method Name: K6010-2011 Method Revision: 851

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:48:01PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.2548	ug/L	0.1792	70.32	-13.77
Al3961_R		41.77	ug/L	22.44	53.73	-6.750
As1891_A		0.6847	ug/L	2.305	336.6	-1.101
Au2427_A		0.1537	ug/L	0.2473	160.9	0.6863
B_2089_A		-4.510	ug/L	0.09511	2.109	3.262
Ba4554_R		0.1518	ug/L	0.1742	114.8	-12.07
Be3130_R		0.09967	ug/L	0.04109	41.23	-5.906
Ca3158_R		5.797	ug/L	0.08142	1.405	-4.352
Cd2265_A		0.07850	ug/L	0.01644	20.94	0.9461
Co2286_A		0.06258	ug/L	0.1040	166.1	8.427
Cr2677_A		0.1603	ug/L	0.1273	79.41	7.675
Cu3273_A		0.4412	ug/L	0.2772	62.83	7.942
Fe2599_R		-0.2241	ug/L	4.057	1,810	3.165
K_7664_R		51.62	ug/L	18.09	35.04	-24.46
Li6707_R		1.114	ug/L	2.318	208.1	15.26
Mg2025_A		3.914	ug/L	0.2121	5.420	-0.1687
Mn2576_R		1.539	ug/L	0.1127	7.322	3.531
Mo2020_A		-1.291	ug/L	0.3568	27.63	3.876
Na5895_R		13.65	ug/L	3.526	25.83	-90.62
Ni2316_A		-0.4303	ug/L	0.1203	27.96	-1.135
Pb2203_A		0.4828	ug/L	1.294	268.1	-0.03921
Sb2068_A		-1.064	ug/L	1.099	103.3	0.9767
Se1960_A		1.292	ug/L	5.293	409.7	-0.4411
Si2516_R		2.196	ug/L	10.78	490.6	3.531
Sn1899_A		-0.09276	ug/L	0.5371	579.0	0.3399
Sr4215_R		0.03508	ug/L	0.1891	538.9	-35.39
Ti3349_A		0.2850	ug/L	0.3098	108.7	-5.472
Tl1908_A		-0.9401	ug/L	1.476	157.0	-0.1414
V_2924_A		-0.4952	ug/L	0.1288	26.00	-5.748
Zn2062_A		0.09880	ug/L	0.1397	141.4	1.837
Y_3600_R		8,169.1	Cts/S	92.828	1.1363	8,169.1
Y_2243_A		6,495.6	Cts/S	0.50316	0.0077462	6,495.6
Y_3600_A		193,070	Cts/S	280.20	0.14513	193,070

SG5301-005

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:52:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1,100	ug/L	70.85	6.442	191.7
Al3961_R		4,720	ug/L	1,873	39.68	-5.153
As1891_A	F	-2,878	ug/L	168.0	5.837	-8.382
Au2427_A		-7,609	ug/L	725.1	9.529	-1,145
B_2089_A		-831.2	ug/L	12.00	1.444	-0.1663
Ba4554_R		647.1	ug/L	41.91	6.477	130.7
Be3130_R		6.168	ug/L	13.05	211.5	-1.557
Ca3158_R		2,011	ug/L	772.7	38.43	2.912
Cd2265_A		6.076	ug/L	8.468	139.4	0.6697
Co2286_A		362.0	ug/L	28.00	7.734	19.38
Cr2677_A		5,275	ug/L	12.48	0.2366	998.1
Cu3273_A		1,057	ug/L	29.89	2.828	139.6
Fe2599_R		-3,853	ug/L	188.0	4.880	-19.52
K_7664_R		-1,782	ug/L	3,975	223.0	-54.76
Li6707_R		117.3	ug/L	104.7	89.23	15.72
Mg2025_A		1,495	ug/L	161.0	10.77	1.989
Mn2576_R	F	21,470,000	ug/L	58,510	0.2725	679,000
Mo2020_A		-803.3	ug/L	36.40	4.532	-8.310

SG5301-005

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:52:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		1,581	ug/L	74.26	4.698	-88.18
Ni2316_A		901.1	ug/L	4.313	0.4787	14.92
Pb2203_A		2,797	ug/L	124.6	4.455	25.90
Sb2068_A		-722.4	ug/L	112.5	15.58	-0.7361
Se1960_A		2.735	ug/L	181.1	6,622	25.78
Si2516_R		11,590	ug/L	1,154	9.951	21.22
Sn1899_A		38.29	ug/L	24.26	63.36	0.5461
Sr4215_R		42.28	ug/L	19.18	45.37	-23.68
Ti3349_A		-15.88	ug/L	23.83	150.1	-15.72
Tl1908_A	F	-7,274	ug/L	527.7	7.255	-184.7
V_2924_A		40,610	ug/L	326.3	0.8034	-1,577
Zn2062_A		2,580	ug/L	34.42	1.334	72.67
Y_3600_R		8,146.7	Cts/S	40.040	0.49148	8,146.7
Y_2243_A		6,378.2	Cts/S	35.444	0.55570	6,378.2
Y_3600_A		186,910	Cts/S	740.05	0.39594	186,910

RINSE

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 5:57:08PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.06458	ug/L	0.2985	462.2	-20.09
Al3961_R		49.07	ug/L	0.5565	1.134	-4.449
As1891_A		0.3569	ug/L	2.275	637.5	-1.181
Au2427_A		0.1500	ug/L	0.7810	520.7	0.6482
B_2089_A		-4.897	ug/L	0.1693	3.456	2.881
Ba4554_R		-0.2649	ug/L	0.2780	104.9	-21.38
Be3130_R		0.1420	ug/L	0.03797	26.73	-4.327
Ca3158_R		4.013	ug/L	8.951	223.1	-5.224
Cd2265_A		-0.09048	ug/L	0.05722	63.24	-1.216
Co2286_A		0.1323	ug/L	0.1764	133.3	8.631
Cr2677_A		-0.01391	ug/L	0.1721	1,237	5.353
Cu3273_A		0.7192	ug/L	0.1485	20.64	11.66
Fe2599_R		2.381	ug/L	6.244	262.2	4.665
K_7664_R		12.21	ug/L	17.49	143.2	-41.50
Li6707_R		-2.135	ug/L	1.870	87.60	-6.483
Mg2025_A		1.812	ug/L	0.2872	15.86	-0.5727
Mn2576_R		9.206	ug/L	1.751	19.01	27.66
Mo2020_A		-2.808	ug/L	0.4485	15.97	1.129
Na5895_R		8.158	ug/L	14.26	174.8	-95.61
Ni2316_A		-0.08271	ug/L	0.1724	208.4	-0.5351
Pb2203_A		-0.2706	ug/L	0.8802	325.3	-0.7592
Sb2068_A		0.5504	ug/L	2.075	376.9	1.458
Se1960_A		-1.173	ug/L	2.726	232.4	-0.8422
Si2516_R		2.026	ug/L	20.80	1,026	3.469
Sn1899_A		-0.1073	ug/L	0.2845	265.1	0.3324
Sr4215_R		0.1082	ug/L	0.2815	260.2	-32.99
Ti3349_A		-0.08672	ug/L	0.1285	148.2	-14.58
Tl1908_A		-1.349	ug/L	0.3498	25.93	-0.3226
V_2924_A		-0.1975	ug/L	0.1959	99.21	-2.159
Zn2062_A		0.1455	ug/L	0.01128	7.754	1.965
Y_3600_R		8,112.7	Cts/S	3.0012	0.036993	8,112.7
Y_2243_A		6,484.5	Cts/S	33.589	0.51799	6,484.5
Y_3600_A		193,120	Cts/S	421.81	0.21842	193,120

PBWGG23ICW2

Method Name: K6010-2011 Method Revision: 851

PBWGG23ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:01:42PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3380	ug/L	0.2346	69.41	-25.32
Al3961_R		19.95	ug/L	11.47	57.50	-13.58
As1891_A		-1.431	ug/L	0.2866	20.02	-1.612
Au2427_A		-1.016	ug/L	0.7524	74.05	-3.009
B_2089_A		-3.707	ug/L	0.02757	0.7439	3.830
Ba4554_R		0.3592	ug/L	0.1052	29.28	-7.284
Be3130_R		0.05348	ug/L	0.07642	142.9	-7.449
Ca3158_R		25.25	ug/L	1.943	7.694	5.463
Cd2265_A		-0.07208	ug/L	0.08978	124.6	-0.9500
Co2286_A		-0.1665	ug/L	0.2450	147.2	7.581
Cr2677_A		0.4995	ug/L	0.2249	45.02	12.10
Cu3273_A		1.485	ug/L	0.5691	38.34	21.65
Fe2599_R		24.09	ug/L	6.301	26.16	17.26
K_7664_R		29.02	ug/L	11.17	38.49	-33.80
Li6707_R		1.623	ug/L	2.138	131.7	18.37
Mg2025_A		15.02	ug/L	0.05722	0.3811	1.895
Mn2576_R		1.174	ug/L	0.6283	53.54	2.344
Mo2020_A		-2.967	ug/L	0.1217	4.101	0.8290
Na5895_R		32.88	ug/L	11.35	34.53	-69.67
Ni2316_A		0.02612	ug/L	0.3229	1,236	-0.3458
Pb2203_A		0.1527	ug/L	0.5866	384.1	-0.3476
Sb2068_A		-0.7342	ug/L	4.001	545.0	1.064
Se1960_A		0.2109	ug/L	3.093	1,466	-0.6073
Si2516_R		30.00	ug/L	10.14	33.79	7.719
Sn1899_A		-0.3496	ug/L	0.001939	0.5545	0.2199
Sr4215_R		-0.06244	ug/L	0.3312	530.4	-37.65
Ti3349_A		0.2236	ug/L	0.1747	78.14	-6.955
Tl1908_A		-2.172	ug/L	0.7793	35.88	-0.6621
V_2924_A		-0.2409	ug/L	0.3090	128.2	-2.442
Zn2062_A		0.8129	ug/L	0.1647	20.26	3.789
Y_3600_R		8,031.8	Cts/S	102.34	1.2742	8,031.8
Y_2243_A		6,398.8	Cts/S	25.003	0.39074	6,398.8
Y_3600_A		191,450	Cts/S	1,534.6	0.80156	191,450

LCSWGG23ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:06:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.81	ug/L	0.1144	0.2126	983.2
Al3961_R		2,115	ug/L	14.11	0.6672	644.6
As1891_A		100.5	ug/L	2.089	2.079	23.45
Au2427_A		-0.1506	ug/L	0.1219	80.91	-1.972
B_2089_A		524.1	ug/L	2.807	0.5356	446.3
Ba4554_R		2,110	ug/L	21.47	1.018	46,620
Be3130_R		53.36	ug/L	0.2865	0.5369	1,864
Ca3158_R		2,633	ug/L	12.27	0.4659	1,302
Cd2265_A		259.4	ug/L	0.9294	0.3583	3,227
Co2286_A		538.2	ug/L	0.3824	0.07105	1,676
Cr2677_A		211.6	ug/L	0.7255	0.3429	2,703
Cu3273_A		269.3	ug/L	1.030	0.3826	3,393
Fe2599_R		1,053	ug/L	1.538	0.1460	613.1
K_7664_R		10,590	ug/L	67.53	0.6376	4,487
Li6707_R		534.7	ug/L	6.553	1.226	3,522
Mg2025_A		5,364	ug/L	16.89	0.3148	1,009
Mn2576_R		519.9	ug/L	2.626	0.5051	1,608
Mo2020_A		310.5	ug/L	1.252	0.4032	551.3

LCSWGG23ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:06:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,919	ug/L	71.58	0.9039	7,819
Ni2316_A		544.4	ug/L	2.363	0.4340	913.8
Pb2203_A		107.3	ug/L	0.3690	0.3438	99.08
Sb2068_A		103.3	ug/L	0.6072	0.5880	30.00
Se1960_A		101.9	ug/L	0.3137	0.3080	15.54
Si2516_R		4,990	ug/L	65.83	1.319	764.5
Sn1899_A		530.5	ug/L	0.03804	0.007171	234.0
Sr4215_R		526.8	ug/L	3.075	0.5837	15,460
Ti3349_A		524.2	ug/L	3.256	0.6212	12,180
Tl1908_A		102.8	ug/L	1.671	1.625	42.79
V_2924_A		540.7	ug/L	0.2135	0.03949	6,282
Zn2062_A		526.4	ug/L	0.8477	0.1610	1,438
Y_3600_R		7,973.9	Cts/S	28.128	0.35275	7,973.9
Y_2243_A		6,299.6	Cts/S	4.4991	0.071419	6,299.6
Y_3600_A		183,830	Cts/S	788.31	0.42882	183,830

SG5181-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:10:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-3.860	ug/L	0.6072	15.73	-34.30
Al3961_R		403.1	ug/L	20.83	5.167	5.530
As1891_A		5.064	ug/L	8.110	160.1	-0.9899
Au2427_A		-2.951	ug/L	2.238	75.84	-3.059
B_2089_A		-18.00	ug/L	3.754	20.85	3.799
Ba4554_R		128.8	ug/L	3.167	2.460	559.4
Be3130_R		-0.1847	ug/L	0.5219	282.6	-10.63
Ca3158_R		92,760	ug/L	227.0	0.2447	9,309
Cd2265_A		0.006049	ug/L	0.04461	737.4	0.4043
Co2286_A		-0.2705	ug/L	0.3380	124.9	7.680
Cr2677_A		1.743	ug/L	1.632	93.63	10.16
Cu3273_A		5.288	ug/L	1.712	32.37	15.13
Fe2599_R		3,069	ug/L	44.52	1.451	362.1
K_7664_R		11,140	ug/L	238.6	2.143	916.0
Li6707_R		58.07	ug/L	1.604	2.763	84.80
Mg2025_A		19,070	ug/L	25.10	0.1316	689.3
Mn2576_R		2,095	ug/L	0.3889	0.01857	1,308
Mo2020_A		-12.80	ug/L	1.581	12.35	1.504
Na5895_R	W	602,400	ug/L	77.22	0.01282	121,600
Ni2316_A		0.9750	ug/L	0.0001002	0.01028	-0.08464
Pb2203_A		-1.715	ug/L	3.034	177.0	-0.7848
Sb2068_A		-13.59	ug/L	4.620	34.01	0.4654
Se1960_A		9.865	ug/L	11.14	112.9	-0.2649
Si2516_R		9,324	ug/L	153.5	1.647	290.1
Sn1899_A		-5.132	ug/L	0.08201	1.598	-0.07999
Sr4215_R		715.8	ug/L	1.980	0.2766	4,216
Ti3349_A		-3.588	ug/L	2.880	80.25	-28.10
Tl1908_A		-4.229	ug/L	1.400	33.11	-0.3864
V_2924_A		2.381	ug/L	1.770	74.37	-5.996
Zn2062_A		3.963	ug/L	0.002092	0.05279	3.607
Y_3600_R		8,050.2	Cts/S	16.683	0.20724	8,050.2
Y_2243_A		6,184.0	Cts/S	0.38664	0.0062523	6,184.0
Y_3600_A		181,000	Cts/S	195.11	0.10780	181,000

SG5181-001L

Method Name: K6010-2011 Method Revision: 851

SG5181-001L

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:15:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-4.395	ug/L	0.1056	2.402	-22.31
Al3961_R		984.2	ug/L	856.5	87.03	-7.457
As1891_A		16.89	ug/L	20.88	123.7	-1.084
Au2427_A		-9.429	ug/L	10.84	115.0	-1.287
B_2089_A		-107.9	ug/L	7.857	7.281	3.297
Ba4554_R		139.9	ug/L	5.453	3.898	110.4
Be3130_R		0.1315	ug/L	0.4803	365.4	-9.214
Ca3158_R		92,660	ug/L	221.3	0.2388	1,868
Cd2265_A		-1.288	ug/L	0.3878	30.10	-0.6126
Co2286_A		1.847	ug/L	4.300	232.8	8.274
Cr2677_A		5.418	ug/L	5.170	95.42	8.382
Cu3273_A		12.61	ug/L	9.487	75.22	8.623
Fe2599_R		3,119	ug/L	7.485	0.2400	76.74
K_7664_R		11,910	ug/L	1,644	13.80	160.4
Li6707_R		88.82	ug/L	36.95	41.60	31.47
Mg2025_A		20,900	ug/L	89.70	0.4292	154.4
Mn2576_R		2,125	ug/L	16.67	0.7843	266.3
Mo2020_A		-74.25	ug/L	3.537	4.763	0.8175
Na5895_R		618,800	ug/L	3,381	0.5463	25,080
Ni2316_A		-5.253	ug/L	3.686	70.17	-0.7475
Pb2203_A		-4.758	ug/L	1.972	41.44	-0.6666
Sb2068_A		4.085	ug/L	17.50	428.4	1.315
Se1960_A		-15.27	ug/L	44.19	289.3	-0.7250
Si2516_R		9,334	ug/L	567.4	6.079	61.07
Sn1899_A		-11.39	ug/L	8.653	75.94	0.1712
Sr4215_R		728.6	ug/L	1.726	0.2369	835.8
Ti3349_A		-8.045	ug/L	0.3740	4.649	-19.90
Tl1908_A		-46.36	ug/L	8.060	17.39	-0.5823
V_2924_A		-5.650	ug/L	4.697	83.13	-4.714
Zn2062_A		6.452	ug/L	3.253	50.42	2.234
Y_3600_R		8,110.6	Cts/S	107.98	1.3313	8,110.6
Y_2243_A		6,351.3	Cts/S	5.1845	0.081628	6,351.3
Y_3600_A		189,080	Cts/S	367.63	0.19443	189,080

SG5181-001S

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:19:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		53.64	ug/L	0.6505	1.213	176.4
Al3961_R		2,461	ug/L	113.5	4.612	135.8
As1891_A		109.0	ug/L	2.464	2.260	4.013
Au2427_A		-2.080	ug/L	0.8010	38.51	-2.822
B_2089_A		507.1	ug/L	2.216	0.4370	90.02
Ba4554_R		2,187	ug/L	7.466	0.3413	9,729
Be3130_R		53.37	ug/L	0.6736	1.262	368.3
Ca3158_R		93,560	ug/L	247.2	0.2642	9,371
Cd2265_A		260.2	ug/L	1.182	0.4541	634.5
Co2286_A		528.0	ug/L	1.571	0.2976	328.3
Cr2677_A		210.7	ug/L	1.373	0.6517	534.6
Cu3273_A		262.5	ug/L	5.367	2.044	652.6
Fe2599_R		4,167	ug/L	5.689	0.1365	489.5
K_7664_R		21,680	ug/L	149.7	0.6904	1,824
Li6707_R		582.3	ug/L	9.522	1.635	778.9
Mg2025_A		23,590	ug/L	28.24	0.1197	855.1
Mn2576_R		2,579	ug/L	7.382	0.2862	1,608
Mo2020_A		294.6	ug/L	2.044	0.6938	107.2

SG5181-001S

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:19:43PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	597,200	ug/L	1,252	0.2097	120,300
Ni2316_A		537.0	ug/L	2.592	0.4826	176.3
Pb2203_A		104.6	ug/L	2.572	2.458	18.54
Sb2068_A		104.8	ug/L	1.067	1.018	6.950
Se1960_A		102.0	ug/L	14.15	13.87	2.601
Si2516_R		14,310	ug/L	8.532	0.05964	442.7
Sn1899_A		522.3	ug/L	1.011	0.1935	45.42
Sr4215_R		1,215	ug/L	5.087	0.4187	7,166
Ti3349_A		517.2	ug/L	2.135	0.4128	2,356
Tl1908_A		89.12	ug/L	2.192	2.460	7.178
V_2924_A		550.6	ug/L	6.695	1.216	1,248
Zn2062_A		538.5	ug/L	1.771	0.3289	289.3
Y_3600_R		8,033.9	Cts/S	18.562	0.23104	8,033.9
Y_2243_A		6,170.2	Cts/S	6.4483	0.10451	6,170.2
Y_3600_A		180,920	Cts/S	491.26	0.27154	180,920

SG5181-001P

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:24:11PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		50.61	ug/L	0.3643	0.7199	163.8
Al3961_R		2,347	ug/L	124.0	5.282	127.3
As1891_A		107.6	ug/L	3.932	3.655	3.922
Au2427_A		-3.708	ug/L	6.415	173.0	-3.807
B_2089_A		516.9	ug/L	0.8626	0.1669	91.07
Ba4554_R		2,204	ug/L	11.98	0.5437	9,700
Be3130_R		54.31	ug/L	0.1071	0.1973	370.9
Ca3158_R		94,820	ug/L	833.4	0.8789	9,396
Cd2265_A		262.9	ug/L	0.6070	0.2309	637.2
Co2286_A		534.9	ug/L	0.1569	0.02932	330.6
Cr2677_A		213.1	ug/L	1.125	0.5279	536.2
Cu3273_A		265.8	ug/L	2.191	0.8241	655.2
Fe2599_R		4,059	ug/L	15.44	0.3803	471.9
K_7664_R		21,910	ug/L	8.731	0.03985	1,824
Li6707_R		583.6	ug/L	8.544	1.464	772.4
Mg2025_A		23,710	ug/L	67.85	0.2861	854.3
Mn2576_R		2,594	ug/L	9.370	0.3613	1,600
Mo2020_A		298.0	ug/L	1.340	0.4497	107.8
Na5895_R	W	607,800	ug/L	6,121	1.007	121,100
Ni2316_A		541.7	ug/L	2.688	0.4962	176.8
Pb2203_A		104.6	ug/L	2.025	1.936	18.43
Sb2068_A		104.2	ug/L	8.460	8.123	6.870
Se1960_A		97.62	ug/L	5.551	5.686	2.451
Si2516_R		14,510	ug/L	88.61	0.6108	444.2
Sn1899_A		529.8	ug/L	3.177	0.5996	45.79
Sr4215_R		1,235	ug/L	7.678	0.6217	7,208
Ti3349_A		526.9	ug/L	0.6420	0.1218	2,380
Tl1908_A		91.14	ug/L	0.5406	0.5932	7.297
V_2924_A		561.0	ug/L	2.699	0.4812	1,261
Zn2062_A		541.9	ug/L	0.1162	0.02145	289.4
Y_3600_R		7,949.1	Cts/S	37.949	0.47739	7,949.1
Y_2243_A		6,134.0	Cts/S	15.913	0.25942	6,134.0
Y_3600_A		179,380	Cts/S	1,107.8	0.61757	179,380

SG5181-002

Method Name: K6010-2011 Method Revision: 851

SG5181-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:28:41PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1416	ug/L	0.2840	200.6	-25.39
Al3961_R		562.5	ug/L	10.36	1.841	158.7
As1891_A		1.695	ug/L	0.4382	25.85	-0.8473
Au2427_A		-0.9979	ug/L	0.005262	0.5273	-4.438
B_2089_A		19.39	ug/L	0.3430	1.768	22.85
Ba4554_R		11.36	ug/L	0.5345	4.706	239.7
Be3130_R		0.2297	ug/L	0.1929	83.98	-1.626
Ca3158_R		3,932	ug/L	97.56	2.481	1,980
Cd2265_A		0.1388	ug/L	0.01561	11.25	2.667
Co2286_A		7.793	ug/L	0.1561	2.003	31.79
Cr2677_A		3.044	ug/L	0.1736	5.702	43.41
Cu3273_A		18.85	ug/L	0.3492	1.853	232.0
Fe2599_R		1,379	ug/L	37.22	2.699	814.6
K_7664_R		2,013	ug/L	59.68	2.965	828.5
Li6707_R		3.450	ug/L	2.522	73.10	30.96
Mg2025_A		740.3	ug/L	1.453	0.1963	133.8
Mn2576_R		529.2	ug/L	14.08	2.661	1,663
Mo2020_A		12.99	ug/L	0.08260	0.6358	28.40
Na5895_R	W	134,300	ug/L	2,773	2.064	136,400
Ni2316_A		11.59	ug/L	0.1222	1.054	18.74
Pb2203_A		2.016	ug/L	0.4807	23.84	1.321
Sb2068_A		-0.1748	ug/L	0.2521	144.2	1.193
Se1960_A		0.3657	ug/L	1.703	465.5	-0.5061
Si2516_R		12,800	ug/L	336.4	2.629	1,986
Sn1899_A		-0.8469	ug/L	0.8602	101.6	-0.001276
Sr4215_R		28.10	ug/L	0.03546	0.1262	803.8
Ti3349_A		24.13	ug/L	0.5554	2.301	531.9
Tl1908_A		-1.672	ug/L	0.8397	50.22	-0.8115
V_2924_A		6.918	ug/L	0.1804	2.608	62.78
Zn2062_A		3.960	ug/L	0.05870	1.483	12.12
Y_3600_R		8,103.5	Cts/S	132.61	1.6365	8,103.5
Y_2243_A		6,202.1	Cts/S	38.238	0.61654	6,202.1
Y_3600_A		178,000	Cts/S	2,823.8	1.5864	178,000

SG5181-003

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:33:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3479	ug/L	0.9257	266.0	-20.74
Al3961_R		385.3	ug/L	132.8	34.47	4.730
As1891_A		-5.518	ug/L	7.666	138.9	-1.490
Au2427_A		-3.680	ug/L	3.147	85.50	-2.509
B_2089_A		-12.69	ug/L	0.4323	3.405	4.837
Ba4554_R		42.25	ug/L	4.881	11.55	173.0
Be3130_R		0.3884	ug/L	0.8933	230.0	-6.418
Ca3158_R		19,860	ug/L	1,754	8.833	1,986
Cd2265_A		-0.3941	ug/L	0.05654	14.35	-0.7425
Co2286_A		2.571	ug/L	1.109	43.14	9.430
Cr2677_A		2.502	ug/L	0.7949	31.77	11.86
Cu3273_A		3.821	ug/L	3.407	89.17	11.60
Fe2599_R		1,917	ug/L	149.2	7.783	227.3
K_7664_R		4,005	ug/L	395.3	9.871	299.2
Li6707_R		27.04	ug/L	5.337	19.74	43.89
Mg2025_A		3,995	ug/L	26.55	0.6645	144.0
Mn2576_R		758.5	ug/L	77.23	10.18	472.3
Mo2020_A		15.66	ug/L	0.3395	2.168	11.34

SG5181-003

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:33:14PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	353,100	ug/L	31,600	8.949	71,160
Ni2316_A		8.800	ug/L	2.143	24.35	2.524
Pb2203_A		2.096	ug/L	0.8063	38.47	-0.09772
Sb2068_A		-5.422	ug/L	11.81	217.9	0.9262
Se1960_A		-5.566	ug/L	1.694	30.43	-0.7774
Si2516_R		9,772	ug/L	850.7	8.706	303.7
Sn1899_A		2.084	ug/L	0.3282	15.75	0.5449
Sr4215_R		133.3	ug/L	11.64	8.732	755.4
Ti3349_A		5.252	ug/L	0.7826	14.90	12.62
Tl1908_A		-12.43	ug/L	9.832	79.07	-0.8722
V_2924_A		7.102	ug/L	1.591	22.40	12.20
Zn2062_A		3.798	ug/L	0.7845	20.65	3.524
Y_3600_R		8,064.7	Cts/S	455.16	5.6439	8,064.7
Y_2243_A		6,195.4	Cts/S	38.735	0.62523	6,195.4
Y_3600_A		183,750	Cts/S	165.40	0.090011	183,750

CCV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:37:46PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		520.1	ug/L	0.3981	0.07654	9,811
Al3961_R		12,640	ug/L	30.16	0.2386	3,916
As1891_A		489.8	ug/L	0.5568	0.1137	118.7
Au2427_A		508.2	ug/L	2.523	0.4965	1,587
B_2089_A		503.3	ug/L	1.737	0.3450	436.5
Ba4554_R		501.2	ug/L	2.107	0.4204	11,020
Be3130_R		498.7	ug/L	1.508	0.3023	17,470
Ca3158_R		12,580	ug/L	70.07	0.5570	6,224
Cd2265_A		512.9	ug/L	2.139	0.4170	6,404
Co2286_A		509.0	ug/L	1.308	0.2569	1,590
Cr2677_A		505.5	ug/L	0.4501	0.08905	6,535
Cu3273_A		507.7	ug/L	1.541	0.3035	6,495
Fe2599_R		12,440	ug/L	18.32	0.1472	7,178
K_7664_R		12,890	ug/L	101.6	0.7885	5,447
Li6707_R		523.5	ug/L	4.439	0.8479	3,434
Mg2025_A		13,140	ug/L	45.13	0.3434	2,449
Mn2576_R		502.4	ug/L	2.976	0.5924	1,548
Mo2020_A		502.8	ug/L	3.424	0.6810	891.4
Na5895_R		13,120	ug/L	126.7	0.9658	12,970
Ni2316_A		526.3	ug/L	3.019	0.5737	885.5
Pb2203_A		519.8	ug/L	2.242	0.4312	483.7
Sb2068_A		494.1	ug/L	0.4488	0.09083	144.5
Se1960_A		503.0	ug/L	1.296	0.2576	79.19
Si2516_R		12,650	ug/L	88.21	0.6973	1,924
Sn1899_A		513.1	ug/L	1.370	0.2670	226.9
Sr4215_R		516.8	ug/L	2.333	0.4514	15,110
Ti3349_A		511.9	ug/L	0.4475	0.08741	12,060
Tl1908_A		514.1	ug/L	1.424	0.2770	214.9
V_2924_A		524.7	ug/L	0.5508	0.1050	6,142
Zn2062_A		504.6	ug/L	0.4873	0.09658	1,381
Y_3600_R		7,940.7	Cts/S	42.681	0.53750	7,940.7
Y_2243_A		6,315.9	Cts/S	1.6892	0.026745	6,315.9
Y_3600_A		186,270	Cts/S	253.99	0.13636	186,270

CCB

Method Name: K6010-2011 Method Revision: 851

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:42:07PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.03111	ug/L	0.02868	92.19	-19.29
Al3961_R		64.15	ug/L	10.68	16.65	0.3494
As1891_A		2.296	ug/L	0.3240	14.11	-0.6799
Au2427_A		0.4165	ug/L	0.6990	167.8	1.513
B_2089_A		-5.186	ug/L	0.5682	10.96	2.635
Ba4554_R		0.5894	ug/L	0.1494	25.34	-2.111
Be3130_R		0.09401	ug/L	0.1086	115.6	-5.895
Ca3158_R		12.82	ug/L	0.8750	6.825	-0.7472
Cd2265_A		0.06359	ug/L	0.01318	20.73	0.7383
Co2286_A		0.2763	ug/L	0.06140	22.22	8.925
Cr2677_A		0.007632	ug/L	0.02752	360.5	5.593
Cu3273_A		0.1506	ug/L	0.4843	321.6	4.075
Fe2599_R		-1.086	ug/L	2.871	264.5	2.554
K_7664_R		46.93	ug/L	7.329	15.62	-25.68
Li6707_R		0.9799	ug/L	0.4112	41.97	13.97
Mg2025_A		4.644	ug/L	1.361	29.31	-0.02292
Mn2576_R		0.1717	ug/L	0.2158	125.7	-0.7813
Mo2020_A		-1.395	ug/L	0.1615	11.58	3.615
Na5895_R		7.487	ug/L	14.27	190.5	-93.76
Ni2316_A		-0.2784	ug/L	0.8295	298.0	-0.8607
Pb2203_A		0.4422	ug/L	1.168	264.2	-0.07420
Sb2068_A		-0.9535	ug/L	1.418	148.7	0.9870
Se1960_A		-2.079	ug/L	0.3946	18.98	-0.9711
Si2516_R		-2.144	ug/L	4.065	189.6	2.750
Sn1899_A		-0.1669	ug/L	0.6499	389.3	0.3012
Sr4215_R		0.08315	ug/L	0.04669	56.16	-32.85
Ti3349_A		0.4666	ug/L	0.3675	78.75	-1.062
Tl1908_A		-0.8333	ug/L	0.8649	103.8	-0.09103
V_2924_A		-0.02616	ug/L	0.4003	1,530	0.09873
Zn2062_A		-0.03685	ug/L	0.05306	144.0	1.425
Y_3600_R		7,898.6	Cts/S	12.893	0.16323	7,898.6
Y_2243_A		6,363.5	Cts/S	54.890	0.86258	6,363.5
Y_3600_A		191,880	Cts/S	1,056.3	0.55053	191,880

SG5181-004

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:46:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-1.147	ug/L	0.07539	6.571	-23.10
Al3961_R		361.3	ug/L	0.4080	0.1129	2.944
As1891_A		6.147	ug/L	2.188	35.60	-0.9310
Au2427_A		-0.6507	ug/L	5.011	770.0	-0.6741
B_2089_A		-9.629	ug/L	0.3073	3.192	5.359
Ba4554_R		42.93	ug/L	5.854	13.64	173.4
Be3130_R		1.178	ug/L	0.05725	4.858	-0.9731
Ca3158_R		20,590	ug/L	476.9	2.316	2,030
Cd2265_A		-0.07238	ug/L	0.3703	511.6	0.05982
Co2286_A		3.658	ug/L	1.176	32.15	10.10
Cr2677_A		4.037	ug/L	0.7468	18.50	15.34
Cu3273_A		2.034	ug/L	0.7612	37.42	6.851
Fe2599_R		1,997	ug/L	27.40	1.372	233.2
K_7664_R		4,037	ug/L	106.8	2.646	298.1
Li6707_R		17.76	ug/L	2.535	14.27	30.88
Mg2025_A		4,045	ug/L	48.98	1.211	145.9
Mn2576_R		791.0	ug/L	34.77	4.396	485.6
Mo2020_A		19.26	ug/L	1.620	8.411	12.59

SG5181-004

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:46:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	366,600	ug/L	6,444	1.758	72,830
Ni2316_A		7.170	ug/L	1.796	25.05	1.984
Pb2203_A		-4.870	ug/L	8.899	182.7	-1.372
Sb2068_A		0.03658	ug/L	15.80	43,190	1.236
Se1960_A		14.10	ug/L	9.250	65.60	-0.1637
Si2516_R		10,060	ug/L	322.6	3.207	308.1
Sn1899_A		-1.655	ug/L	0.08578	5.182	0.2212
Sr4215_R		140.7	ug/L	0.8060	0.5729	787.9
Ti3349_A		5.272	ug/L	2.190	41.54	12.23
Tl1908_A		-8.804	ug/L	2.544	28.90	-0.5820
V_2924_A		2.575	ug/L	0.8758	34.02	1.263
Zn2062_A		4.925	ug/L	0.3194	6.485	4.133
Y_3600_R		7,931.8	Cts/S	176.48	2.2250	7,931.8
Y_2243_A		6,201.0	Cts/S	38.482	0.62058	6,201.0
Y_3600_A		178,390	Cts/S	4,650.2	2.6067	178,390

SG5181-005

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:51:12PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1100	ug/L	0.2739	248.9	-20.86
Al3961_R		52.13	ug/L	11.36	21.80	-3.429
As1891_A		-0.2490	ug/L	1.214	487.3	-1.325
Au2427_A		-0.6432	ug/L	0.4551	70.75	-1.836
B_2089_A		-5.047	ug/L	0.1810	3.587	2.731
Ba4554_R		1.028	ug/L	0.1554	15.12	7.582
Be3130_R		0.1095	ug/L	0.04633	42.29	-5.409
Ca3158_R		16.09	ug/L	1.050	6.524	0.8722
Cd2265_A		-0.04682	ug/L	0.06042	129.0	-0.6464
Co2286_A		-0.1070	ug/L	0.07190	67.19	7.804
Cr2677_A		0.2105	ug/L	0.02380	11.31	8.287
Cu3273_A		0.2591	ug/L	0.01507	5.817	5.496
Fe2599_R		7.969	ug/L	1.633	20.49	7.827
K_7664_R		33.32	ug/L	87.09	261.4	-31.86
Li6707_R		0.3744	ug/L	4.656	1,244	10.05
Mg2025_A		1.209	ug/L	1.338	110.6	-0.6894
Mn2576_R		0.5779	ug/L	0.1577	27.29	0.4688
Mo2020_A		-2.844	ug/L	0.05170	1.818	1.053
Na5895_R		36.95	ug/L	12.03	32.54	-65.17
Ni2316_A		0.1018	ug/L	0.5153	506.1	-0.2128
Pb2203_A		-0.1243	ug/L	0.1813	145.9	-0.6164
Sb2068_A		-0.3924	ug/L	1.102	280.8	1.166
Se1960_A		-0.8189	ug/L	0.9043	110.4	-0.7773
Si2516_R		37.80	ug/L	18.84	49.83	8.875
Sn1899_A		-0.3745	ug/L	0.7932	211.8	0.2087
Sr4215_R		-0.08011	ug/L	0.1325	165.4	-37.99
Ti3349_A		0.06401	ug/L	0.07397	115.6	-10.82
Tl1908_A		-1.774	ug/L	0.3917	22.07	-0.4948
V_2924_A		-0.9436	ug/L	0.004857	0.5147	-11.00
Zn2062_A		0.8033	ug/L	0.0006026	0.07502	3.781
Y_3600_R		7,978.3	Cts/S	39.080	0.48982	7,978.3
Y_2243_A		6,429.5	Cts/S	40.006	0.62222	6,429.5
Y_3600_A		191,770	Cts/S	508.91	0.26537	191,770

SG5183-001

Method Name: K6010-2011 Method Revision: 851

SG5183-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 6:55:45PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5161	ug/L	0.7240	140.3	-25.58
Al3961_R		922.9	ug/L	68.62	7.435	37.51
As1891_A		-0.5817	ug/L	6.703	1,152	-1.287
Au2427_A		-8.967	ug/L	3.695	41.20	-9.323
B_2089_A		-1.503	ug/L	2.127	141.5	6.422
Ba4554_R		109.7	ug/L	1.242	1.133	464.9
Be3130_R		0.2678	ug/L	0.1980	73.92	-7.319
Ca3158_R	W	217,200	ug/L	3,793	1.746	21,380
Cd2265_A		-0.05152	ug/L	0.08405	163.1	0.9649
Co2286_A		4.045	ug/L	0.4275	10.57	10.31
Cr2677_A		5.273	ug/L	4.311	81.75	19.92
Cu3273_A		126.8	ug/L	1.683	1.327	315.5
Fe2599_R		7,869	ug/L	88.65	1.127	905.1
K_7664_R		12,740	ug/L	347.3	2.726	1,034
Li6707_R		73.87	ug/L	5.031	6.810	103.6
Mg2025_A		69,570	ug/L	154.2	0.2216	2,506
Mn2576_R	W	5,818	ug/L	63.60	1.093	3,564
Mo2020_A		-13.90	ug/L	0.2005	1.442	1.119
Na5895_R	W	390,300	ug/L	5,077	1.301	77,170
Ni2316_A		4.754	ug/L	2.643	55.59	1.105
Pb2203_A		9.598	ug/L	2.420	25.21	1.285
Sb2068_A		-5.938	ug/L	8.753	147.4	0.8981
Se1960_A		-1.732	ug/L	15.39	888.6	-0.5348
Si2516_R		11,550	ug/L	109.6	0.9484	351.7
Sn1899_A		-0.9675	ug/L	2.491	257.5	0.2786
Sr4215_R		1,369	ug/L	19.33	1.411	7,938
Ti3349_A		14.95	ug/L	1.090	7.289	56.36
Tl1908_A		-11.54	ug/L	0.4118	3.568	-1.500
V_2924_A		12.88	ug/L	0.1816	1.410	-3.033
Zn2062_A		11.94	ug/L	0.3847	3.223	7.847
Y_3600_R		7,892.2	Cts/S	95.937	1.2156	7,892.2
Y_2243_A		6,159.1	Cts/S	16.015	0.26002	6,159.1
Y_3600_A		179,720	Cts/S	427.59	0.23792	179,720

SG5183-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:00:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4625	ug/L	0.2067	44.68	-25.79
Al3961_R		120.7	ug/L	2.799	2.319	17.78
As1891_A		-0.1705	ug/L	0.9747	571.8	-1.223
Au2427_A		-0.8560	ug/L	0.9033	105.5	-2.374
B_2089_A		1.135	ug/L	0.4043	35.61	7.621
Ba4554_R		22.39	ug/L	0.06883	0.3074	471.8
Be3130_R		0.05997	ug/L	0.09420	157.1	-7.026
Ca3158_R	W	62,240	ug/L	730.8	1.174	30,440
Cd2265_A		-0.1156	ug/L	0.005877	5.084	-1.410
Co2286_A		0.1386	ug/L	0.05859	42.29	8.057
Cr2677_A		1.801	ug/L	0.4386	24.36	27.26
Cu3273_A		1.041	ug/L	0.3077	29.54	14.68
Fe2599_R		37.89	ug/L	3.004	7.930	24.72
K_7664_R		5,293	ug/L	1.709	0.03229	2,182
Li6707_R		12.27	ug/L	1.660	13.54	86.86
Mg2025_A		12,300	ug/L	37.64	0.3060	2,173
Mn2576_R		7.379	ug/L	0.6770	9.174	21.16
Mo2020_A		3.638	ug/L	0.2031	5.584	11.91

SG5183-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:00:15PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	109,000	ug/L	1,322	1.213	107,100
Ni2316_A		0.4484	ug/L	0.4923	109.8	0.3648
Pb2203_A		-0.8043	ug/L	1.101	136.9	-1.201
Sb2068_A		-0.5803	ug/L	0.7525	129.7	1.046
Se1960_A		1.473	ug/L	0.2231	15.15	-0.3824
Si2516_R		4,593	ug/L	28.42	0.6187	691.7
Sn1899_A		-0.1963	ug/L	0.05625	28.65	0.2724
Sr4215_R		411.7	ug/L	3.848	0.9348	11,870
Ti3349_A		-0.6914	ug/L	0.2215	32.04	-26.91
Tl1908_A		-1.978	ug/L	0.8103	40.96	-0.5510
V_2924_A		-0.2524	ug/L	0.2440	96.65	-3.260
Zn2062_A		0.5076	ug/L	0.004702	0.9264	2.774
Y_3600_R		7,841.7	Cts/S	82.360	1.0503	7,841.7
Y_2243_A		6,041.7	Cts/S	21.757	0.36012	6,041.7
Y_3600_A		177,510	Cts/S	305.10	0.17187	177,510

SG5184-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:04:46PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.1113	ug/L	0.5137	461.5	-20.08
Al3961_R		51.26	ug/L	17.19	33.53	-3.522
As1891_A		0.3962	ug/L	0.7016	177.1	-1.130
Au2427_A		-0.5908	ug/L	0.9343	158.2	-1.638
B_2089_A		2.823	ug/L	0.1511	5.352	9.246
Ba4554_R		3.354	ug/L	0.1092	3.256	57.65
Be3130_R		0.1110	ug/L	0.01586	14.29	-5.194
Ca3158_R		17,360	ug/L	152.5	0.8783	8,433
Cd2265_A		-0.03190	ug/L	0.003992	12.51	-0.4495
Co2286_A		0.02605	ug/L	0.2108	809.1	8.006
Cr2677_A		0.5461	ug/L	0.2717	49.74	12.30
Cu3273_A		0.4762	ug/L	0.08459	17.76	8.081
Fe2599_R		5.291	ug/L	0.5358	10.13	6.127
K_7664_R		1,881	ug/L	104.7	5.565	742.0
Li6707_R		7.036	ug/L	2.156	30.64	52.66
Mg2025_A		1,810	ug/L	7.212	0.3985	330.7
Mn2576_R		2.267	ug/L	0.9968	43.96	5.575
Mo2020_A		2.722	ug/L	0.2629	9.660	10.74
Na5895_R		15,970	ug/L	210.7	1.319	15,510
Ni2316_A		-0.3469	ug/L	0.6931	199.8	-0.9471
Pb2203_A		-0.9566	ug/L	0.4589	47.98	-1.378
Sb2068_A		-1.436	ug/L	0.7132	49.67	0.8341
Se1960_A		-0.1207	ug/L	1.643	1,361	-0.6474
Si2516_R		5,970	ug/L	59.96	1.004	892.6
Sn1899_A		-0.1275	ug/L	0.008599	6.745	0.3124
Sr4215_R		67.94	ug/L	0.5549	0.8168	1,918
Ti3349_A		-0.4674	ug/L	0.5254	112.4	-22.75
Tl1908_A		-1.358	ug/L	0.6957	51.24	-0.3106
V_2924_A		1.452	ug/L	0.3079	21.21	16.97
Zn2062_A		0.6811	ug/L	0.02303	3.382	3.349
Y_3600_R		7,792.6	Cts/S	23.161	0.29721	7,792.6
Y_2243_A		6,261.6	Cts/S	3.5940	0.057398	6,261.6
Y_3600_A		184,760	Cts/S	919.94	0.49792	184,760

SG5184-002

Method Name: K6010-2011 Method Revision: 851

SG5184-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:09:16PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2500	ug/L	0.6483	259.3	-22.73
Al3961_R		66.57	ug/L	15.49	23.27	1.264
As1891_A		4.509	ug/L	0.4958	11.00	-0.1262
Au2427_A		-1.130	ug/L	0.2218	19.63	-3.246
B_2089_A		0.2746	ug/L	0.7476	272.2	7.284
Ba4554_R		5.294	ug/L	0.01315	0.2484	99.81
Be3130_R		0.2347	ug/L	0.02244	9.562	-0.9469
Ca3158_R		22,020	ug/L	91.29	0.4145	10,730
Cd2265_A		-0.03344	ug/L	0.05324	159.2	-0.4266
Co2286_A		0.09805	ug/L	0.2887	294.5	8.102
Cr2677_A		0.5471	ug/L	0.1208	22.08	12.16
Cu3273_A		0.8931	ug/L	0.2432	27.23	13.21
Fe2599_R		52.92	ug/L	3.053	5.768	33.16
K_7664_R		2,116	ug/L	21.36	1.009	842.2
Li6707_R		2.201	ug/L	2.496	113.4	21.60
Mg2025_A		1,702	ug/L	2.084	0.1224	306.2
Mn2576_R		5.669	ug/L	0.5820	10.27	15.91
Mo2020_A		10.12	ug/L	0.3033	2.995	23.30
Na5895_R	W	38,320	ug/L	10.50	0.02739	37,460
Ni2316_A		0.1956	ug/L	0.1881	96.16	-0.02931
Pb2203_A		-0.1450	ug/L	1.886	1,301	-0.6259
Sb2068_A		-1.257	ug/L	0.2139	17.01	0.8690
Se1960_A		1.581	ug/L	0.03203	2.026	-0.3736
Si2516_R		4,579	ug/L	3.176	0.06935	687.1
Sn1899_A		-0.2209	ug/L	0.3768	170.6	0.2674
Sr4215_R		151.9	ug/L	0.8786	0.5784	4,344
Ti3349_A		-0.3355	ug/L	0.4311	128.5	-19.46
Tl1908_A		-1.863	ug/L	0.7506	40.29	-0.5145
V_2924_A		1.327	ug/L	0.3024	22.79	14.54
Zn2062_A		2.279	ug/L	0.08502	3.731	7.564
Y_3600_R		7,812.8	Cts/S	74.269	0.95061	7,812.8
Y_2243_A		6,163.9	Cts/S	5.2457	0.085104	6,163.9
Y_3600_A		182,710	Cts/S	2,323.6	1.2718	182,710

PBSGG25ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:13:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2755	ug/L	0.02014	7.309	-24.15
Al3961_R		45.01	ug/L	45.82	101.8	-5.920
As1891_A		1.662	ug/L	0.6570	39.52	-0.8511
Au2427_A		-0.3263	ug/L	1.569	480.9	-0.8373
B_2089_A		-5.741	ug/L	0.5094	8.873	2.150
Ba4554_R		-0.1711	ug/L	0.6603	385.8	-18.96
Be3130_R		0.07521	ug/L	0.03637	48.36	-6.705
Ca3158_R		16.23	ug/L	5.203	32.06	0.9915
Cd2265_A		-0.05210	ug/L	0.02015	38.68	-0.7233
Co2286_A		-0.02772	ug/L	0.09333	336.7	8.096
Cr2677_A		0.1379	ug/L	0.2427	176.1	7.367
Cu3273_A		0.1047	ug/L	0.3103	296.3	3.449
Fe2599_R		2.658	ug/L	4.521	170.1	4.764
K_7664_R		26.55	ug/L	38.85	146.3	-35.31
Li6707_R		0.5600	ug/L	0.1291	23.05	11.46
Mg2025_A		10.20	ug/L	0.1716	1.683	1.006
Mn2576_R		1.566	ug/L	0.1739	11.11	3.563
Mo2020_A		-3.145	ug/L	0.04375	1.391	0.5166

PBSGG25ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:13:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		33.65	ug/L	8.271	24.58	-69.43
Ni2316_A		0.2942	ug/L	0.1062	36.11	0.1145
Pb2203_A		0.5162	ug/L	0.08630	16.72	-0.005125
Sb2068_A		-1.734	ug/L	0.9993	57.63	0.7586
Se1960_A		-0.5010	ug/L	0.8643	172.5	-0.7298
Si2516_R		11.50	ug/L	30.42	264.5	4.844
Sn1899_A		5.121	ug/L	0.5399	10.54	2.693
Sr4215_R		0.1164	ug/L	0.05129	44.04	-32.59
Ti3349_A		-0.01114	ug/L	0.08616	773.2	-12.67
Tl1908_A		-1.460	ug/L	0.07133	4.886	-0.3633
V_2924_A		-0.1053	ug/L	0.6650	631.2	-0.8069
Zn2062_A		4.540	ug/L	0.09884	2.177	14.27
Y_3600_R		8,071.2	Cts/S	233.86	2.8975	8,071.2
Y_2243_A		6,462.7	Cts/S	23.083	0.35717	6,462.7
Y_3600_A		192,360	Cts/S	2,327.1	1.2098	192,360

LCSOGG25ICS1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:18:21PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		46.16	ug/L	0.6614	1.433	848.9
Al3961_R		1,757	ug/L	8.276	0.4709	534.2
As1891_A	W	81.91	ug/L	2.635	3.217	18.93
Au2427_A		-0.7410	ug/L	0.3512	47.39	-3.511
B_2089_A		425.6	ug/L	1.922	0.4516	364.7
Ba4554_R	W	1,687	ug/L	2.675	0.1585	37,420
Be3130_R		42.66	ug/L	0.1585	0.3716	1,493
Ca3158_R		2,185	ug/L	13.82	0.6325	1,083
Cd2265_A		217.6	ug/L	1.227	0.5637	2,713
Co2286_A		448.2	ug/L	3.661	0.8170	1,400
Cr2677_A		177.3	ug/L	1.457	0.8216	2,287
Cu3273_A		227.6	ug/L	1.751	0.7692	2,895
Fe2599_R	W	844.5	ug/L	9.040	1.070	493.9
K_7664_R		8,711	ug/L	83.36	0.9570	3,695
Li6707_R		441.9	ug/L	4.635	1.049	2,922
Mg2025_A		4,589	ug/L	39.96	0.8707	864.8
Mn2576_R		423.7	ug/L	0.9593	0.2264	1,315
Mo2020_A	W	253.9	ug/L	3.700	1.457	453.0
Na5895_R		6,695	ug/L	61.42	0.9175	6,617
Ni2316_A		465.9	ug/L	2.813	0.6037	783.9
Pb2203_A		90.58	ug/L	0.6568	0.7251	83.76
Sb2068_A	W	84.50	ug/L	1.203	1.424	24.75
Se1960_A		87.67	ug/L	4.045	4.614	13.31
Si2516_R	F	3,751	ug/L	36.75	0.9796	577.6
Sn1899_A		466.5	ug/L	4.772	1.023	206.3
Sr4215_R		437.8	ug/L	2.762	0.6310	12,890
Ti3349_A		448.4	ug/L	2.402	0.5356	10,510
Tl1908_A		84.82	ug/L	0.4080	0.4811	35.43
V_2924_A		460.8	ug/L	4.519	0.9806	5,405
Zn2062_A		448.0	ug/L	3.055	0.6819	1,227
Y_3600_R		8,002.0	Cts/S	70.793	0.88469	8,002.0
Y_2243_A		6,315.1	Cts/S	38.790	0.61423	6,315.1
Y_3600_A		185,530	Cts/S	1,587.7	0.85578	185,530

SG5090-002

Method Name: K6010-2011 Method Revision: 851

SG5090-002

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:22:48PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4105	ug/L	0.05157	12.56	-28.15
Al3961_R		79.34	ug/L	6.161	7.766	10.64
As1891_A		-1.504	ug/L	1.010	67.14	-1.484
Au2427_A		-0.7506	ug/L	1.249	166.4	-2.059
B_2089_A		3.543	ug/L	0.2965	8.369	22.40
Ba4554_R		2.948	ug/L	0.1287	4.367	50.95
Be3130_R		0.08074	ug/L	0.02808	34.77	-6.565
Ca3158_R		9,896	ug/L	20.58	0.2079	5,009
Cd2265_A		-0.04233	ug/L	0.02862	67.61	-0.3643
Co2286_A		0.0007410	ug/L	0.09825	13,260	8.195
Cr2677_A		7.036	ug/L	0.1641	2.332	99.59
Cu3273_A		8.391	ug/L	1.610	19.18	113.3
Fe2599_R		308.0	ug/L	1.094	0.3552	185.0
K_7664_R		59.37	ug/L	17.79	29.96	-21.00
Li6707_R		0.1998	ug/L	0.9962	498.7	9.136
Mg2025_A		109.9	ug/L	1.933	1.758	21.51
Mn2576_R		2.344	ug/L	0.3060	13.05	6.063
Mo2020_A		385.4	ug/L	0.6298	0.1634	699.7
Na5895_R		85.75	ug/L	23.86	27.83	-16.68
Ni2316_A		1.598	ug/L	0.02954	1.849	3.140
Pb2203_A		5.484	ug/L	0.2065	3.765	4.276
Sb2068_A		1.574	ug/L	0.7362	46.77	1.483
Se1960_A		-0.5342	ug/L	0.8205	153.6	-0.7348
Si2516_R		75.40	ug/L	8.658	11.48	15.56
Sn1899_A		24.54	ug/L	0.2040	0.8314	11.45
Sr4215_R		3.940	ug/L	0.1086	2.757	81.81
Ti3349_A		1.754	ug/L	0.02415	1.377	34.87
Tl1908_A		-2.668	ug/L	0.4697	17.61	-0.8877
V_2924_A		0.6275	ug/L	0.4711	75.09	-32.43
Zn2062_A	W	3,184	ug/L	10.42	0.3274	8,907
Y_3600_R		8,125.4	Cts/S	9.4696	0.11654	8,125.4
Y_2243_A		6,453.7	Cts/S	12.243	0.18971	6,453.7
Y_3600_A		192,800	Cts/S	730.08	0.37867	192,800

SG5265-001D

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:27:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		46.04	ug/L	0.2598	0.5644	548.2
Al3961_R	W	61,010	ug/L	510.4	0.8367	19,540
As1891_A		109.5	ug/L	2.407	2.198	23.38
Au2427_A		-1.383	ug/L	1.185	85.70	21.04
B_2089_A		428.4	ug/L	1.972	0.4603	367.1
Ba4554_R	W	1,828	ug/L	10.12	0.5535	41,480
Be3130_R		45.90	ug/L	0.1442	0.3142	1,538
Ca3158_R		7,068	ug/L	85.54	1.210	3,603
Cd2265_A		217.0	ug/L	1.166	0.5372	2,760
Co2286_A		452.1	ug/L	2.637	0.5832	1,446
Cr2677_A		245.5	ug/L	0.6575	0.2679	3,185
Cu3273_A		271.1	ug/L	0.1144	0.04219	3,319
Fe2599_R	W	67,030	ug/L	97.77	0.1459	39,870
K_7664_R		12,830	ug/L	42.91	0.3344	5,593
Li6707_R		499.5	ug/L	4.066	0.8140	3,379
Mg2025_A		10,300	ug/L	48.72	0.4729	1,921
Mn2576_R	W	1,051	ug/L	5.891	0.5605	3,343
Mo2020_A		260.7	ug/L	2.181	0.8366	464.8

SG5265-001D

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:27:19PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,248	ug/L	111.1	1.533	7,340
Ni2316_A		500.9	ug/L	2.936	0.5861	839.2
Pb2203_A	W	1,060	ug/L	5.841	0.5512	984.3
Sb2068_A		75.10	ug/L	0.02495	0.03323	22.64
Se1960_A		89.50	ug/L	3.162	3.533	13.41
Si2516_R		5,427	ug/L	34.37	0.6333	852.3
Sn1899_A		463.1	ug/L	3.157	0.6818	204.7
Sr4215_R		482.5	ug/L	4.062	0.8418	14,540
Ti3349_A	W	4,906	ug/L	7.237	0.1475	115,800
Tl1908_A		82.65	ug/L	1.617	1.956	32.03
V_2924_A		684.4	ug/L	0.4354	0.06362	8,129
Zn2062_A		570.4	ug/L	3.363	0.5897	1,561
Y_3600_R		8,189.2	Cts/S	67.413	0.82319	8,189.2
Y_2243_A		6,313.2	Cts/S	37.769	0.59825	6,313.2
Y_3600_A		186,630	Cts/S	7.0843	0.0037960	186,630

CCV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:31:44PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	529.2	ug/L	0.6557	0.1239	9,787
Al3961_R		12,740	ug/L	227.7	1.787	3,906
As1891_A		498.6	ug/L	4.626	0.9277	118.4
Au2427_A		514.0	ug/L	4.375	0.8512	1,573
B_2089_A		511.4	ug/L	5.362	1.048	434.5
Ba4554_R		501.6	ug/L	9.335	1.861	10,910
Be3130_R		503.2	ug/L	9.406	1.869	17,440
Ca3158_R		12,670	ug/L	289.5	2.285	6,203
Cd2265_A		523.9	ug/L	6.094	1.163	6,409
Co2286_A		517.2	ug/L	5.071	0.9804	1,583
Cr2677_A		507.8	ug/L	0.9689	0.1908	6,436
Cu3273_A		511.5	ug/L	0.3472	0.06788	6,414
Fe2599_R		12,600	ug/L	300.5	2.385	7,192
K_7664_R		13,050	ug/L	179.1	1.373	5,457
Li6707_R		526.7	ug/L	9.260	1.758	3,419
Mg2025_A	W	13,410	ug/L	127.6	0.9516	2,448
Mn2576_R		507.9	ug/L	10.64	2.095	1,548
Mo2020_A		514.3	ug/L	6.913	1.344	893.2
Na5895_R	W	13,310	ug/L	298.7	2.245	13,010
Ni2316_A	W	540.4	ug/L	5.635	1.043	890.8
Pb2203_A	W	529.9	ug/L	4.352	0.8212	483.1
Sb2068_A		502.3	ug/L	1.973	0.3927	143.9
Se1960_A		509.2	ug/L	1.297	0.2546	78.55
Si2516_R		12,770	ug/L	258.7	2.027	1,921
Sn1899_A		525.2	ug/L	6.759	1.287	227.5
Sr4215_R		524.2	ug/L	12.52	2.389	15,160
Ti3349_A		523.8	ug/L	1.922	0.3670	12,090
Tl1908_A		522.8	ug/L	5.782	1.106	214.1
V_2924_A	W	535.6	ug/L	1.860	0.3472	6,147
Zn2062_A		511.3	ug/L	5.259	1.028	1,371
Y_3600_R		7,858.2	Cts/S	76.845	0.97789	7,858.2
Y_2243_A		6,188.3	Cts/S	51.017	0.82441	6,188.3
Y_3600_A		182,580	Cts/S	383.76	0.21018	182,580

CCB

Method Name: K6010-2011 Method Revision: 851

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:36:05PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		0.09974	ug/L	0.1640	164.4	-16.40
Al3961_R		10.90	ug/L	15.70	144.0	-15.77
As1891_A		0.9820	ug/L	0.5053	51.45	-1.004
Au2427_A		-0.7630	ug/L	0.6423	84.18	-2.199
B_2089_A		-4.393	ug/L	0.4760	10.84	3.306
Ba4554_R		0.2425	ug/L	0.4558	188.0	-9.679
Be3130_R		0.1884	ug/L	0.03999	21.23	-2.545
Ca3158_R		5.284	ug/L	4.883	92.42	-4.355
Cd2265_A		0.02487	ug/L	0.03651	146.8	0.2535
Co2286_A		0.4307	ug/L	0.1949	45.25	9.394
Cr2677_A		0.04023	ug/L	0.3611	897.7	5.958
Cu3273_A		-0.02062	ug/L	0.5703	2,766	1.698
Fe2599_R		2.096	ug/L	6.769	323.0	4.253
K_7664_R		16.36	ug/L	19.88	121.5	-38.12
Li6707_R		0.4648	ug/L	2.751	591.8	10.19
Mg2025_A		6.559	ug/L	3.305	50.39	0.3437
Mn2576_R		1.046	ug/L	1.365	130.5	1.813
Mo2020_A		-0.7634	ug/L	0.4371	57.26	4.729
Na5895_R		9.342	ug/L	41.73	446.7	-89.83
Ni2316_A		0.3997	ug/L	0.3146	78.71	0.2961
Pb2203_A		-0.3910	ug/L	0.005259	1.345	-0.8573
Sb2068_A		-0.8005	ug/L	1.081	135.1	1.032
Se1960_A		0.1354	ug/L	0.8799	650.1	-0.6162
Si2516_R		18.23	ug/L	24.22	132.9	5.781
Sn1899_A		-0.3606	ug/L	0.6479	179.7	0.2137
Sr4215_R		0.2287	ug/L	0.2843	124.3	-28.02
Ti3349_A		0.2616	ug/L	0.5627	215.1	-5.783
Tl1908_A		-0.1723	ug/L	0.5740	333.1	0.1852
V_2924_A		-0.4296	ug/L	0.3309	77.04	-4.818
Zn2062_A		-0.1021	ug/L	0.1208	118.2	1.244
Y_3600_R		7,768.5	Cts/S	214.03	2.7551	7,768.5
Y_2243_A		6,355.8	Cts/S	7.6202	0.11989	6,355.8
Y_3600_A		188,350	Cts/S	3,184.8	1.6909	188,350

SG5265-001P

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:40:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		47.01	ug/L	0.6863	1.460	519.5
Al3961_R	W	70,140	ug/L	227.0	0.3236	22,040
As1891_A		117.0	ug/L	0.01265	0.01081	24.99
Au2427_A		-0.03905	ug/L	2.429	6,220	29.89
B_2089_A		442.0	ug/L	0.9756	0.2207	381.1
Ba4554_R	W	1,923	ug/L	2.596	0.1349	42,830
Be3130_R		48.49	ug/L	0.09977	0.2058	1,589
Ca3158_R		7,708	ug/L	93.92	1.218	3,856
Cd2265_A		224.6	ug/L	1.485	0.6610	2,883
Co2286_A		467.8	ug/L	1.858	0.3972	1,509
Cr2677_A		256.0	ug/L	4.640	1.812	3,343
Cu3273_A		281.3	ug/L	4.743	1.686	3,453
Fe2599_R	W	78,470	ug/L	204.8	0.2609	45,790
K_7664_R		13,690	ug/L	84.27	0.6156	5,858
Li6707_R		532.3	ug/L	7.368	1.384	3,533
Mg2025_A		11,190	ug/L	79.75	0.7129	2,099
Mn2576_R	W	1,196	ug/L	8.201	0.6855	3,734
Mo2020_A		269.4	ug/L	1.282	0.4757	483.3

SG5265-001P

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:40:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		7,648	ug/L	111.4	1.457	7,606
Ni2316_A		516.3	ug/L	3.756	0.7274	870.1
Pb2203_A	W	1,069	ug/L	5.099	0.4770	998.9
Sb2068_A		76.73	ug/L	2.046	2.666	23.30
Se1960_A		91.47	ug/L	2.898	3.168	13.79
Si2516_R		5,270	ug/L	16.05	0.3046	812.0
Sn1899_A		480.7	ug/L	5.113	1.064	213.9
Sr4215_R		506.4	ug/L	4.740	0.9359	14,980
Ti3349_A	W	5,415	ug/L	131.7	2.433	128,600
Tl1908_A		85.77	ug/L	0.08964	0.1045	33.24
V_2924_A		721.2	ug/L	11.91	1.652	8,622
Zn2062_A		606.5	ug/L	2.292	0.3778	1,671
Y_3600_R		8,035.6	Cts/S	58.019	0.72203	8,035.6
Y_2243_A		6,355.3	Cts/S	32.244	0.50736	6,355.3
Y_3600_A		187,820	Cts/S	2,663.1	1.4179	187,820

PBWGG25ICW1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:45:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	k	0.3978	ug/L	0.07643	19.21	-23.66
Al3961_R	s	49.83	ug/L	26.13	52.45	-6.011
As1891_A	k	2.645	ug/L	0.5603	21.18	-1.356
Au2427_A	k	0.005237	ug/L	0.1455	2,778	0.4875
B_2089_A	k	-6.120	ug/L	0.1445	2.361	4.229
Ba4554_R	s	0.3802	ug/L	0.2160	56.82	-10.97
Be3130_R	s	0.009728	ug/L	0.005345	54.94	-15.33
Ca3158_R	s	16.17	ug/L	0.8321	5.147	1.616
Cd2265_A	k	-0.01398	ug/L	0.003728	26.67	-0.5382
Co2286_A	k	-1.274	ug/L	0.03521	2.764	9.306
Cr2677_A	k	-0.07593	ug/L	0.08935	117.7	9.744
Cu3273_A	k	1.204	ug/L	0.2660	22.08	39.09
Fe2599_R	s	-2.807	ug/L	1.540	54.88	2.830
K_7664_R	s	55.97	ug/L	36.97	66.05	-35.81
Li6707_R	s	-0.8159	ug/L	0.6838	83.82	3.355
Mg2025_A	k	1.784	ug/L	1.990	111.5	-1.348
Mn2576_R	s	0.3579	ug/L	0.3381	94.47	-0.5001
Mo2020_A	k	-3.016	ug/L	0.09379	3.110	1.680
Na5895_R	s	9.427	ug/L	20.04	212.6	-156.6
Ni2316_A	k	0.2931	ug/L	0.1252	42.72	0.2587
Pb2203_A	k	0.2972	ug/L	0.5952	200.3	-0.4876
Sb2068_A	k	-3.056	ug/L	1.265	41.40	0.8535
Se1960_A	k	1.469	ug/L	0.8543	58.16	-0.9224
Si2516_R	s	-0.6210	ug/L	4.126	664.4	5.083
Sn1899_A		-0.6300	ug/L	0.1798	28.54	0.2150
Sr4215_R	s	0.3051	ug/L	0.1634	53.56	-45.11
Ti3349_A	k	0.3018	ug/L	0.2410	79.84	-10.96
Tl1908_A	k	-0.9471	ug/L	0.8537	90.14	-0.3249
V_2924_A	k	-0.2264	ug/L	0.1137	50.24	-5.103
Zn2062_A	k	-0.3030	ug/L	0.02546	8.404	1.578
Y_3600_R	^	0.00000	Cts/S	0.00000	0.00000	13,694
Y_2243_A		14,512	Cts/S	95.116	0.65542	14,512
Y_3600_A		417,120	Cts/S	478.61	0.11474	417,120

LCSWGG25ICW1

Method Name: K6010-2011 Method Revision: 851

LCSWGG25ICW1

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:49:39PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		54.42	ug/L	0.1514	0.2781	1,035
Al3961_R		1,994	ug/L	23.54	1.181	615.4
As1891_A		96.89	ug/L	0.1661	0.1715	22.91
Au2427_A		0.04554	ug/L	2.259	4,961	-1.324
B_2089_A		522.3	ug/L	2.923	0.5596	450.6
Ba4554_R		1,968	ug/L	28.37	1.442	44,120
Be3130_R		49.70	ug/L	0.3981	0.8011	1,761
Ca3158_R		2,524	ug/L	25.74	1.020	1,266
Cd2265_A		256.9	ug/L	0.7714	0.3003	3,246
Co2286_A		522.1	ug/L	2.339	0.4481	1,651
Cr2677_A		201.9	ug/L	1.217	0.6027	2,682
Cu3273_A		258.6	ug/L	0.2632	0.1018	3,388
Fe2599_R		968.6	ug/L	6.433	0.6642	572.5
K_7664_R		10,240	ug/L	117.4	1.146	4,402
Li6707_R		506.6	ug/L	6.334	1.250	3,386
Mg2025_A		5,549	ug/L	30.69	0.5531	1,059
Mn2576_R		495.4	ug/L	6.318	1.275	1,555
Mo2020_A		268.7	ug/L	7.865	2.927	485.4
Na5895_R		7,733	ug/L	69.45	0.8981	7,745
Ni2316_A		543.2	ug/L	0.9435	0.1737	926.2
Pb2203_A		107.0	ug/L	1.145	1.070	100.4
Sb2068_A		103.6	ug/L	1.508	1.456	30.62
Se1960_A		98.26	ug/L	1.819	1.851	15.20
Si2516_R		4,777	ug/L	52.48	1.098	742.8
Sn1899_A		507.6	ug/L	0.7148	0.1408	227.4
Sr4215_R		505.6	ug/L	4.682	0.9260	15,060
Ti3349_A		500.3	ug/L	4.238	0.8471	12,080
Tl1908_A		103.1	ug/L	1.632	1.583	43.61
V_2924_A		527.2	ug/L	2.827	0.5363	6,371
Zn2062_A		517.5	ug/L	1.946	0.3761	1,436
Y_3600_R		8,091.9	Cts/S	101.67	1.2564	8,091.9
Y_2243_A		6,399.1	Cts/S	9.7415	0.15223	6,399.1
Y_3600_A		191,110	Cts/S	1,916.8	1.0030	191,110

SG5242-009R

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:54:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.5425	ug/L	0.006742	1.243	-30.26
Al3961_R		209.1	ug/L	27.65	13.22	45.62
As1891_A		2.082	ug/L	0.2628	12.62	-0.7248
Au2427_A		-0.4023	ug/L	0.7503	186.5	-9.577
B_2089_A		-1.332	ug/L	0.3202	24.04	5.704
Ba4554_R		10.93	ug/L	0.3679	3.368	226.3
Be3130_R		0.3079	ug/L	0.04622	15.01	1.633
Ca3158_R	W	165,500	ug/L	2,089	1.262	82,320
Cd2265_A		0.7665	ug/L	0.05157	6.728	9.691
Co2286_A		80.37	ug/L	0.01111	0.01382	248.4
Cr2677_A		1.233	ug/L	0.09984	8.098	23.54
Cu3273_A		7.415	ug/L	0.4222	5.694	93.55
Fe2599_R		722.0	ug/L	4.550	0.6302	421.2
K_7664_R		6,146	ug/L	5.877	0.09563	2,583
Li6707_R		22.73	ug/L	1.707	7.509	157.0
Mg2025_A	W	37,130	ug/L	111.3	0.2997	6,630
Mn2576_R	W	2,195	ug/L	33.21	1.513	6,792
Mo2020_A		2.502	ug/L	0.9971	39.84	10.10

SG5242-009R

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:54:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R		6,218	ug/L	89.82	1.445	6,116
Ni2316_A		8.132	ug/L	0.2521	3.100	12.81
Pb2203_A		-0.8557	ug/L	0.4395	51.37	-1.252
Sb2068_A		-0.9797	ug/L	1.948	198.8	0.9285
Se1960_A		1.135	ug/L	0.5228	46.06	-0.1799
Si2516_R		6,071	ug/L	55.71	0.9176	928.4
Sn1899_A		3.928	ug/L	0.2640	6.722	2.034
Sr4215_R		889.3	ug/L	16.92	1.903	26,120
Ti3349_A		0.9288	ug/L	0.04589	4.941	9.577
Tl1908_A		-0.7568	ug/L	1.170	154.6	-1.489
V_2924_A		4.638	ug/L	0.6193	13.35	-9.813
Zn2062_A		109.2	ug/L	0.2808	0.2572	290.2
Y_3600_R		7,971.4	Cts/S	36.535	0.45832	7,971.4
Y_2243_A		6,101.6	Cts/S	22.227	0.36428	6,101.6
Y_3600_A		179,600	Cts/S	1,577.5	0.87834	179,600

SG5242-010R

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 7:58:35PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.08396	ug/L	0.07990	95.17	-21.84
Al3961_R		211.5	ug/L	25.12	11.88	46.22
As1891_A		1.592	ug/L	1.493	93.81	-0.8385
Au2427_A		-2.931	ug/L	0.8192	27.95	-17.07
B_2089_A		-2.675	ug/L	0.4810	17.98	4.496
Ba4554_R		10.90	ug/L	0.1744	1.600	225.4
Be3130_R		0.1239	ug/L	0.01640	13.24	-4.818
Ca3158_R	W	164,400	ug/L	2,710	1.649	81,580
Cd2265_A		0.8123	ug/L	0.1030	12.68	10.18
Co2286_A		81.77	ug/L	0.2836	0.3469	251.5
Cr2677_A		1.555	ug/L	0.1903	12.24	27.64
Cu3273_A		6.066	ug/L	0.3969	6.542	77.22
Fe2599_R		697.6	ug/L	17.33	2.484	406.3
K_7664_R		6,057	ug/L	46.46	0.7671	2,541
Li6707_R		24.51	ug/L	2.171	8.857	168.4
Mg2025_A	W	37,450	ug/L	120.1	0.3207	6,659
Mn2576_R	W	2,181	ug/L	31.19	1.430	6,737
Mo2020_A		-1.535	ug/L	0.2578	16.80	3.212
Na5895_R		6,201	ug/L	91.12	1.469	6,087
Ni2316_A		8.033	ug/L	0.3340	4.158	12.59
Pb2203_A		8.534	ug/L	0.6940	8.132	7.205
Sb2068_A		-0.9622	ug/L	1.453	151.0	0.9382
Se1960_A		2.122	ug/L	0.7409	34.92	-0.02999
Si2516_R		5,986	ug/L	78.57	1.313	913.8
Sn1899_A		1.951	ug/L	0.2454	12.58	1.186
Sr4215_R		882.6	ug/L	14.24	1.614	25,870
Ti3349_A		-0.03768	ug/L	0.3067	813.9	-12.43
Tl1908_A		-1.273	ug/L	0.7320	57.48	-1.678
V_2924_A		4.637	ug/L	0.1177	2.539	-9.093
Zn2062_A		123.2	ug/L	0.9189	0.7459	325.8
Y_3600_R		7,957.4	Cts/S	30.718	0.38603	7,957.4
Y_2243_A		6,076.2	Cts/S	0.31818	0.0052365	6,076.2
Y_3600_A		180,390	Cts/S	2,765.4	1.5331	180,390

SG5309-001

Method Name: K6010-2011 Method Revision: 851

SG5309-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:03:04PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		1.152	ug/L	0.02936	2.548	3.511
Al3961_R		102.4	ug/L	31.53	30.77	12.29
As1891_A		2.304	ug/L	0.5982	25.97	-0.6672
Au2427_A		-1.525	ug/L	0.5439	35.67	-4.535
B_2089_A		17.87	ug/L	0.3219	1.801	21.29
Ba4554_R		2.279	ug/L	0.3103	13.62	35.15
Be3130_R		0.1075	ug/L	0.01348	12.54	-5.465
Ca3158_R		1,126	ug/L	7.156	0.6356	552.1
Cd2265_A		0.05144	ug/L	0.006142	11.94	0.6008
Co2286_A		0.1955	ug/L	0.02635	13.48	8.509
Cr2677_A		0.4368	ug/L	0.3246	74.31	10.85
Cu3273_A		86.02	ug/L	0.5362	0.6233	1,090
Fe2599_R		51.06	ug/L	3.518	6.889	32.72
K_7664_R		1,256	ug/L	47.25	3.762	491.0
Li6707_R		-1.297	ug/L	1.017	78.43	-0.8758
Mg2025_A		369.3	ug/L	7.827	2.120	66.53
Mn2576_R		13.51	ug/L	0.7188	5.320	40.45
Mo2020_A		-2.014	ug/L	0.1041	5.171	2.466
Na5895_R	W	56,610	ug/L	783.1	1.383	56,440
Ni2316_A		11.96	ug/L	0.2210	1.848	19.50
Pb2203_A		2.536	ug/L	0.1331	5.247	1.845
Sb2068_A		-0.6276	ug/L	0.2669	42.52	0.9454
Se1960_A		0.5125	ug/L	1.981	386.6	-0.5448
Si2516_R		193.3	ug/L	16.19	8.375	32.53
Sn1899_A		41.27	ug/L	0.6708	1.625	18.37
Sr4215_R		9.301	ug/L	0.2939	3.160	237.7
Ti3349_A		0.02277	ug/L	0.1004	440.8	-11.32
Tl1908_A		-0.7723	ug/L	0.5210	67.46	-0.08038
V_2924_A		-0.2308	ug/L	0.05353	23.19	-2.659
Zn2062_A		11.43	ug/L	0.08864	0.7755	32.40
Y_3600_R		7,962.5	Cts/S	24.595	0.30888	7,962.5
Y_2243_A		6,239.3	Cts/S	0.79069	0.012673	6,239.3
Y_3600_A		183,760	Cts/S	429.70	0.23384	183,760

SG5328-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:07:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.4529	ug/L	0.06189	13.67	-34.25
Al3961_R		1,156	ug/L	16.37	1.417	338.9
As1891_A		25.30	ug/L	0.2150	0.8496	4.795
Au2427_A		-1.244	ug/L	1.353	108.8	-3.996
B_2089_A		30.45	ug/L	0.4842	1.591	31.44
Ba4554_R		44.12	ug/L	0.4925	1.116	954.0
Be3130_R		0.3566	ug/L	0.08965	25.14	2.562
Ca3158_R		23,910	ug/L	674.5	2.821	11,810
Cd2265_A		5.220	ug/L	0.04774	0.9146	65.13
Co2286_A		0.7569	ug/L	0.1828	24.16	10.40
Cr2677_A		9.525	ug/L	0.1978	2.077	125.3
Cu3273_A		47.46	ug/L	0.6396	1.348	592.5
Fe2599_R		2,030	ug/L	37.07	1.827	1,171
K_7664_R		9,229	ug/L	157.0	1.701	3,878
Li6707_R		7.567	ug/L	1.247	16.47	56.97
Mg2025_A		4,946	ug/L	32.54	0.6579	893.3
Mn2576_R		313.0	ug/L	5.951	1.901	961.4
Mo2020_A		5.979	ug/L	0.5808	9.715	16.21

SG5328-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:07:37PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	W	80,300	ug/L	2,616	3.258	79,680
Ni2316_A		5.563	ug/L	0.1971	3.543	8.697
Pb2203_A		473.9	ug/L	3.563	0.7519	432.9
Sb2068_A		1.011	ug/L	0.2783	27.53	1.543
Se1960_A		-2.233	ug/L	0.01074	0.4809	-0.9360
Si2516_R		15,050	ug/L	335.9	2.231	2,283
Sn1899_A		1.872	ug/L	0.1673	8.937	1.172
Sr4215_R		130.4	ug/L	3.623	2.779	3,774
Ti3349_A		31.66	ug/L	0.1159	0.3661	713.8
Tl1908_A		-1.523	ug/L	0.9332	61.26	-0.6050
V_2924_A		4.497	ug/L	0.3035	6.748	42.80
Zn2062_A		266.9	ug/L	1.742	0.6526	716.1
Y_3600_R		7,922.6	Cts/S	111.68	1.4096	7,922.6
Y_2243_A		6,178.7	Cts/S	28.517	0.46154	6,178.7
Y_3600_A		181,130	Cts/S	969.99	0.53553	181,130

PBWGG24ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:12:07PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2552	ug/L	0.2705	106.0	-23.26
Al3961_R		30.33	ug/L	22.38	73.78	-9.986
As1891_A		-0.2441	ug/L	1.294	530.3	-1.297
Au2427_A		-0.4090	ug/L	0.7577	185.3	-1.073
B_2089_A		-4.146	ug/L	0.1106	2.667	3.442
Ba4554_R		0.3452	ug/L	0.2687	77.84	-7.364
Be3130_R		0.1946	ug/L	0.06852	35.21	-2.347
Ca3158_R	F	139.5	ug/L	4.361	3.126	60.82
Cd2265_A		-0.05820	ug/L	0.08528	146.5	-0.7591
Co2286_A		-0.03594	ug/L	0.1202	334.5	7.870
Cr2677_A		0.1602	ug/L	0.2501	156.2	7.456
Cu3273_A		1.147	ug/L	0.1242	10.83	16.83
Fe2599_R		29.83	ug/L	2.157	7.231	20.01
K_7664_R		-34.27	ug/L	31.63	92.30	-59.31
Li6707_R		3.068	ug/L	0.6066	19.77	27.17
Mg2025_A	W	53.31	ug/L	2.145	4.024	8.937
Mn2576_R		0.9756	ug/L	0.9812	100.6	1.656
Mo2020_A		-1.990	ug/L	0.09606	4.827	2.533
Na5895_R		83.78	ug/L	5.608	6.694	-17.92
Ni2316_A		-0.006800	ug/L	0.2367	3,481	-0.3939
Pb2203_A		0.4473	ug/L	0.7748	173.2	-0.06703
Sb2068_A		-0.4248	ug/L	1.856	436.9	1.135
Se1960_A		-1.580	ug/L	1.606	101.6	-0.8824
Si2516_R		20.14	ug/L	9.629	47.82	6.031
Sn1899_A		-0.3104	ug/L	0.1906	61.40	0.2337
Sr4215_R		0.4204	ug/L	0.05187	12.34	-22.70
Ti3349_A		0.01815	ug/L	0.6088	3,354	-11.65
Tl1908_A		-2.226	ug/L	0.1115	5.007	-0.6735
V_2924_A		-0.3527	ug/L	0.5326	151.0	-3.785
Zn2062_A		1.117	ug/L	0.05309	4.754	4.562
Y_3600_R		7,790.1	Cts/S	31.643	0.40620	7,790.1
Y_2243_A		6,302.6	Cts/S	24.323	0.38592	6,302.6
Y_3600_A		187,580	Cts/S	181.07	0.096530	187,580

LCSWGG24ICW2

Method Name: K6010-2011 Method Revision: 851

LCSWGG24ICW2

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:16:40PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		55.38	ug/L	0.3460	0.6246	1,008
Al3961_R		2,092	ug/L	44.72	2.138	622.0
As1891_A		98.20	ug/L	0.8606	0.8764	22.63
Au2427_A		-0.6739	ug/L	0.3013	44.70	-3.572
B_2089_A		515.9	ug/L	0.2349	0.04553	434.7
Ba4554_R		2,071	ug/L	5.805	0.2803	44,660
Be3130_R		52.49	ug/L	0.3439	0.6552	1,789
Ca3158_R		2,679	ug/L	12.11	0.4519	1,293
Cd2265_A		261.8	ug/L	0.1731	0.06612	3,220
Co2286_A		534.8	ug/L	1.055	0.1972	1,647
Cr2677_A		209.4	ug/L	0.3139	0.1499	2,663
Cu3273_A		266.1	ug/L	0.09777	0.03674	3,337
Fe2599_R		1,046	ug/L	8.949	0.8553	594.3
K_7664_R		10,750	ug/L	22.15	0.2061	4,444
Li6707_R		544.9	ug/L	0.4516	0.08288	3,502
Mg2025_A		5,436	ug/L	5.541	0.1019	1,011
Mn2576_R		522.6	ug/L	1.693	0.3240	1,578
Mo2020_A		310.1	ug/L	1.178	0.3798	544.4
Na5895_R		8,243	ug/L	0.1003	0.001217	7,945
Ni2316_A		554.5	ug/L	0.6966	0.1256	920.3
Pb2203_A		108.6	ug/L	0.7654	0.7050	99.11
Sb2068_A		104.8	ug/L	1.772	1.691	30.07
Se1960_A		100.6	ug/L	2.870	2.853	15.17
Si2516_R		5,045	ug/L	13.71	0.2717	754.2
Sn1899_A		534.4	ug/L	0.8120	0.1519	233.1
Sr4215_R		539.2	ug/L	2.304	0.4273	15,440
Ti3349_A		534.0	ug/L	0.2783	0.05211	12,350
Tl1908_A		102.7	ug/L	1.095	1.066	42.28
V_2924_A		550.9	ug/L	0.8923	0.1620	6,370
Zn2062_A		522.5	ug/L	0.9966	0.1907	1,411
Y_3600_R		7,781.1	Cts/S	33.343	0.42852	7,781.1
Y_2243_A		6,229.2	Cts/S	5.5523	0.089134	6,229.2
Y_3600_A		182,950	Cts/S	422.71	0.23106	182,950

SG5203-001T

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:21:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2929	ug/L	0.0009391	0.3207	-47.47
Al3961_R		100.7	ug/L	2.653	2.635	11.40
As1891_A		-0.1146	ug/L	1.102	961.2	-1.412
Au2427_A		-0.9554	ug/L	1.028	107.6	-3.494
B_2089_A		21.89	ug/L	0.8682	3.966	23.42
Ba4554_R		83.92	ug/L	0.5918	0.7053	1,787
Be3130_R		0.3566	ug/L	0.009169	2.572	3.236
Ca3158_R		6,461	ug/L	68.07	1.054	3,115
Cd2265_A		0.1548	ug/L	0.001095	0.7077	6.603
Co2286_A		15.77	ug/L	0.06978	0.4425	53.83
Cr2677_A		0.9148	ug/L	0.1467	16.03	17.12
Cu3273_A		0.5223	ug/L	0.05400	10.34	7.575
Fe2599_R		6,908	ug/L	59.92	0.8675	3,888
K_7664_R		2,257	ug/L	12.23	0.5419	893.6
Li6707_R		5.521	ug/L	0.9663	17.50	42.74
Mg2025_A		2,869	ug/L	24.75	0.8625	499.5
Mn2576_R		948.0	ug/L	6.134	0.6471	2,850
Mo2020_A		-2.269	ug/L	0.1774	7.815	1.928

SG5203-001T

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:21:06PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Na5895_R	F	286,800	ug/L	6,867	2.395	278,500
Ni2316_A		25.25	ug/L	0.3917	1.551	39.36
Pb2203_A		154.6	ug/L	0.1483	0.09594	136.0
Sb2068_A		-0.8018	ug/L	0.7010	87.43	0.9591
Se1960_A		-0.1386	ug/L	4.702	3,393	-0.5124
Si2516_R		717.6	ug/L	10.57	1.473	109.1
Sn1899_A		0.06147	ug/L	0.2705	440.0	0.3761
Sr4215_R		57.36	ug/L	0.08002	0.1395	1,605
Ti3349_A		-0.4627	ug/L	0.3012	65.10	-21.03
Tl1908_A		-1.703	ug/L	0.5727	33.62	-1.048
V_2924_A		1.640	ug/L	0.4384	26.73	-5.909
Zn2062_A	W	1,125	ug/L	7.636	0.6785	2,906
Y_3600_R		7,745.9	Cts/S	133.02	1.7174	7,745.9
Y_2243_A		5,955.2	Cts/S	34.970	0.58721	5,955.2
Y_3600_A		170,820	Cts/S	894.11	0.52342	170,820

CCV

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:25:39PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A	W	527.7	ug/L	1.315	0.2492	9,714
Al3961_R		12,770	ug/L	109.7	0.8594	3,822
As1891_A		496.0	ug/L	6.813	1.374	117.1
Au2427_A		513.8	ug/L	0.2368	0.04608	1,563
B_2089_A		510.7	ug/L	3.147	0.6161	431.3
Ba4554_R		499.9	ug/L	1.939	0.3880	10,620
Be3130_R		502.9	ug/L	2.577	0.5125	17,020
Ca3158_R		12,740	ug/L	35.17	0.2762	6,088
Cd2265_A		523.4	ug/L	3.006	0.5743	6,365
Co2286_A		516.2	ug/L	4.924	0.9539	1,570
Cr2677_A		507.0	ug/L	1.201	0.2370	6,395
Cu3273_A		509.1	ug/L	0.4950	0.09722	6,355
Fe2599_R		12,550	ug/L	13.75	0.1096	6,995
K_7664_R		13,110	ug/L	48.02	0.3663	5,354
Li6707_R	W	533.5	ug/L	3.379	0.6334	3,381
Mg2025_A	W	13,370	ug/L	58.48	0.4374	2,426
Mn2576_R		507.9	ug/L	4.732	0.9318	1,512
Mo2020_A		511.7	ug/L	5.565	1.088	883.5
Na5895_R	W	13,420	ug/L	54.86	0.4089	12,820
Ni2316_A	W	540.3	ug/L	3.006	0.5565	885.4
Pb2203_A	W	528.2	ug/L	2.093	0.3962	478.7
Sb2068_A		498.5	ug/L	4.936	0.9902	142.0
Se1960_A		505.4	ug/L	9.654	1.910	77.49
Si2516_R		12,750	ug/L	3.854	0.03022	1,874
Sn1899_A		524.4	ug/L	4.203	0.8014	225.9
Sr4215_R		524.6	ug/L	2.846	0.5425	14,810
Ti3349_A		519.0	ug/L	2.014	0.3881	11,930
Tl1908_A		521.0	ug/L	5.451	1.046	212.1
V_2924_A	W	534.9	ug/L	0.5304	0.09916	6,111
Zn2062_A		511.5	ug/L	4.101	0.8018	1,363
Y_3600_R		7,672.4	Cts/S	36.094	0.47044	7,672.4
Y_2243_A		6,151.5	Cts/S	21.331	0.34677	6,151.5
Y_3600_A		181,750	Cts/S	508.69	0.27989	181,750

CCB

Method Name: K6010-2011 Method Revision: 851

CCB

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:30:00PM Sample Type: QC

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.3789	ug/L	0.3030	79.96	-25.53
Al3961_R		28.75	ug/L	24.46	85.07	-10.31
As1891_A		0.6080	ug/L	0.3757	61.79	-1.076
Au2427_A		0.1826	ug/L	1.185	649.1	0.7505
B_2089_A		-4.496	ug/L	0.2464	5.480	3.152
Ba4554_R		0.1887	ug/L	0.3303	175.1	-10.59
Be3130_R		0.1835	ug/L	0.08707	47.46	-2.685
Ca3158_R		14.09	ug/L	10.74	76.19	-0.1420
Cd2265_A		0.07508	ug/L	0.08558	114.0	0.8698
Co2286_A		0.1767	ug/L	0.08563	48.46	8.447
Cr2677_A		-0.1884	ug/L	0.1491	79.14	2.916
Cu3273_A		0.3328	ug/L	0.4999	150.2	6.300
Fe2599_R		2.443	ug/L	0.08518	3.487	4.440
K_7664_R		61.22	ug/L	47.20	77.10	-18.94
Li6707_R		1.037	ug/L	0.7411	71.45	13.89
Mg2025_A		3.048	ug/L	1.172	38.47	-0.3146
Mn2576_R		0.2723	ug/L	1.368	502.5	-0.4375
Mo2020_A		-1.092	ug/L	0.2718	24.89	4.070
Na5895_R		-1.542	ug/L	29.75	1,929	-99.48
Ni2316_A		-0.1560	ug/L	0.07777	49.84	-0.6340
Pb2203_A		-0.8187	ug/L	0.6092	74.41	-1.239
Sb2068_A		-1.930	ug/L	0.9074	47.01	0.6909
Se1960_A		-1.285	ug/L	2.111	164.3	-0.8274
Si2516_R		17.00	ug/L	6.113	35.95	5.469
Sn1899_A		-0.8411	ug/L	0.1378	16.38	0.000001062
Sr4215_R		-0.1549	ug/L	0.2030	131.1	-38.63
Ti3349_A		0.5133	ug/L	0.1342	26.15	0.09941
Tl1908_A		-1.409	ug/L	0.07430	5.274	-0.3288
V_2924_A		-0.2728	ug/L	0.04115	15.09	-2.885
Zn2062_A		-0.04992	ug/L	0.09797	196.3	1.363
Y_3600_R		7,663.1	Cts/S	77.669	1.0135	7,663.1
Y_2243_A		6,239.5	Cts/S	14.214	0.22781	6,239.5
Y_3600_A		187,560	Cts/S	568.72	0.30322	187,560

SG5242-001

Method Name: K6010-2011 Method Revision: 851
Analyst Name: EAM
Acquire Date: 7/29/2013 8:34:33PM Sample Type: Unknown

Elem	Flags	Avg	Units	Stddev	%RSD	Intensity Ratio
Ag3280_A		-0.2657	ug/L	0.008080	3.041	-24.21
Al3961_R		105.1	ug/L	16.70	15.88	12.79
As1891_A		0.03696	ug/L	0.04766	129.0	-1.235
Au2427_A		-0.3962	ug/L	0.4344	109.6	-1.011
B_2089_A		-2.841	ug/L	1.031	36.29	4.515
Ba4554_R		0.3469	ug/L	0.8280	238.7	-7.276
Be3130_R		0.1217	ug/L	0.02105	17.29	-4.923
Ca3158_R		211.9	ug/L	2.174	1.026	95.65
Cd2265_A		0.05151	ug/L	0.03143	61.02	0.7111
Co2286_A		0.2796	ug/L	0.02422	8.662	8.894
Cr2677_A		1.496	ug/L	0.4791	32.02	24.97
Cu3273_A		3.624	ug/L	0.5305	14.64	48.89
Fe2599_R		178.0	ug/L	10.25	5.756	103.5
K_7664_R		60.90	ug/L	34.12	56.03	-19.40
Li6707_R		1.293	ug/L	3.713	287.2	15.70
Mg2025_A		52.90	ug/L	1.081	2.044	8.884
Mn2576_R		12.09	ug/L	0.5878	4.861	35.16
Mo2020_A		-2.097	ug/L	0.1354	6.458	2.349

Logbooks and Supporting Documents

REISSUE

Katahdin Analytical Services, Inc. — **Metals Preparation Benchsheet**

Reagent Information:
HNO3: 042514 HCL: 035187 H2O2: 209AP7248 **Method:** 3050H

LCS / Spike — **LCS/Spiking Information:**

- [x] [x] CLPP-SPK-1 (ID/Vol): MSI792 / 0.1 mL
- [x] [x] CLPP-SPK-INT1 (ID/Vol): MW14316 / 1.0 mL
- [x] [x] CLPP-SPK-INT2 (ID/Vol): MW14317 / 1.0 mL
- [ ] [ ] Uranium Spike (ID/Vol): N/A / mL
- [ ] [ ] CLPP-SPK-4 (ID/Vol): ↓ / mL

LCSS: N/A Balance ID: BU108

Hot Plate/Block ID: B
Start Time/Temp.: 1041 / 96 °C
End Time/Temp.: 1557 / 98 °C
Thermometer ID/Pos.: 92C18 / 2:7

Filter Paper: 9509087A

REVIEWED
Sm 072413
KATAHDIN ANALYTICAL METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LCSOGG23ICS1	GG23ICS1	1.0	g	0.10	L	SL	IC	HHM	07/23/2013	N/A	N/A	N/A	N/A		
PBSGG23ICS1	GG23ICS1	1.0	g		L	SL	IC	HHM	07/23/2013	N/A	N/A	N/A	N/A		
SG4790-001	GG23ICS1	1.31	g		L	SL	IC	HHM	07/23/2013						A
SG4790-002	GG23ICS1	1.28	g		L	SL	IC	HHM	07/23/2013						
SG4790-005	GG23ICS1	1.70	g		L	SL	IC	HHM	07/23/2013						
SG4790-006	GG23ICS1	1.45	g		L	SL	IC	HHM	07/23/2013						
SG4790-006P	GG23ICS1	1.50	g		L	SL	IC	HHM	07/23/2013						
SG4790-006S	GG23ICS1	1.46	g		L	SL	IC	HHM	07/23/2013						
SG4790-007	GG23ICS1	1.25	g		L	SL	IC	HHM	07/23/2013						
SG4790-008	GG23ICS1	1.65	g		L	SL	IC	HHM	07/23/2013						
SG4790-009	GG23ICS1	1.71	g		L	SL	IC	HHM	07/23/2013						
SG4790-013	GG23ICS1	1.53	g		L	SL	IC	HHM	07/23/2013						
SG4790-015	GG23ICS1	1.52	g		L	SL	IC	HHM	07/23/2013						
SG4876-004	GG23ICS1	1.46	g		L	SL	IC	HHM	07/23/2013						
SG4876-009	GG23ICS1	1.47	g		L	SL	IC	HHM	07/23/2013						
~~SG5090-002~~	~~GG23ICS1~~		g		L	FP	IC	HHM	07/23/2013						
SG5090-004	GG23ICS1	1.03	g	0.10	L	FP	IC	HHM	07/23/2013						A

HHM 7-23-13

HHM 7-23-13

QA-065-Revision 1 - 09/23/2010 Digestion performed by: HHM On: 7-23-13 **Page:** GG088 **Revision:** 00

Katahdin Analytical Services 4000199

REISSUE

Katahdin Analytical Services, Inc. — **Metals Preparation Benchsheet**

Reagent Information:
HNO3: 0412524 HCL: 035187 H2O2: 209AP7248 **Method:** 3050H

LCS / Spike — LCS/Spiking Information:

- [x] [x] CLPP-SPK-1 (ID/Vol): MS1724 / 0.1 mL
- [x] [x] CLPP-SPK-INT1 (ID/Vol): MW14316 / 1.0 mL
- [x] [x] CLPP-SPK-INT2 (ID/Vol): MW14317 / 1.0 mL
- [ ] [ ] Uranium Spike (ID/Vol): N/A / mL
- [ ] [ ] CLPP-SPK-4 (ID/Vol): ↓ / mL

LCSS: N/A Balance ID: Bal 108

Hot Plate/Block ID: B
Start Time/Temp.: 1041 / 98 °C
End Time/Temp.: 1548 / 95 °C
Thermometer ID/Pos.: ARC18 / 6.5

Filter Paper: 9509087A

REVIEWED
DT 7/25/13
KATAHDIN ANALYTICAL
METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LCSOGG24ICS1	GG24ICS1	1.0	g	0.1 ~~0.0~~	L HHM 7-24-13	SL	IC	HHM	07/24/2013	N/A	N/A	N/A	N/A		
PBSGG24ICS1	GG24ICS1	1.0	g	0.1	L	SL	IC	HHM	07/24/2013	N/A	N/A	N/A	N/A		
SG5238-001	GG24ICS1	1.34	g		L	SL	IC	HHM	07/24/2013						A
SG5265-001	GG24ICS1	1.44	g		L	SL	IC	HHM	07/24/2013						
HHM 7-24-13 SG5265-001PS	GG24ICS1	1.45	g		L	SL	IC	HHM	07/24/2013						HHM 7-24-13
~~SG5265-001S~~	~~GG24ICS1~~	~~1.55~~	~~g~~		~~L~~	~~SL~~	~~IC~~	~~HHM~~	~~07/24/2013~~						
SG5265-002	GG24ICS1	1.57	g	0.1	L	SL	IC	HHM	07/24/2013						A
SG5265-003	GG24ICS1	1.43	g		L	SL	IC	HHM	07/24/2013						
SG5265-004	GG24ICS1	1.49	g		L	SL	IC	HHM	07/24/2013						
SG5265-005	GG24ICS1	1.38	g		L	SL	IC	HHM	07/24/2013						
SG5265-006	GG24ICS1	1.57	g		L	SL	IC	HHM	07/24/2013						

HHM 7-24-13

Digestion performed by: HHM On: 7-24-13

Katahdin Analytical Services 4000200

REISSUE

Katahdin Analytical Services, Inc. **Metals Preparation Benchsheet**

Reagent Information:

HNO3: 42514 HCL: 35187 H2O2: 209AP7246 **Method:** 3050H

LCS / Spike **LCS/Spiking Information:**

- ☑ ☑ CLPP-SPK-1 (ID/Vol): MS1794 / 0.1 mL
- ☑ ☑ CLPP-SPK-INT1 (ID/Vol): MW14316 / 1.0 mL
- ☑ ☑ CLPP-SPK-INT2 (ID/Vol): MW14317 / 1.0 mL
- ☐ ☐ Uranium Spike (ID/Vol): N/A / mL
- ☐ ☐ CLPP-SPK-4 (ID/Vol): N/A / mL

LCSS: N/A Balance ID: BAL 08

Hot Plate/Block ID: A
Start Time/Temp.: 8:35 / 92 °C
End Time/Temp.: 14:50 / 97 °C
Thermometer ID/Pos.: ALC 18 / 1:7

Filter Paper: 081712

REVIEWED
EC 07/26/13
KATAHDIN ANALYTICAL METALS SECTION

Sample ID	Batch ID	Initial Wt/Vol	Initial Units	Final Vol	Final Units	MX	Meth	Anal.	Date	Initial Color	Initial Texture	Final Color	Final Clarity	Artifacts	Bottle
LCSOGG25ICS1	GG25ICS1	1.00	g	0.100	L	SL	IC	NAT	07/25/2013	N/A	N/A	N/A	N/A		
PBSGG25ICS1	GG25ICS1	1.00	g		L	SL	IC	NAT	07/25/2013	N/A	N/A	N/A	N/A		
SG5090-002	GG25ICS1	1.03	g		L	FP	IC	NAT	07/25/2013						A
SG5233-001	GG25ICS1	2.05	g		L	~~SL~~ T15	IC	NAT	07/25/2013						
SG5265-001D	GG25ICS1	1.22	g		L	SL	IC	NAT	07/25/2013						
SG5265-001P	GG25ICS1	1.25	g	✓	L	SL	IC	NAT	07/25/2013						✓

NT 7/25/13

Digestion performed by: NT On: 7/25/13

Katahdin Analytical Services 4000201

CONVENTIONAL AND PHYSICAL ANALYTICAL DATA

QC Summary Section

Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL	LOD
MBLANK	WG127498	SM2540	25-JUL-13	24-JUL-13	U 1 %	1 %	N/A

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG127498-2	LCS	WG127498	25-JUL-13	24-JUL-13	%	90	92.	102	80-120	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG127498-3	SG4790-1	WG127498	25-JUL-13	%	78.	76.	2	20

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://katahdinlab.com
sales@katahdinlab.com

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG127498-4	SG5265-6	WG127498	25-JUL-13	%	66.	65.	1	20

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://katahdinlab.com
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Sample Data Section

KATAHDIN ANALYTICAL SERVICES – INORGANIC DATA QUALIFIERS
(Refer to BOD Qualifiers Page for BOD footnotes)

The sampled date indicated on the attached Report(s) of Analysis (ROA) is the date for which a grab sample was collected or the date for which a composite sample was completed. Beginning and start times for composite samples can be found on the Chain-of-Custody.

U Indicates the compound was analyzed for but not detected above the specified level. This level may be the Limit of Quantitation (LOQ)(previously called Practical Quantitation Level (PQL)), the Limit of Detection (LOD) or Method Detection Limit (MDL) as required by the client.

Note: All results reported as "U" MDL have a 50% rate for false negatives compared to those results reported as "U" PQL/LOQ or "U" LOD, where the rate of false negatives is <1%.

E Estimated value. This flag identifies compounds whose concentrations exceed the upper level of the calibration range of the instrument for that specific analysis.

J Estimated value. The analyte was detected in the sample at a concentration less than the laboratory Limit of Quantitation (LOQ)(previously called Practical Quantitation Limit (PQL)), but above the Method Detection Limit (MDL).

I-7 The laboratory's Practical Quantitation Level could not be achieved for this parameter due to sample composition, matrix effects, sample volume, or quantity used for analysis.

A-4 Please refer to cover letter or narrative for further information.

MCL Maximum Contaminant Level

NL No limit

NFL No Free Liquid Present

FLP Free Liquid Present

NOD No Odor Detected

TON Threshold Odor Number

H_ Please note that the regulatory holding time for _____ is "analyze immediately". Ideally, this analysis must be performed in the field at the time of sample collection. _____ for this sample was not performed at the time of sample collection. The analysis was performed as soon as possible after receipt by the laboratory.

- H1 pH
- H2 DO
- H3 sulfite
- H4 residual chlorine

T1 The client did not provide the full volume of at least one liter for analysis of TSS. Therefore, the PQL of 2.5 mg/L could not be achieved.

T2 The client provided the required volume of at least one liter for analysis of TSS, but the laboratory could not filter the full one liter volume due to the sample matrix. Therefore, the PQL of 2.5 mg/L could not be achieved.

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-1
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS301-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	78. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:06:51	SM2540G	24-JUL-13	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-2
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS300-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	74. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:00	SM2540G	24-JUL-13	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-5
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS303-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	60. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:07	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-6
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS308-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	79. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:38	SM2540G	24-JUL-13	

Katahdin Analytical Services 500002

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ANALYTICAL SERVICES

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Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-7
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS307-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	81. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:46	SM2540G	24-JUL-13	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-8
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS306-0003	SL	08-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	76. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:07:54	SM2540G	24-JUL-13	

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Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-9
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS305-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	60. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:01	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-13
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS325-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	63. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:09	SM2540G	24-JUL-13	

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4790-15
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS324-0003	SL	09-JUL-13	09-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:20	SM2540G	24-JUL-13	

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Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4876-4
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS326-0003	SL	09-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	75. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:28	SM2540G	24-JUL-13	

Katahdin Analytical Services 500018

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG4876-9
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS316-0003	SL	10-JUL-13	11-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	67. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:08:35	SM2540G	24-JUL-13	

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Katahdin
ANALYTICAL SERVICES

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Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-1
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS329-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:06	SM2540G	24-JUL-13	

Katahdin Analytical Services 500000

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-2
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
T-PD2-SS329-0003-00	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:15	SM2540G	24-JUL-13	

Katahdin Analytical Services 500002

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-3
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS330-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	86. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:23	SM2540G	24-JUL-13	

Katahdin Analytical Services 500002

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-4
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS331-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	40. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:31	SM2540G	24-JUL-13	

Katahdin Analytical Services 5000023

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-5
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS332-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	73. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:39	SM2540G	24-JUL-13	

Katahdin Analytical Services 500024

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Beth Wasserman Badik
Parsons
100 High Street, 4th Floor
Boston,MA 02110

Lab Sample ID: SG5265-6
Report Date: 31-JUL-13
Client PO: 748766-30000 N62470-
Project: NAS Brunswick Projec
SDG: SKEET-2

Sample Description	Matrix	Date Sampled	Date Received
SKT-PD2-SS333-0003	SL	23-JUL-13	23-JUL-13

Parameter	Result	Adj LOQ	Adj MDL	Adj LOD	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Footnotes
Total Solids	66. %	1		N/A	SM2540G	WG127498	25-JUL-13 07:09:47	SM2540G	24-JUL-13	

Katahdin Analytical Services 5000025

Raw Data Section

TOTAL SOLIDS BATCH REPORT
Jul 25 2013, 12:53 pm
Batch: WG127498

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SG4790-1	SL	SAMP	WG127498	24-JUL-13	1.3307 g	8.5648 g	6.9544 g	KP	25-JUL-13	77.7390	78. %		
SG4790-13	SL	SAMP	WG127498	24-JUL-13	1.3211 g	12.2224 g	8.2322 g	KP	25-JUL-13	63.3970	63. %		
SG4790-15	SL	SAMP	WG127498	24-JUL-13	1.326 g	11.538 g	8.0459 g	KP	25-JUL-13	65.8040	66. %		
SG4790-2	SL	SAMP	WG127498	24-JUL-13	1.3282 g	13.8693 g	10.5538 g	KP	25-JUL-13	73.5630	74. %		
SG4790-5	SL	SAMP	WG127498	24-JUL-13	1.3274 g	12.3881 g	8.0286 g	KP	25-JUL-13	60.5860	60. %		
SG4790-6	SL	SAMP	WG127498	24-JUL-13	1.3261 g	12.528 g	10.1579 g	KP	25-JUL-13	78.8420	79. %		
SG4790-7	SL	SAMP	WG127498	24-JUL-13	1.3257 g	12.4095 g	10.3419 g	KP	25-JUL-13	81.3460	81. %		
SG4790-8	SL	SAMP	WG127498	24-JUL-13	1.3291 g	10.8199 g	8.5238 g	KP	25-JUL-13	75.8070	76. %		
SG4790-9	SL	SAMP	WG127498	24-JUL-13	1.336 g	10.3396 g	6.7493 g	KP	25-JUL-13	60.1240	60. %		
SG4876-4	SL	SAMP	WG127498	24-JUL-13	1.3302 g	17.1949 g	13.3005 g	KP	25-JUL-13	75.4520	75. %		
SG4876-9	SL	SAMP	WG127498	24-JUL-13	1.3337 g	12.2941 g	8.6974 g	KP	25-JUL-13	67.1840	67. %		
SG5226-1	SL	SAMP	WG127498	24-JUL-13	1.3298 g	20.0793 g	17.261 g	KP	25-JUL-13	84.9690	85. %		
SG5226-2	SL	SAMP	WG127498	24-JUL-13	1.3282 g	19.471 g	15.6683 g	KP	25-JUL-13	79.0400	79. %		
SG5256-1	SL	SAMP	WG127498	24-JUL-13	1.3272 g	12.7269 g	6.1738 g	KP	25-JUL-13	42.5150	42. %		
SG5265-1	SL	SAMP	WG127498	24-JUL-13	1.3314 g	11.983 g	10.4919 g	KP	25-JUL-13	86.0010	86. %		
SG5265-2	SL	SAMP	WG127498	24-JUL-13	1.3272 g	13.2414 g	11.6135 g	KP	25-JUL-13	86.3360	86. %		
SG5265-3	SL	SAMP	WG127498	24-JUL-13	1.3269 g	12.3148 g	10.8006 g	KP	25-JUL-13	86.2190	86. %		
SG5265-4	SL	SAMP	WG127498	24-JUL-13	1.3294 g	9.8292 g	4.7547 g	KP	25-JUL-13	40.2980	40. %		
SG5265-5	SL	SAMP	WG127498	24-JUL-13	1.3211 g	14.469 g	10.9615 g	KP	25-JUL-13	73.3230	73. %		
SG5265-6	SL	SAMP	WG127498	24-JUL-13	1.3263 g	20.7689 g	14.1031 g	KP	25-JUL-13	65.7150	66. %		
WG127498-1	SL	MBLANK	WG127498	24-JUL-13	1.3288 g	1.8178 g	1.3265 g	KP	25-JUL-13	-0.4700	1 %		
WG127498-2	SL	LCS	WG127498	24-JUL-13	1.3265 g	7.581 g	7.0941 g	KP	25-JUL-13	92.2150	92. %	102	
WG127498-3	SL	DUP	WG127498	24-JUL-13	1.3293 g	9.2854 g	7.3751 g	KP	25-JUL-13	75.9890	76. %		2
WG127498-4	SL	DUP	WG127498	24-JUL-13	1.3278 g	17.776 g	12.0156 g	KP	25-JUL-13	64.9780	65. %		1

Comments:

SG4790-1	NASB-PD2-SS301-0003
SG4790-13	NASB-PD2-SS325-0003
SG4790-15	NASB-PD2-SS324-0003
SG4790-2	NASB-PD2-SS300-0003
SG4790-5	NASB-PD2-SS303-0003
SG4790-6	MS/MSD NASB-PD2-SS308-0003
SG4790-7	NASB-PD2-SS307-0003
SG4790-8	NASB-PD2-SS306-0003
SG4790-9	NASB-PD2-SS305-0003
SG4876-4	NASB-SKT-PD2-SS326-0003
SG4876-9	NASB-SKT-PD2-SS316-0003
SG5265-1	NASB-SKT-PD2-SS329-0003 MS/MSD
SG5265-2	NASB-SKT-PD2-SS329-0003-00
SG5265-3	NASB-SKT-PD2-SS330-0003
SG5265-4	NASB-SKT-PD2-SS331-0003
SG5265-5	NASB-SKT-PD2-SS332-0003
SG5265-6	NASB-SKT-PD2-SS333-0003
WG127498-1	SG4790-1
WG127498-2	SG4790-1
WG127498-3	SG4790-1
WG127498-4	SG5265-6

Entered by: _____ Date: 7/25/13 Accepted by: _____ Date: 07/26/13

Katahdin Analytical Services 5000027

KATAHDIN ANALYTICAL SERVICES, INC.

R240183

TOTAL SOLIDS: ASTM D2216 - PQL: 0.10%		TOTAL VOLATILE SOLIDS: SM2540 G / E160.4 - PQL 0.10%		
ANALYST IN: KP	ANALYST OUT: KP	BALANCE ID: OHAUS - SN: 112401631		
DATE IN: 7/24/13	DATE OUT: 7/25/13	TRUE WT (g)	INITIAL WT (g)	FINAL WT (g)
TIME IN: 1107	TIME OUT: 0604	~~2.0000~~ 1.0000	1.0001	0.9996
TEMP IN: 103	TEMP OUT: 103	~~5.0000~~ 50.0000	49.9995	49.9997
Oven ID: 107N1042	Muffle Oven ID: 030807 (assigned)	10.0000	9.9997	9.9995
CHECKED BY: [illegible]	DATE: 07/26/13	100.0000	99.9995	99.9996

SAMPLE ID	DISH ID	DISH WT (g)	DISH WET WT (g)	DISH DRY WT (g)	DISH/ASH WT (g)	TIME
WG127498-1Blank	1					
L -2/05	2					
SG4790-1	3					
-1DUP	4					
-2	5					
-5	6					
-6	7					
-7	8					
-8	9					
-9	10					
-13	11					
+ -15	12					
SG4876-4	13					
+ -9	14					
SG5226-1	15					
L -2	16					
SG5256-1	17					
SG5265-1	18					
-2	19					
-3	20					
-4	21					
-5	22					
-6	23					
-6DUP	24					

KP 7/25/13

APPENDIX F-4. PHOTO LOG

This appendix has previously been provided electronically and will be included both electronically and in hard copy format with the Final RAWP.

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Appendix F – PD Field Information
PHOTO LOG

PHOTO LOG INDEX			
Photo #	**Date Taken**	**Photo ID**	**Description**
1	7/8/2013	DSCN0250	This photo was taken at location PD1-SS253 while facing west. It shows the soil being homogenized in the Ziploc bag.
2	7/8/2013	DSCN0251	This photo was taken at location PD1-SS240 facing east and shows the hand sieving process.
3	7/8/2013	DSCN0252	This photo was taken at location PD2-SS300 facing north and shows the adjusted sample location due to the presence of a large tree.
4	7/8/2013	DSCN0253	This photo at location PD1-SS212 was taken facing west and shows the soil sample collection process.
5	7/8/2013	DSCN0254	This photo of soil sample location PD2-SS303 was taken facing southwest and shows the proximity of the location to the swampy/marsh terrain.
6	7/8/2013	DSCN0256	This photo was taken facing east and shows the new location of soil sample PD1-SS235, which was shifted due to the water's edge. The new location is 20 feet east of XRF-SS06.
7	7/8/2013	DSCN0258	This photo of soil sample location XRF-SS07 was taken facing south and shows the proximity to the water.
8	7/9/2013	DSCN0259	This photo was taken at soil sample location PD2-SS311 facing east. It shows the sampling process of digging to the specified depth of 3 inches.
9	7/9/2013	DSCN0260	This photo was taken facing north at sample location PD2-SS313 and it shows the dense surface vegetation.
10	7/9/2013	DSCN0261	This photo was taken facing east at soil sample location PD1-SS229. It shows the general surface conditions in this area of DU3.
11	7/9/2013	DSCN0262	This photo was taken at soil sample location PD2-SS310 while facing west and shows homogenized soil in the Ziploc bag.
12	7/9/2013	DSCN0263	This photo was taken at the proposed sample location PD1-SS242 while facing south. The sample location was shifted north by 5 feet due to the water.
13	7/9/2013	DSCN0264	This photo was taken at the proposed sample location of PD2-SS309 facing south. The sample should have been located at the horizontal log in the center of the frame. The new location was moved 30 feet west of PD1-SS241.
14	7/9/2013	DSCN0265	This photo shows the proposed location of PD1-SS236 facing south. The proposed location was underwater at the intersection of the log and tree and was not collected here.
15	7/9/2013	DSCN0267	This photo was taken facing east and shows the new location of PD1-SS233 which was moved 4 feet north from the proposed location due to the swampy/marsh terrain.
16	7/10/2013	DSCN0268	This photo was taken at soil sample location PD1-SS203 facing east. This photo shows the hand sieving process.
17	7/10/2013	DSCN0270	This photo displays the black clay target fragments found during the hand sieving process at soil sample location PD1-SS202. Twelve clay target fragments were identified, ranging in size from approximately 1 to 4 centimeters in length.
18	7/10/2013	DSCN0271	This photo displays the clay target fragments found during the hand sieving process at location PD1-SS201. The clay target fragments ranged in size from approximately 1 to 3 centimeters in length.
19	7/10/2013	DSCN0272	This photo was taken at sample location PD1-SS215 facing east. The sample was located within a large, dense bush.
20	7/10/2013	DSCN0274	This photo was taken at soil sample location PD1-SS255 facing east. It shows the new sampling location alongside XRF-SS18.
21	7/10/2013	DSCN0277	This photo was taken at the new soil sample location PD1-SS246 facing north. Due to the water's edge, the sample location was moved to a location 30 feet southwest of SB06 at a bearing of 280°.

Appendix F – PD Field Information
PHOTO LOG

Photo #1 / Photo ID: DSCN0250
Date: 7/8/13
Description: This photo was taken at location PD1-SS253 while facing west. It shows the soil being homogenized in the Ziploc bag.

Appendix F – PD Field Information
PHOTO LOG

Photo #2 / Photo ID: DSCN0251

Date: 7/8/13

Description: This photo was taken at location PD1-SS240 facing east and shows the hand sieving process.

Appendix F – PD Field Information
PHOTO LOG

Photo #3 / Photo ID: DSCN0252

Date: 7/8/13

Description: This photo was taken at location PD2-SS300 facing north and shows the adjusted sample location due to the presence of a large tree.

Appendix F – PD Field Information
PHOTO LOG

Photo #4 / Photo ID: DSCN0253

Date: 7/8/13

Description: This photo at location PD1-SS212 was taken facing west and shows the soil sample collection process.

Appendix F – PD Field Information
PHOTO LOG

Photo #5 / Photo ID: DSCN0254

Date: 7/8/13

Description: This photo of soil sample location PD2-SS303 was taken facing southwest and shows the proximity of the location to the swampy/marsh terrain.

Appendix F – PD Field Information
PHOTO LOG

Photo #6 / Photo ID: DSCN0256

Date: 7/8/13

Description: This photo was taken facing east and shows the new location of soil sample PD1-SS235, which was shifted due to the water's edge. The new location is 20 feet east of XRF-SS06.

Appendix F – PD Field Information
PHOTO LOG

Photo #7 / Photo ID: DSCN0258
Date: 7/8/13
Description: This photo of soil sample location XRF-SS07 was taken facing south and shows the proximity to the water.

Appendix F – PD Field Information
PHOTO LOG

Photo #8 / Photo ID: DSCN0259

Date: 7/9/13

Description: This photo was taken at soil sample location PD2-SS311 facing east. It shows the sampling process of digging to the specified depth of 3 inches.

Appendix F – PD Field Information
PHOTO LOG

Photo #9 / Photo ID: DSCN0260
Date: 7/9/13
Description: This photo was taken facing north at sample location PD2-SS313 and it shows the dense surface vegetation.

Appendix F – PD Field Information
PHOTO LOG

Photo #10 / Photo ID: DSCN0261

Date: 7/9/13

Description: This photo was taken facing east at soil sample location PD1-SS229. It shows the general surface conditions in this area of DU3.

Appendix F – PD Field Information
PHOTO LOG

Photo #11 / Photo ID: DSCN0262

Date: 7/9/13

Description: This photo was taken at soil sample location PD2-SS310 while facing west and shows homogenized soil in the Ziploc bag.

Appendix F – PD Field Information
PHOTO LOG

Photo #12 / Photo ID: DSCN0263

Date: 7/9/13

Description: This photo was taken at the proposed sample location PD1-SS242 while facing south. The sample location was shifted north by 5 feet due to the water.

Appendix F – PD Field Information
PHOTO LOG

Photo #13 / Photo ID: DSCN0264

Date: 7/9/13

Description: This photo was taken at the proposed sample location of PD2-SS309 facing south. The sample should have been located at the horizontal log in the center of the frame. The new location was moved 30 feet west of PD1-SS241.

Appendix F – PD Field Information
PHOTO LOG

Photo #14 / Photo ID: DSCN0265

Date: 7/9/13

Description: This photo shows the proposed location of PD1-SS236 facing south. The proposed location was underwater at the intersection of the log and tree and was not collected here.

Appendix F – PD Field Information
PHOTO LOG

Photo #15 / Photo ID: DSCN0267

Date: 7/9/13

Description: This photo was taken facing east and shows the new location of PD1-SS233 which was moved 4 feet north from the proposed location due to the swampy/marsh terrain.

Appendix F – PD Field Information
PHOTO LOG

Photo #16 / Photo ID: DSCN0268

Date: 7/10/13

Description: This photo was taken at soil sample location PD1-SS203 facing east. This photo shows the hand sieving process.

Appendix F – PD Field Information
PHOTO LOG

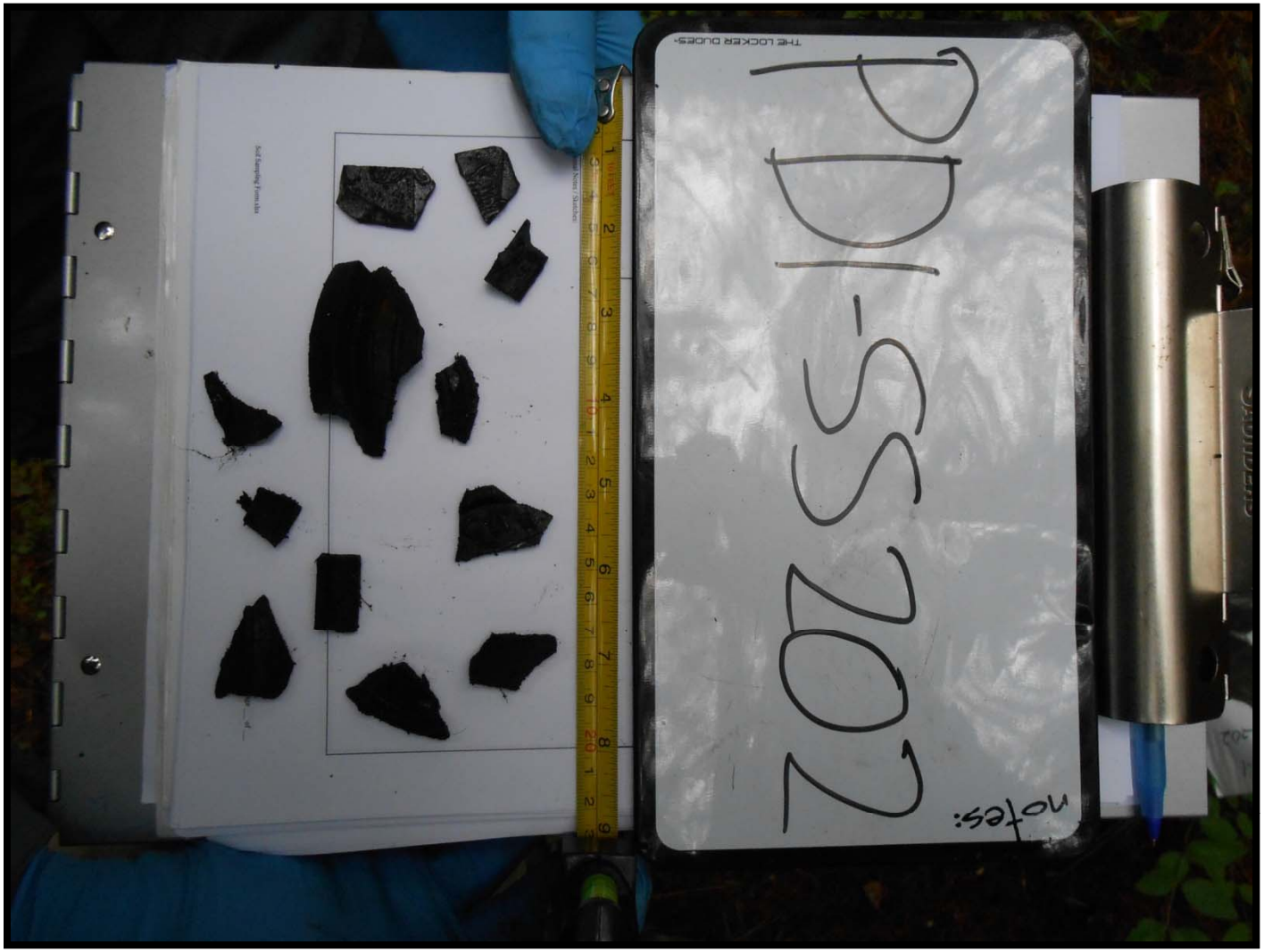

Photo #17 / Photo ID: DSCN0270

Date: 7/10/13

Description: This photo displays the black clay target fragments found during the hand sieving process at soil sample location PD1-SS202. Twelve clay target fragments were identified, ranging in size from approximately 1 to 4 centimeters in length.

Appendix F – PD Field Information
PHOTO LOG

Photo #18 / Photo ID: DSCN0271
Date: 7/10/13
Description: This photo displays the clay target fragments found during the hand sieving process at location PD1-SS201. The clay target fragments ranged in size from approximately 1 to 3 centimeters in length.

Appendix F – PD Field Information
PHOTO LOG

Photo #19 / Photo ID: DSCN0272

Date: 7/10/13

Description: This photo was taken at sample location PD1-SS215 facing east. The sample was located within a large, dense bush.

Appendix F – PD Field Information
PHOTO LOG

Photo #20 / Photo ID: DSCN0274

Date: 7/10/13

Description: This photo was taken at soil sample location PD1-SS255 facing east. It shows the new sampling location alongside XRF-SS18.

Appendix F – PD Field Information
PHOTO LOG

Photo #21 / Photo ID DSCN0277

Date: 7/10/13

Description: This photo was taken at the new soil sample location PD1-SS246 facing north. Due to the water's edge, the sample location was moved to a location 30 feet southwest of SB06 at a bearing of 280°.

APPENDIX F-5. FIELD SOIL SAMPLING FORMS

This appendix has previously been provided electronically and will be included both electronically and in hard copy format with the Final RAWP.

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SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD 1-SS200-0003	**Inspector:**	Todd Belanger
Sample Time:	0855	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
leaves, tree bark, fallen trees, grassy, leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt thick root system present	M(oist)	(N?)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS201-0003	**Inspector:**	Todd Belanger
Sample Time:	0810	**Crew:**	T Vehlick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black M-F sand, silt strong root system present	(M)	(N?)

Clay Targets Present (Y/N) (Y)	Description and number:
Shotgun Pellets Present (Y/N) (N)	Description and number: clay targets ranging in size from 1-3cm
Photo ID: 0271	Photo Description: Showing various black clay target sizes
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

Fragments found during hand sieving process

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS202-0003	**Inspector:**	Todd Belanger
Sample Time:	0750	**Crew:**	T Vahlick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, at the base of a 60" diameter tree

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt Plant roots present	M	N?

Clay Targets Present (Y/N) Y	Description and number: 12 black clay target fragments, ranging in sizes from 1cm to 4cm in length.
Shotgun Pellets Present (Y/N) N	Description and number: N/A
Photo ID: 0270	Photo Description: showing various black clay targets.
Photo ID: —	Photo Description: —

Additional Notes / Sketches:
The clay target fragments were found during the hand sieving process.

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS203-0003	**Inspector:**	Todd Belanger
Sample Time:	0735	**Crew:**	T Vahldick + R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, fallen trees, leaves, pine needles

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N)
Black, M-F sand, silt some plant roots present	M(oist)	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: 0268 TV	Photo Description: TV Facing east + downward. Showing hand ~~seiving~~ sieving process around the soil sampling location. (1' radius) TV
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1 - SS2014-0003	**Inspector:**	Todd Belanger
Sample Time:	1050	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, grassy, fallen tree limbs, pine needles, leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist), W(et)]	Potential Fill Material (Y/(N))
Dark Brown, M-F Sand, Silt Plant roots present		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS205-0003	**Inspector:**	Todd Belanger
Sample Time:	1045	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: level, tree branches, leaves, pine needles, grassy

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present	M	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1 - SS2006 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1035	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: level, covered in pine needles, broken tree branches, some small vegetation

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present.	(M)	(N?)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-~~SS~~207-0003	**Inspector:**	Todd Belanger
Sample Time:	1100	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, pine needles, open area surrounded by trees.

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F Sand, silt Large tree root running through site location.		

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1 - SS208 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1715	**Crew:**	T Vahldick, R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, leaves, pine needles

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded? NO	~~Y~~	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1 ft x 1 ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist), W(et)]	Potential Fill Material (Y/(N)?)
Dark Brown, M-F sand, silt plant roots present		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/5/2013
Sample ID:	NASB-SKT-PD1-SS209-C003	**Inspector:**	Todd Belanger
Sample Time:	1655	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, grassy, pine needles, leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	NO (Y)	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist), W(et)]	Potential Fill Material (Y(N?))
Dark brown, M-F sand, silt plant roots present.		

Clay Targets Present (Y(N))	Description and number: N/A
Shotgun Pellets Present (Y(N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/2013
Sample ID:	NASB-SKT-PD1 - SS210 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1650	**Crew:**	Tyler Vahldick, R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level surface, pine needles, leaves, tree branches

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	NO Y N	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt plant roots present		

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/2013
Sample ID:	NASB-SKT-PD1 - SS211- 0003	**Inspector:**	Todd Belanger
Sample Time:	0720	**Crew:**	T Vahldick, R Jenkins
DUP ID:	–	**DUP Time:**	–
MS/MSD Collected?			

Ground Surface Description:
level, pine needles, leaves, tree branches, fairly open.

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N)
Dark brown, M-F sand, silt Plant roots present	M(oist)	(N)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1 - SS212 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1210	**Crew:**	T Vahldick R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: (slopes south) gradual slope (15°), pine needles, located near base of tree (1' diameter)

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
dark brown, M-F sand, silt 2" of roots	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N)	Description and number: —
Photo ID: 0253	Photo Description: Facing West
Photo ID:	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1-SS213-0003	**Inspector:**	Todd Belanger
Sample Time:	1145	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: TV 7/8/13
~25' south of roadway, shrubs, small bushes, ferns

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
loose, course - medium sand 2" roots of loose soil, trace chunks of old asphalt		yes TV

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N)	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1 - 55214 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1355	**Crew:**	T Vahlick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
pine needles, level surface, fairly open

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/(N?))
Dark brown, m-f sand, silt 2" of Roots	M(oist)	N?

Clay Targets Present (Y/(N))	Description and number: —
Shotgun Pellets Present (Y/(N))	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS215-0003	**Inspector:**	Todd Belanger
Sample Time:	0915	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
slight slope upwards to the north towards the open field, covered by a large bush

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Light Brown, Fine silt, trace of clay	M(oist)	(N?)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: 0272	Photo Description: Facing east. Showing the sampling location within the bush
Photo ID: 0273	Photo Description: Facing east. Showing the opening to the large bush.

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS216-0003	**Inspector:**	Todd Belanger
Sample Time:	1525	**Crew:**	T Vahdick + R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, thick layer of pine needles, decaying trees

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black M-F. sand, silt thick roots present	M	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID:	Photo Description:

Additional Notes / Sketches:
Measured 30' North of SB057 using compass + tape measure.

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS217-0003	**Inspector:**	Todd Belanger
Sample Time:	1530	**Crew:**	T Vahlduck, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: level, thick layer of pine needles, at the base of 2' diameter tree

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M)(oist), W(et)]	Potential Fill Material (Y/(N))
light brown M-F sand; silt thick root system present.		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

Measured 30' East of SB057 with compass & tape measure.

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1 - SS218 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1520	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, grassy, pine needles

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present	M(oist)	N?

Clay Targets Present (Y/N) Y	Description and number: N/A
Shotgun Pellets Present (Y/N) Y	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:
Measured 30' South of SB057 with measuring tape + compass

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1 - SS219-0003	**Inspector:**	Todd Belanger
Sample Time:	1505	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, grassy, pine needles at the base of a large tree

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N)
Black, M-F sand, silt plant roots present	M(oist)	(N)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

located 30' West of ~~XR~~ SB057 measured with compass + tape measure

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-SS220-0003	**Inspector:**	Todd Belanger
Sample Time:	1025	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
heavily vegetated, ferns + other short plants, leaves, level, ~20' to waters edge

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1 ft x 1 ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, M-F sand, silt Contains a lot of organic matter		

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	9/7/13
Sample ID:	NASB-SKT-PD1-SS221-0003	**Inspector:**	Todd Belanger
Sample Time:	0935	**Crew:**	T Vahldich, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: grassy, level, leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist)) W(et)]	Potential Fill Material (Y (N?))
Dark brown M-F sand, silt some roots present		

Clay Targets Present (Y (N))	Description and number: N/A
Shotgun Pellets Present (Y (N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-SS222-0003	**Inspector:**	Todd Belanger
Sample Time:	0825	**Crew:**	T Vahklick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
Thick leaf coverage, small shrubs, weeds, level surface

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown M-F sand, silt thick root system.	(M)	(N)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1 - SS223 -0003	**Inspector:**	Todd Belanger
Sample Time:	0900	**Crew:**	T Vahldick R. Jenkins
DUP ID:	NASB-SKT-PD1-SS223-0003-DU	**DUP Time:**	0905
MS/MSD Collected?	yes		

Ground Surface Description:
gradual slope towards water (~10°) towards the north, small trees + medium sized bushes

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, M-F sand, silt thick root system present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-SS224-0003	**Inspector:**	Todd Belanger
Sample Time:	1335	**Crew:**	T Vahlsick R Jenkins
DUP ID:	NASB-SKT-PD1-SS224-0003-00	**DUP Time:**	1340
MS/MSD Collected?	YES		

Ground Surface Description:
level, covered in pine needles, broken tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present.	M	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-SS225-0003	**Inspector:**	Todd Belanger
Sample Time:	1320	**Crew:**	T Vahdlich, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
covered in thick layer of pine needles, surrounded by trees, level surface

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/(N?))
Black, M-F sand, silt plant roots present	M(oist)	N?

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD - 55226 - 0003	Inspector:	Todd Belanger
Sample Time:	1315	Crew:	T Vahdick R. Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description: level, covered in pine cones, tree branches, fallen trees

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture {D(ry), (M(oist), W(et)}	Potential Fill Material (Y/(N)?)
Black, M-F sand, silt Thick plant root system present		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-SS227-0003	**Inspector:**	Todd Belanger
Sample Time:	1510	**Crew:**	T. Uahldick + R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: level, covered in pine needles, large tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt thick root system present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1 - SS228 - 0003	Inspector:	Todd Belanger
Sample Time:	1140	Crew:	T Vahldick R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
covered in pine needles, level surface,

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1 ft x 1 ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt some plant roots	M(oist)	N?

Clay Targets Present (Y/N) N	Description and number: N/A
Shotgun Pellets Present (Y/N) N	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1-SS229-0003	Inspector:	Todd Belanger
Sample Time:	1115	Crew:	T Uehlick, R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
level, covered in 2" of pine needles, broken tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(ois), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present	M(ois)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: 0261	Photo Description: Facing east. Showing sampling site + general layout of this area.
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1-SS230-0003	Inspector:	Todd Belanger
Sample Time:	1125	Crew:	T Vahldick, R. Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
level surface, covered in thick layer of pine needles, ~2"

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt Thick plant roots present.	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1-SS231-0003	Inspector:	Todd Belanger
Sample Time:	1130	Crew:	T Vahldick R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
level, covered in a layer of pine needles, located at the base of a ~1' diameter tree

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt Thick plant root system	(M)	(N)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1 - 55232 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1545	**Crew:**	T. Vahldick , R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, at the base of a tree (1' in diameter), pine needles

Sample moved from planned location?	Y	N	Reason:
New (additional) location?	Y	N	N/A
New coordinates recorded? NO	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N)
light-brown, tan, M-F sand, silt Roots, present	M(oist)	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID:	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/5/13
Sample ID:	NASB-SKT-PD1 - SS233 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1615	**Crew:**	T Uehlich, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
Gradual slope down towards the water (east), grassy, small vegetation, located at the base of a 1' diameter tree

Sample moved from planned location?	(Y)	N	Reason: Desired location is in the water. New location is 26' south of XRF-SS06.
New (additional) location?	Y	(N)	
New coordinates recorded?	(Y)	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt thick root system	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1 - SS234 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1630	**Crew:**	T. Vahlkick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
Level, fairly open, pine needles, leaves.

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	NO (Y)	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt roots present	M(oist)	(N?)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-SS235-0003	**Inspector:**	Todd Belanger
Sample Time:	1600	**Crew:**	T Vahldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
~15° slope east towards water. pine needles, small vegetation, ferns

Sample moved from planned location?	(Y)	N	Reason: Desired location is in the water. New location is 20' east of XRF-SS06.
New (additional) location?	Y	(N)	
New coordinates recorded?	(Y)	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, M-F Sand, Silt dense layer of plant roots.	M(oist)	(N?)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: 0256	Photo Description: Facing East. Showing new location due to the close proximity to the water
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1 - SS236 - 0003	**Inspector:**	Todd Belanger
Sample Time:	15:30	**Crew:**	T. Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
slight slope towards water, fairly open area, pine needles, leaves

Sample moved from planned location?	(Y)	N	Reason: Was location PD2-SS304, SS304 was deleted, and replaced with PD1-SS236
New (additional) location?	Y	(N)	
New coordinates recorded?	(Y)	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F Sand, Silt Plant roots present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1 - 55237-0003	**Inspector:**	Todd Belanger
Sample Time:	1455	**Crew:**	T Uhldick R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
gradual, gentle slope down towards water. pine needles, surrounded by trees

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, M-F sand, silt 2" of roots.	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N)	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-55238-0003	**Inspector:**	Todd Belanger
Sample Time:	1425	**Crew:**	T Vanhelick R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
gradual sloping towards the south, pine needles, leaves

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown M-F sand, silt thick root system	M	N?

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N)	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1-SS239-0003	**Inspector:**	Todd Belanger
Sample Time:	0955	**Crew:**	T. Vahldick + R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
covered in pine needles, branches, trees all around, but open. Level, but near a slope towards the water.

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, C-M sand, silt 2" roots, loam	M(oist)	N?

Clay Targets Present (Y/N) N	Description and number: N/A
Shotgun Pellets Present (Y/N) N	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range TN	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1 - SS-240 - 0003	**Inspector:**	Todd Belanger
Sample Time:	0940	**Crew:**	T. Vahldick, R. Jeffers
DUP ID:	–	**DUP Time:**	–
MS/MSD Collected?			

Ground Surface Description:
Covered w/ pine needles, branches, level surface, mature trees, fairly open

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist), W(et)]	Potential Fill Material (Y/(N?)
brown soil, C-M sand, silt 2" of thick roots, loam		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: 0251	Photo Description: Facing East, looking at general site characteristics
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1-SS241-0003	**Inspector:**	Todd Belanger
Sample Time:	1035	**Crew:**	Tyler Vahldick, Randy Jenkins
DUP ID:	NASB-SKT-PD1-SS241-0003-00	**DUP Time:**	1040
MS/MSD Collected?	yes		

Ground Surface Description:
Steep slope (30°) covered in some pine needles (not as much as previous locations), near the water ~10'

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/(N?))
Tan, most C-F sand, some silt		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID:	Photo Description:
Photo ID:	Photo Description:

Additional Notes / Sketches:

GPS

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1 . SS242 -003	**Inspector:**	Todd Belanger
Sample Time:	1110	**Crew:**	T. Vahldich , R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
30° slope towards water, leaf litter, pine needles, small shrubs

Sample moved from planned location?	(Y)	N	Reason: only 10' south from XRF-SS08 due to water proximity
New (additional) location?	Y	(N)	5' closer to XRF-SS08 than previously anticipated
New coordinates recorded?	(Y)	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
grayish brown, mostly C-F sand, some silt	(M)	(N?)

Clay Targets Present (Y/N) (N)	Description and number: —
Shotgun Pellets Present (Y/N) (N)	Description and number: —
Photo ID: /	Photo Description:
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS243-0003	**Inspector:**	Todd Belanger
Sample Time:	1350	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, covered in small bushes, grassy, leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist)), W(et)]	Potential Fill Material (Y/(N)?)
Brown, M-F sand, silt with a hint of clay plant roots present.		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/2013
Sample ID:	NASB-SKT-PD1-55244-0003	**Inspector:**	Todd Belanger
Sample Time:	0740	**Crew:**	T Vahldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
pine needles, level surface, at the base of a 2' diameter tree,

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/(N))
Dark brown M-F sand, silt thick plant roots present.		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS245-0003	**Inspector:**	Todd Belanger
Sample Time:	1620	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
gradual slope towards water (north), pine needles, 18' from edge of pond.

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, Silt plant roots present	(M)	(N?)

Clay Targets Present (Y/N)	Description and number:
Shotgun Pellets Present (Y/N)	Description and number:
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:
30' west from SB06 using measuring tape + compass

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1 - SS246-0003	**Inspector:**	Todd Belanger
Sample Time:	1640	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: graduel slope north down towards water, covered in pine needles + leaves + grass

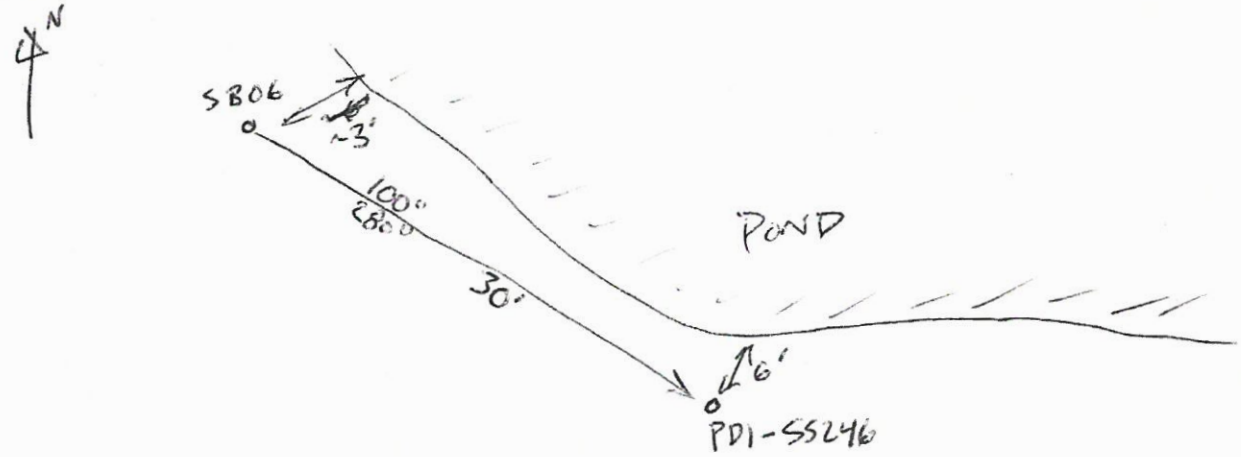
Sample moved from planned location?	Y (circled)	N	Reason:
New (additional) location?	Y	N (circled)	
New coordinates recorded?	Y	N (circled)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Brown, M-F sand, silt plant roots present	M (circled)	N? (circled)

Clay Targets Present (Y/N) N (circled)	Description and number: N/A
Shotgun Pellets Present (Y/N) N (circled)	Description and number: N/A
Photo ID: ~~0276~~ TB 0277	Photo Description: Facing North. Showing new location for SS246.
Photo ID: —	Photo Description: —

Additional Notes / Sketches:



SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS247-0003	**Inspector:**	Todd Belanger
Sample Time:	1710	**Crew:**	T Vahldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
minor slope downwards (north) towards pond, pine needles, leaves, broken branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present	M(oist)	N?

Clay Targets Present (Y/N) N	Description and number: N/A
Shotgun Pellets Present (Y/N) N	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:
~25' from water

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1-SS248-0003	Inspector:	Todd Belanger
Sample Time:	1610	Crew:	T Vahlbick + R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
level, covered in a layer of pine needles, leaves, branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, ~~clay~~ silt TV 7/9 Thick plant root system.	(M)	(N)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1 - SS249-0003	Inspector:	Todd Belanger
Sample Time:	1640	Crew:	T Vahldick R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
level, grassy, pine needles, leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black M-F sand, silt plant roots present	(M)	(N?)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD135250 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1620	**Crew:**	T Valdick + R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
In a local depression, leaves + pine needles, branches

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Orange, M-F sand, silt thick root system present		

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1 - SS251 - 0003	Inspector:	Todd Belanger
Sample Time:	1630	Crew:	T Vahldick + R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description: level, small shrubs, leaves + pine needles

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt dense root system present	M	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD-SS-252-0003	**Inspector:**	Todd Belanger
Sample Time:	0900	**Crew:**	Tyler Vahldick, Randy Jenkins
DUP ID:	N/A	**DUP Time:**	N/A
MS/MSD Collected?			

Ground Surface Description:
level, not much undergrowth, ground surface covered in pine needles/loam

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, moist, C-M sand - silt top layer: pine needles, 2" roots + loam	(M)	(Y/N?)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD1-SS-253-0003	**Inspector:**	Todd Belanger
Sample Time:	0920	**Crew:**	Tyler Vahldick, Randy Jenkins
DUP ID:	N/A	**DUP Time:**	N/A
MS/MSD Collected?			

Ground Surface Description:
pine needles, several pieces of bark, level, mature trees present

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist), W(et)]	Potential Fill Material (Y/(N)?)
dark brown, moist, C-M sand, silt 2" of roots + loam		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: 0250	Photo Description: Photo taken facing west/downward
Photo ID:	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PDi-SS-254-0003	**Inspector:**	Todd Belanger
Sample Time:	0845	**Crew:**	Tyler Vahldick, Randy Jenkins
DUP ID:	–	**DUP Time:**	–
MS/MSD Collected?			

Ground Surface Description: mature trees present, relatively open level, not much undergrowth, ground surface covered in pine needles/loam, sandy soil.

Sample moved from planned location?	Y	(N)	Reason: – N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, moist, C-M sand, silt top layer: pine needles, 2" roots + loam	(M)	(N?)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: /	Photo Description:
Photo ID: /	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS255-0003	**Inspector:**	Todd Belanger
Sample Time:	0925	**Crew:**	T Vahldick, R Jenkins
DUP ID:	NASB-SKT-PD1-SS255-0003-00	**DUP Time:**	0930
MS/MSD Collected?	YES		

Ground Surface Description:
level, covered by large bushes, trees, grassy, about 10' from the edge of the grassy field TV

Sample moved from planned location?	(Y)	N	Reason: Moved to XRF-SS18. The TT XRF-SS ~~were found in~~ stake + flag were found in different location from proposed SS225.
New (additional) location?	Y	(N)	
New coordinates recorded?	(Y)	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Brown, M-F sand, silt Thick roots present	M	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: 0274	Photo Description: Facing East, showing new soil sampling location at XRF-SS18.
Photo ID:	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS256-0003	**Inspector:**	Todd Belanger
Sample Time:	0945	**Crew:**	T Vahldick, R Jenkin
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, in the grassy field, thick vegetation, ~ knee high.

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt plant roots present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1-SS257-0003	**Inspector:**	Todd Belanger
Sample Time:	1730	**Crew:**	T Vahldick R Jenkins
DUP ID:	NASB-SKT-PD1-SS257-0003-00	**DUP Time:**	1735
MS/MSD Collected?	YES		

Ground Surface Description:
level, surrounded by small bushes, leaves, broken branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt Thick plant root system present	(M)	(N?)

Clay Targets Present (Y/N) (Y)	Description and number: black, ~30 fragments, varying in size from 1-5cm
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:
Located between two wood supports (2' to each platform) that were potentially used to fire clay targets. Another support is located about 10' west of site sampling location

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD1 - SS258 - 0003	Inspector:	Todd Belanger
Sample Time:	1555	Crew:	T Vahldick, R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist)), W(et)]	Potential Fill Material (Y/(N)?)
Black M-F, sand + silt plant roots present		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/2013
Sample ID:	NASB-SKT-PD1-55259-0003	Inspector:	Todd Belanger
Sample Time:	~~1345~~ 1545	Crew:	T Vahldick R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description: leafl, ferns, small shrubs, pine needles, leaves.

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black M-F sand, silt plant roots present	M	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD1 - SS2600 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1325	**Crew:**	T. Vahklich R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
At the base of a steep 5' wall, 15' from the edge of the superpond, leaves, tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Grey, M-F sand, silt, with a trace of clay. Plant roots present	M	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:
Found a beverage straw in the sampling location.

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/2013
Sample ID:	NASB-SKT-PD1 - SS261 - 0003	**Inspector:**	Todd Belanger
Sample Time:	0950	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
pine needles, grassy, relatively open, small shrubs, level surface

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Tan, C-M ~~sand~~, with a trace of ~~sand~~ TV silt some plant roots	M(oist)	(N?)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD1-SS2602-0003	**Inspector:**	Todd Belanger
Sample Time:	1015	**Crew:**	T Wahlrick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
sloping (~15°) downwards towards water (north), grassy, leaves, broken tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt thick root system	M(oist)	(N?)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:
25' to water edge

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD 1-SS2603-0003	Inspector:	Todd Belanger
Sample Time:	1005	Crew:	T Vahfdick, R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
extreme angle ~45° sloping downward north towards the water. Pine needles, some small vegetation

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown M-F sand, silt A lot of plant roots	M(oist)	(N?)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:
About 5' to water's edge.

GPS - new

TV, 7/9/13

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD02-SS300-0003	**Inspector:**	Todd Belanger
Sample Time:	1015	**Crew:**	T. Vahldick, R. Jenkins
DUP ID:	–	**DUP Time:**	–
MS/MSD Collected?			

Ground Surface Description:
Covered in pine needles, branches, taken at the base of a large tree

Sample moved from planned location?	(Y)	N	Reason: Large tree in the way (3' diameter), moved sample site
New (additional) location?	Y	(N)	3 feet east of original location
New coordinates recorded?	(Y)	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown soil, C-M sand, silt 2" roots, loam	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: – N/A
Shotgun Pellets Present (Y/N)	Description and number: – N/A
Photo ID: 0252	Photo Description: Facing North, showing new sample location
Photo ID:	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD-255301-0003	**Inspector:**	Todd Belanger
Sample Time:	1130	**Crew:**	T Vahlkich R. Jenkins
DUP ID:	-	**DUP Time:**	-
MS/MSD Collected?			

Ground Surface Description:
level, trees all around, pine needles, leaves, tree branches

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, moist, C-M sand, silt 2" roots, loam	M	N

Clay Targets Present (Y/N)	Description and number: -
Shotgun Pellets Present (Y/N)	Description and number: -
Photo ID: -	Photo Description: -
Photo ID: -	Photo Description: -

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD2 SS302-0003	**Inspector:**	Todd Belanger
Sample Time:	1200	**Crew:**	T Vahlidick, R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, leaf litter, pine needles, branches

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y(N?))
dark brown, M-F sand, silt 1-2" of roots	M(oist)	N?

Clay Targets Present (Y(N))	Description and number: —
Shotgun Pellets Present (Y(N))	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/2013
Sample ID:	NASB-SKT-PD2 - SS303 -0003	**Inspector:**	Todd Belanger
Sample Time:	15:15	**Crew:**	T. Vahldick, R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
grassy, pine needles, adjacent to culvert, gentle slope towards pond.

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, M-F Sand, Silt Plant roots present.	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: 0254	Photo Description: (Facing SW) showing proximity of swamp/pond to SS sampling location
Photo ID:	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/2013
Sample ID:	NASB-SKT-PD2 - SS305 - 0003	**Inspector:**	Todd Belanger
Sample Time:	0730	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
Pine needles, leaves, broken tree branches, at the base of a 2' diameter tree

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark brown, M-F sand, silt thick root system present	(M)	(N)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/2013
Sample ID:	NASB-SKT-PD2-SS306-0003	**Inspector:**	Todd Belanger
Sample Time:	1705	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, at the base of large tree (3' diameter) pine needles, leaves

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	
New coordinates recorded?	~~Y~~	(N)	NO

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y(N?))
Dark Brown, M-F sand, silt plant roots present	M(oist)	N(?)

Clay Targets Present (Y(N))	Description and number: N/A
Shotgun Pellets Present (Y(N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/2013
Sample ID:	NASB-SKT-PD2-SS307-0003	**Inspector:**	Todd Belanger
Sample Time:	1635	**Crew:**	T Vallelick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, pine needles, relatively open, leaves

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	NO ~~(Y)~~ TV	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
dark Brown, M-F sand, silt plant roots present	M(oist)	N?

Clay Targets Present (Y/N) N	Description and number: N/A
Shotgun Pellets Present (Y/N) N	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD2 - SS308 0003	**Inspector:**	Todd Belanger
Sample Time:	1640	**Crew:**	T Vahldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, grassy, pine needles. Relatively open.

Sample moved from planned location?	Y	N	Reason:
New (additional) location?	Y	N	
New coordinates recorded? NO	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown M-F sand, silt dense root system		

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/8/13
Sample ID:	NASB-SKT-PD2 - SS309 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1405	**Crew:**	T Uahdick R. Jenkins
DUP ID:	–	**DUP Time:**	–
MS/MSD Collected?			

Ground Surface Description:
sloped surface-(30°), pine needles, less than 10' from water's edge

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/(N)?)
Dark brown M-F sand, silt thick root system	(M)	(N)

Clay Targets Present (Y/(N))	Description and number: –
Shotgun Pellets Present (Y/(N))	Description and number: –
Photo ID: –	Photo Description: –
Photo ID: –	Photo Description: –

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD2-SS310-0003	Inspector:	Todd Belanger
Sample Time:	1600	Crew:	T Vahldick R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description: level, grassy, pine needles, broken tree branches

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt some plant roots present	M	N

Clay Targets Present (Y/N) N	Description and number: N/A
Shotgun Pellets Present (Y/N) N	Description and number: N/A
Photo ID: 0262	Photo Description: Facing west. shows soil sample site, + homogenized soil in bag.
Photo ID:	Photo Description:

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD2-SS311-0003	**Inspector:**	Todd Belanger
Sample Time:	0845	**Crew:**	T Vahldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, grassy, medium sized bushes/shrubs in the immediate area

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist)), W(et)]	Potential Fill Material (Y(N?)
Dark brown, M-F sand, silt thick root system present.		

Clay Targets Present (Y(N))	Description and number: N/A
Shotgun Pellets Present (Y(N))	Description and number: N/A
Photo ID: 0259	Photo Description: Facing east. Todd digging to the desired depth at the sampling location.
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/2013
Sample ID:	NASB-SKT-PD2-SS312-00003	**Inspector:**	Todd Belanger
Sample Time:	0810	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: grassy, leaves, small pine tree adjacent to site, open

Sample moved from planned location?	Y	(N)	Reason:
New (additional) location?	Y	(N)	N/A
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt Thick root system	M(oist)	(N?)

Clay Targets Present (Y/N)	Description and number:
Shotgun Pellets Present (Y/N)	Description and number:
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD2-SS313-003	**Inspector:**	Todd Belanger
Sample Time:	0915	**Crew:**	T Vahldick + R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
gradual slope down towards the water (15°). Densely covered in vegetation (Ferns, bushes), leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt A lot of organic material in soil.	TV Wet	

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: 0260	Photo Description: Facing North. Shows dense vegetation at sampling location.
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD2-SS314-0003	**Inspector:**	Todd Belanger
Sample Time:	1230	**Crew:**	T Vahldick + R Jenkins
DUP ID:	~~TV~~	**DUP Time:**	~~TV~~ 1235
MS/MSD Collected?	YES NASB-SKT-PD2-SS314-0003-00		

Ground Surface Description:
~~level~~ gradual slope downward towards the west, leaves, pine needles, tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist)), W(et)]	Potential Fill Material (Y/(N?))
Black, M-F sand, silt thick root system present		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD 2-55315-0003	**Inspector:**	Todd Belanger
Sample Time:	1720	**Crew:**	T Uehldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, covered in pine needles, some small vegetation, + leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/(N))
Black, M-F sand, silt Some plant roots present		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD2 - SS316 - CX03	**Inspector:**	Todd Belanger
Sample Time:	1150	**Crew:**	T Vahldick R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, downed tree limbs, leaves, grassy, pine needles

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt dense root system present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD2 - SS317 -0003	**Inspector:**	Todd Belanger
Sample Time:	1600	**Crew:**	T Valld.zk, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, very grassy, located in open field

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N)
greyish brown, M-F sand, silt plant roots present	M(oist)	(N)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:
Measured ~~60~~ TV 60' East from SB057 using a compass + measuring tape.

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD 2-55318-0003	**Inspector:**	Todd Belanger
Sample Time:	0905	**Crew:**	T Vahldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
~~Density~~ Densely vegetated, waist high grass

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Light Brown, C-M sand, silt thick plant root system present	(M)	(N)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/10/13
Sample ID:	NASB-SKT-PD2-55319-0003	**Inspector:**	Todd Belanger
Sample Time:	0830	**Crew:**	T Vahldick + R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, fallen trees, moss, pine needles, leaves

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black M-F sand, silt Plant roots present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD 2 - SS320 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1520	**Crew:**	T Vahldick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, covered in pine needles, grassy, tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F Sand, Silt Some plant roots present	(M)	(N)

Clay Targets Present (Y/N) (N)	Description and number: N/A
Shotgun Pellets Present (Y/N) (N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD2 - 55321 - 0003	Inspector:	Todd Belanger
Sample Time:	1330	Crew:	Tyler Vahldick, Randy Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
level, covered in a thick layer of pine needles, broken tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present	M(oist)	(N?)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD2-SS322-0003	Inspector:	Todd Belanger
Sample Time:	1530	Crew:	T Vahldich R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description: level, covered in pine needles, leaves, broken/fallen tree limbs

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Dark Brown, M-F sand, silt dense root system present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD2-SS323-0003	**Inspector:**	Todd Belanger
Sample Time:	1155	**Crew:**	T Kirkpatrick, R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
Covered in pine needles, level surface, tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt Some plant roots present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD2-SS324-0003	**Inspector:**	Todd Belanger
Sample Time:	1200	**Crew:**	T Vahldick R Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level surface, covered in pine needles.

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt some plant roots present	(M)	(N)

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD2-55325-0003	Inspector:	Todd Belanger
Sample Time:	1105	Crew:	T Vahfdick, R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description:
covered in 2" of pine needles, level, relatively open area

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt plant roots present	M(oist)	N?

Clay Targets Present (Y/N) N	Description and number: N/A
Shotgun Pellets Present (Y/N) N	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD 2 - 553226 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1650	**Crew:**	T Vahldick
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description:
level, pine needles, tree branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
Black M-F, sand + silt dense plants roots present	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/9/13
Sample ID:	NASB-SKT-PD2 - SS327-0003	**Inspector:**	Todd Belanger
Sample Time:	1700	**Crew:**	Tyler Vahldick R. Jenkins
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?			

Ground Surface Description: level, pine ~~leaves~~ needles, leaves, broken branches

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1 ft x 1 ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), (M(oist), W(et)]	Potential Fill Material (Y/N?)
Black, M-F sand, silt Plant roots present		

Clay Targets Present (Y/(N))	Description and number: N/A
Shotgun Pellets Present (Y/(N))	Description and number: N/A
Photo ID: /	Photo Description: /
Photo ID: /	Photo Description: /

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	Date:	7/9/13
Sample ID:	NASB-SKT-PD2 - SS328 - 0003	Inspector:	Todd Belanger
Sample Time:	1705	Crew:	T Vahldick + R Jenkins
DUP ID:	—	DUP Time:	—
MS/MSD Collected?			

Ground Surface Description: level, grassy, covered in leaves + pine needles

Sample moved from planned location?	Y	N	Reason: N/A
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N)
Black. M-F sand, silt dense plant roots present	M	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/23/13
Sample ID:	NASB-SKT-PD2-SS329-0003	**Inspector:**	Todd Belanger
Sample Time:	1145	**Crew:**	RANY JENKINS
DUP ID:	SS329.0003-00	**DUP Time:**	1150
MS/MSD Collected?	YES		

Ground Surface Description: ~~DRY SOIL~~ TB FLAT AREA, WOODED, TREES + SMALL UNDERBRUSH

Sample moved from planned location?	Y	(N)	Reason: N/A
New (additional) location?	Y	(N)	
New coordinates recorded?	Y	(N)	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
0-3" VEGETATIVE FOREST COVER (LEAVES, ROOTS, ETC) >3" BROWN SANDY LOAM (M-F SAND, SOME SILT)	M(oist)	N

Clay Targets Present (Y/N)	Description and number: N/A
Shotgun Pellets Present (Y/N)	Description and number: N/A
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

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SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/23/13
Sample ID:	NASB-SKT-PD Z - SS330 .. 0003	**Inspector:**	Todd Belanger
Sample Time:	1240	**Crew:**	RANDY JENKINS
DUP ID:	—	**DUP Time:**	
MS/MSD Collected?	N		

Ground Surface Description: ON SLOPE OF POND, ~ 8' NORTH OF ~~[illegible]~~ TIS POND

Sample moved from planned location?	Y	N	Reason: —
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N)
0-~2" VEG LEAVES, ROOTS ETC ~2" BROWN SAND ~~[illegible]~~ TB SOME SILT	M	N

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N)	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/22/13
Sample ID:	NASB-SKT-PD2-SS331-0003	**Inspector:**	Todd Belanger
Sample Time:	1250	**Crew:**	RANDY JENKINS
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?	N		

Ground Surface Description: SLOPED, OPEN ABOVE

Sample moved from planned location?	Y	N	Reason: —
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1 ft x 1 ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
BROWN SAND SOME SILT BENEATH VEG COVER		

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N)	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches: —

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/23/13
Sample ID:	NASB-SKT-PD2-51332 - 0003	**Inspector:**	Todd Belanger
Sample Time:	1300	**Crew:**	RANDY JENKINS
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?	—		

Ground Surface Description: SLIGHT SLOPE, WOODED, SAMPLE NEAR TREE

Sample moved from planned location?	Y	N	Reason: —
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
BROWN SAND SOME SILT ROOTS THICK LAYER ABOVE	M(oist)	N?

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N)	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches: —

SAMPLING RECORD - SOIL

PARSONS

Project:	NASB Orion Street Skeet Range	**Date:**	7/23/13
Sample ID:	NASB-SKT-PD2-55333-0003	**Inspector:**	Todd Belanger
Sample Time:	1325	**Crew:**	RANDY JENKINS
DUP ID:	—	**DUP Time:**	—
MS/MSD Collected?	—		

Ground Surface Description:

Sample moved from planned location?	Y	N	Reason: —
New (additional) location?	Y	N	
New coordinates recorded?	Y	N	

Sample Depth: 0-3" (below vegetative cover). Composite sample homogenized from 1ft x 1ft area. Hand collected with disposable scoops and bags.

Lithology:	Moisture [D(ry), M(oist), W(et)]	Potential Fill Material (Y/N?)
BROWN SAND SOME SILT BELOW PINE NEEDLE COVER (1-2")		

Clay Targets Present (Y/N)	Description and number: —
Shotgun Pellets Present (Y/N) —	Description and number: —
Photo ID: —	Photo Description: —
Photo ID: —	Photo Description: —

Additional Notes / Sketches:

—

APPENDIX G. EROSION CONTROL MIX (ECM) BERM - SPECIFICATION

Reference: Maine DOT Standard Specifications-

This appendix contains the material and construction specifications for use of ECM berms for erosion/sedimentation control.

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C. SHEET AND RILL SEDIMENTATION CONTROL (SR-SC)

2. EROSION CONTROL MIX BERM

Definition and Purpose

Erosion control mix berm is a temporary sediment-retaining barrier consisting of a continuous berm made of erosion control mix. The erosion control mix berm is designed to pond sediment laden water, reducing the flow velocity for a long enough period of time to promote settlement of sediment. It is not designed to filter sediment through the structure although new research indicates that the berm will provide filtering of sediment.

Appropriate Applications

- Down hill edge of disturbed slopes.
- Perimeter protection around soil stockpiles.
- Often used on sites where silt fence is difficult to install (i.e., shallow ledge, or stony soils).

Limitations

- Not intended for areas receiving concentrated flows (i.e., ditches, downspouts, drainage swales or streams).
- Must be maintained.
- Must be in a location where it can be accessed for maintenance.

Standards and Specifications

- Erosion control mix berms shall be placed along a contour, to provide maximum storage capacity and limit flow parallel to the berm.
- Erosion control mix berms should have a relatively level area immediately up-gradient to provide an area for ponding. This area should be as wide as practicable.
- Maximum uphill drainage area should not exceed 100 feet as measured perpendicular to berm.
- For erosion control mix berm sizing see Figure 1.
- Side slopes of the berm shall be no steeper than 1:1.
- Berms shall consist of erosion control mix, meeting Materials Specification 717.04 (d). Alternative materials may be approved by the Resident on a case-by-case basis.

Application Procedures

- Cut tall grasses and woody vegetation from application area to prevent short circuiting of flow under berm.
- Material may be placed by hand, machinery, or pneumatic blower.
- End sections of erosion control mix berms shall be curved uphill to a point that the base of the end sections is at or above the elevation of the top of the berm along the contoured length.

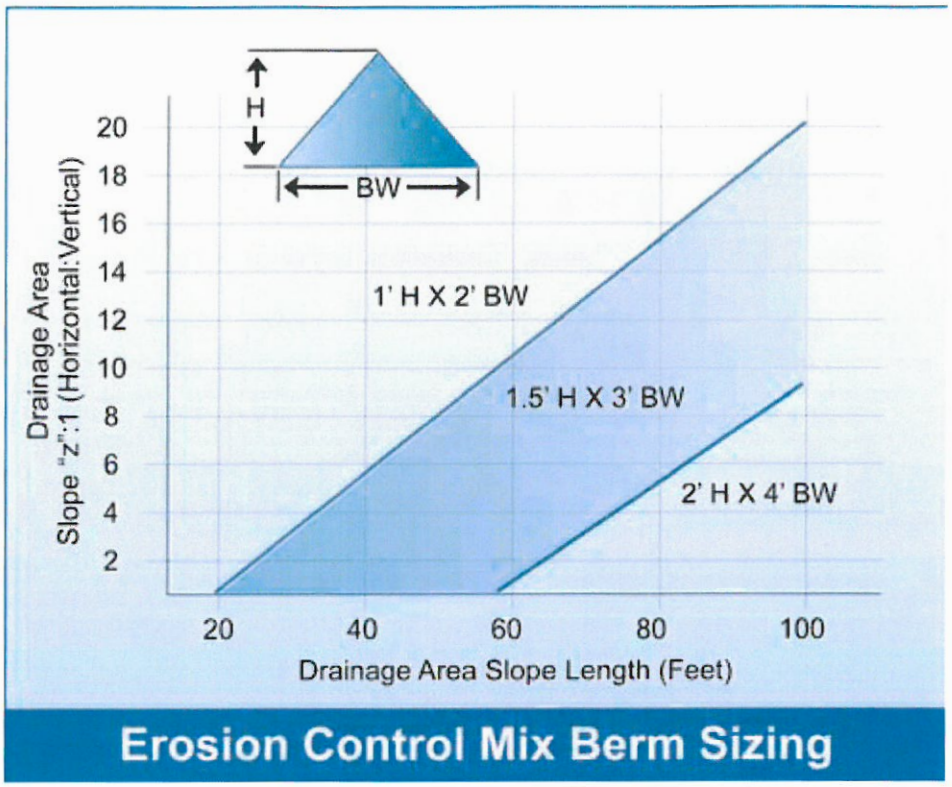

Figure 1

Maintenance and Inspection

- Erosion control mix berms require inspection weekly and before, during and after each storm event. Repairs shall be made immediately.
- Inspections should look for sections where water is running over, under, or through the erosion control mix berm and causing short circuiting of flow or erosion of the soil or the berm material.
- When sediments reach half the height of a barrier, the sediment shall be removed immediately and disposed of in an approved location.
- Temporary erosion control mix berms shall be removed or if approved by the Resident, broken up and spread over the ground once permanent stabilization has been achieved on upgradient disturbed areas. Final treatment (seeding) of this area will be as directed by the Resident.

References

- Materials Specification Section 717.04 – Mulch

APPENDIX H. REGULATORY REVIEW COMMENTS

This appendix contains copies of written reviews and the responses provided.

(*To be updated when comments and responses are available to do so.*)

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Orion Street Skeet Range (OSSR) & Fitch Avenue Skeet Range (FASR) - Soil Remediation
Former Naval Air Station, Brunswick, Maine

Response to MEDEP review of the Draft Remedial Action Work Plan

General Comments:

1. MEDEP appreciates the Navy's desire to remove the lead contaminated soil from both the OSSR and the FASR. However, the schedule for the skeet ranges has been very aggressive and has not followed typical CERCLA process so the Navy should be aware until there is adequate documentation of all the data and stakeholder approval including the public comment this work is being undertaken at the Navy's risk.

   Response: Elevated levels of lead have been found at the OSSR and FASR. The Brunswick Navy Team believes that mitigation of areas with known risk should be accomplished as soon as possible to the extent practical. Waste characterization sampling will be accomplished to properly characterize and dispose of soils with high lead levels. The Navy will conduct a risk assessment after the soil removal to insure that the remediation was successful and appropriate environmental actions are considered and executed as necessary. It should be noted that a Time Critical Action Memo will be prepared and distributed to members of the public to support this action. In addition, the FASR will continue to be investigated in the future along with stakeholder input to insure that appropriate environmental issues are addressed.

2. More specificity needs to be added to the workplan some of which is outlined below. It appears that the removal contractor will be making the final decisions in the field and this is unacceptable. This information must be included in the workplan before MEDEP can approve it. It is preferable to MEDEP to make field changes, if necessary.

   Response: The Navy will consider all MEDEP concerns and address as detailed below and in revised work plan. The Navy would like to note however, that field programs of this nature typically involved some decision making in the field to account for unplanned or unforeseen issues during the actual cleanup as well as dynamic field conditions. The Navy will contact the regulatory agencies for any field changes requiring their input.

3. The work plan needs to include a summary of the statistical approach and Pro-UCL output files from the statistical analysis used to determine where removal of soil will meet the project criteria in each decision unit (DU). It also needs to specify which data are included from the remedial investigation sampling. It would be helpful to have a table of the samples that are not included in the calculations and the rationale for their removal. Based on the data files received from Parsons, all of the 0-3 inch interval data is used for calculations supporting this removal action. MEDEP evaluated the data provided by Parson's and determined UCLs that differ from those listed as the pre-removal values in Section 1.3.3.3, and is working with Navy's contractor to identify the reason for the discrepancy.

   Response: The data has been provided to MEDEP, and Parsons reviewed the approach with the MEDEP in person. The dataset provided to MEDEP is correct, and will be hereafter referred to as the "baseline dataset". This dataset includes all soil data for DU 2 and DU 3 collected from the interval of 0 to 3 inches bgs or 0 to 12 inches bgs. Data collected from other intervals were excluded.

   It is agreed that the dataset used to calculate the baseline values presented in the work plan was incorrect due to erroneously omitting a couple phase II pre-design samples and the exclusion of soil samples in DU 2 close to the pond. This has been corrected and the baseline dataset that will be used moving forward. The correct baseline 95th UCL for DU 2 and DU 3 will be included in the Final

Work Plan. Using the baseline dataset, both MEDEP and the Navy calculated the same 95th value, demonstrating that we are following the same process using the same data.

4. Based on the previous data collected at the site, and the observations and photos from the pre-characterization sample collection, there are two areas where clay pigeon fragments are widespread in the shallow soils. One of the areas includes SS-257, where possible remnants of a throwing stand were identified, and SS-13 and SB02 where fragments were noted. The second area includes SS46, SS-201, and SS-202, all of which included clay pigeon fragments. This may be an additional former throwing stand location. These areas should be included in the soil remediation plan, or need to be addressed in a follow-up action.

   Response: This remedial action is specifically designed to address elevated levels of lead in the soil. The original RI/SI results indicated low lead levels in these areas, and pre-design soil samples were collected in the same area, resulting in similarly low lead concentrations. These areas were not included based on results of the previous sampling. Areas where lead shot may be concentrated do not necessarily coincide with where skeet and skeet fragments fall. The shot fall is a greater distance.

5. The rationale and objectives for the PAH samples are not well defined in the work plan. Please add a section describing how the data will be incorporated into the existing dataset to support future risk assessment. Additional PAH sampling may be needed to support removal of shallow soils in the areas where clay pigeon fragments have been identified.

   Response: Following completion of the remedial action, a risk assessment will be conducted. The Navy plans to collect additional PAH data as necessary to support a risk assessment. These samples are proposed to be collected at a subset of the confirmatory sampling locations to augment the site dataset for the risk assessment. The proposed PAH samples are not related to this remedial action or the confirmatory sampling; the proposal to collect the PAH samples at this time is driven by the efficiency of requesting the lab to analyze soil samples that are already being collected for this additional analysis.

   Based on conversations with MEDEP on October 9 and 10, 2013, the number of PAH samples proposed have been reduced and are shown in the updated Figures 5A through 5C. The need for any future work related to PAHs or other contaminants would be evaluated after completion of the risk assessment.

6. Additional detail is needed in Table 3-1 to describe the very shallow samples taken for confirmation of the excavation bottom (about an inch deep) and the lead and PAH samples taken at a smaller number of locations from 3-12 inches (0-9 inches relative to the bottom of the excavation). It would also help to add a column noting the number of samples for lead only vs lead and PAHs

   Response: Table 3-1 will be revised accordingly.

7. Please explain how the work will be staged to prevent the lead contaminated soil from being worked deeper into the soil by the heavy equipment during the tree removal, scraping of the leaf litter, and removal action.

   Response: The Navy has determined that the use of heavy machinery is necessary to support a cost effective soil removal effort. Hand digging everything would be cost-prohibitive, and not possible in many areas where the surface root layer is too heavy or on the steep slopes. Efforts will be made to minimize the mixing the shallow surface soil with deeper soil, but it cannot be completely prevented. During tree removal trees will be cut close to ground surface. This will help minimize the maneuvering of the equipment as tree removal progresses and while soil is being scraped out. The contractor will attempt to scrape without excavation of the stumps that would leave deep holes. Where scraping results in smaller stumps or heavy root disturbance, it may be necessary to remove more of the loose material, resulting in what would be considered over-excavation.

8. MEDEP cannot comment on the FASR until the additional data is collected by Tetra Tech. Other than the original presence/absence investigation MEDEP does not have anything but metals data. What analytes has the Navy sampled for at this site? Since the original preliminary investigation the focus has shifted to the current location but the conceptual site model no longer applies. MEDEP has not been involved the design of follow up sampling, and it's unclear if the area has been adequately investigated. Without adequate investigation it is uncertain whether a removal of the lead contaminated soil will address all the environmental concerns at the site.

   Response: Elevated levels of lead have been found at a limited area of the FASR. The Brunswick Navy Team believes that mitigation of areas with known risk should be accomplished as soon as possible to the extent practical. Sampling will be accomplished to properly characterize and dispose of soils with high lead levels. In addition, the Navy will continue to evaluate the FASR to insure that appropriate environmental actions are considered and executed.

9. What is the basis for the size of the removal area around an elevated concentration?

   Response: The proposed excavation boundary was delineated based on the available data. The determination of the proposed boundary depended on the distribution of data and its concentrations. In some cases, pre-design soil samples were used to bound the excavation. For all excavation areas, the exact boundary of the area will be confirmed by evaluating confirmatory soil sample results.

Specific Comments:

10. <u>Section 1.2, Remedial Design Goals, para 1</u>:

    a. The site cleanup objective must be proposed by the Navy, as lead agency, and accepted by the regulators. MEDEP and the Navy have discussed a potential ecological remedial action goal for soil but it has not been codified. Please revise the first sentence.

    Response: The risk based remedial goal is 155 mg/kg based on terrestrial avian receptors. The cleanup goal will be implemented on a DU-wide mean/95UCL basis. It is expected that the final DU wide mean/95UCL will fall in the range of 130-155 mg/kg lead. The text will be revised to read "The site cleanup objective is a remedial management value between 130 mg/kg and 155 mg/kg for lead."

    b. Para 2: The section should be clear that these DU's are the 0-3 inch below ground surface. The goal is to ensure contaminated soil (0-3 inch soil bgs) is removed so that the calculation of the 95% upper confidence limit is 130 mg/kg or less in each DU. The floor confirmation samples will need to be used in calculating the risk from the other deeper soil samples.

    Response: The text will be clarified to define surface soil as 0 to 3 inches bgs. The goal of the remedial action is to mitigate risk for exposure to lead in the surface soil. Completion of the remedial action will be demonstrated by achievement of the site cleanup objective, which is a remedial management value between 130 mg/kg and 155 mg/kg for the 95 UCL for lead for each DU.

    c. Para 3: MEDEP prefers that if possible the embankment be remediated during this removal action because this is an area is likely used more extensively by wildlife. The Navy hasn't begun to investigate the pond and it may take years to get back to remediate the area. Also it will need to be determined whether to treat the impoundment ponds and Picnic Pond as one system or not. MEDEP is not willing to commit to identifying DU-4 at this time.

    Response: The Navy is currently developing an investigation work plan to develop and verify a site conceptual model and risk assessment for the impoundment & Picnic Pond Drainage system. This work plan will be available for public review within the next several months. According to the Navy's current planned schedule, the field investigation will occur during the 2014 field season.

A site walk was conducted with the Navy team and MEDEP on October 10, 2013. At this time, the water levels in the impoundment are low and it is highly likely that hot spots previously identified and located on the slopes will be included in this remedial effort

11. Section 1.2 – 1.3.3.3: The bottom sample values cannot be included in the surface sample calculation of the 95% UCL, they should be added to the subsurface soil dataset. Discussion on the conference call October 9th outlined an approach to consider use of the backfill lead data or a subset of the bottom samples. The density of data for the bottom samples is much higher than for the DU as a whole, and would "weight" those data improperly. Navy's contractor pointed out on the call that there will also be a high number of perimeter samples focused around a hot spot too. Taking that into consideration adding the bottom samples into the calculation is acceptable if the data for the backfill are less than 20 PPM for lead.

    Response: At this time, we do not anticipate needing to bring backfill on site. Without backfill, the bottom sample will be collected at 0 to 3 inches and the results will be treated as described in the work plan. In the event that backfill (top soil) is required in certain areas to promote re-vegetation, then:

    - The specific area where top soil will be placed will be delineated. This may be as small as a subsection of an excavation area.
    - In these areas, prior to backfilling a sample will be collected from 0 to 3 inches below current ground surface. This data will be used to calculate the 95th UCL of the DU to determine achievement of the management goal.
    - Since the soil represented by the sample will be covered with fill, it will not be used in the dataset for risk assessment purposes.
    - Data representative of the fill material will not be added into the dataset for the following reasons:
        - We know that the fill is acceptable and not impacted. It may be above the site cleanup goal, but it is unreasonable to think that a site with clean fill be remediated.
        - The purpose of the remedial action is to remove elevated levels of lead to mitigate risk. To confirm that this action is complete, it is most appropriate to sample and include results for the soil we are leaving on site to document that we have achieved the horizontal and vertical limits of elevated lead. As such, for the purposes of confirmatory sampling and the 95th UCL, only the confirmatory results of soil left on site will be used.

    The state has noted that there is significant data at the site. Therefore, the exclusion in the risk assessment of a few floor confirmatory samples that are now covered in top soil should not negatively impact the risk assessment.

12. Section 1.3.2, Previous SI and RI Sampling, Para 2: Please identify the two sample locations greater than 3 inch where the lead concentration was elevated and note the concentrations.

    Response: Samples were collected at the interval of 3 to 12 inches bgs at SS06 and SS07 with concentrations of 342 mg/kg and 720 mg/kg, respectively. Both samples are located north of the water impoundment and have elevated surface soil locations and are included in proposed excavation areas.

13. Section 1.3.3.3, Results,Para 2: Please rephrase "Subsequently, at these two locations (SS-19 and SS-21), the Navy decided to remove the soil samples,…" Please consider "decided to remove the soil from the two locations" or something similar. This section also overlooks that in addition to the confirmation samples the Navy also performed additional sampling to the east that came back with elevated lead concentrations. Please revise.

    Response: The reference is to section 1.5.1, Para 2. The text will be amended accordingly.

14. Section 1.5.2, FASR Scope: The geophysical investigation identified potential buried debris at this site, those anomalies need to be incorporated into the plan for removal of soils. Additionally there are

no data for other potential contaminants since we do not fully understand the conceptual site model for this site. Sample collection needs to address the data gaps for other potential contaminants of concern, similar to the other Areas of Potential Interest at the Base.

Response: The Navy is in process of investigating the anomalies in order to identify the nature of the anomalies. This information will be available for discussion prior to conducting the soil removal activities at FASR. The objective of this field remediation effort is to remove the known lead contaminated soils. Composite soil samples collected for waste disposal characterization will give some indication of the potential presence of other possible contaminants.

15. Section 2.3.1, Project Records: As part of the report for this work, please submit an electronic spreadsheet of the GPS bounds of all the final excavations and sample location coordinates for MEDEP's GIS, and an electronic data deliverable (EDD) of the lead and PAH confirmation data.

    Response: Noted. This record information will be provided.

16. Section 3.1.3, Mobilization:

    a. Bullet 3: MEDEP appreciates the opportunity to meet with the contractor in the field to go over the workplan. (No response required.)

    b. Bullet 5 and Figure 2-2: Please clarify when the final locations will be proposed for staging areas and silt fencing, and how the project team will be able to provide feedback.

    Response: The final locations will be identified by the field team and contractor management personnel approximately October 17. This information will be discussed during the site kick-off meeting to be scheduled for Monday morning, October 21. Verbal feed-back is expected to enable the earthwork to begin.

    c. Para 2: Please identify the contractor who will be doing the removal and disposal of the soil.

    Response: K&K Excavating, Inc.

    d. Hauling hazardous and/or special waste requires State licensed hauler in accordance with the Solid Waste Rules, Chapter 411 Non Hazardous Waste Transporter Licenses and with RCRA for Hazardous Waste transportation.

    Response: Noted. K&K will subcontract the hauling of special and hazardous waste to a qualified company. Almighty Waste of Auburn Maine is the special waste hauler. A hazardous waste hauler will be identified if hazardous soil trucking is required.

17. Section 3.1.5, Working and Staging Areas, para 2:

    a. The decon areas need to be located and shown on figures prior to finalization of the workplan. The trucks and excavators will need to be decontaminated before moving to other areas to be excavated. If equipment is to be trailered between work areas then that needs to be established in the workplan. If a trailer is to be used then the workplan needs to address how the Navy proposed to prevent the truck/trailer from tracking or spreading contaminated soil around.

    Response: The plan is to prevent haul trucks or equipment trailers from tracking into the soil of an excavation area that has not been fully remediated. If excavation equipment that has operated within the clearance area boundary will not be trailered but will crawl from one area to the other, a decon pad adjacent to the first excavation will be established. Trailered equipment will be unloaded onto a decon pad, cleaned, and either re-trailered to move to the next location under its own power. Final decon area locations are to be selected in the field. See response to item 16 b.

b. The trucks and excavators should be cleaned with soap and water not just a dry brushing and/or washing. Please revise.

Response: The Navy will employ decontamination methods to minimize cross contamination of equipment. Soap and water will be employed if it is determined that dry brushing or washing is not effective.

c. More information is required if the excavated material is to be stockpiled including but not limited to the locations, erosion control, dust control, etc.

Response: Stock piles will be covered, unless it will be loaded for hauling within 24 hours. More detail will be provided in the WP.

18. Section 3.1.6, Control of Run-On and Run-Off Waters:

a. If there is a need to keep the excavations open while data are pending, the work plan will need to have information on diversion of water until the excavation can be backfilled. At the FASR if the excavations are deeper than 6 inches, water may need to be pumped out. If there is a possibility the digging will be in the wet than additional detail will be needed to describe how wet soil and water will be handled.

Response: The work plan addresses the use of check dams and erosion control berms for the open excavation areas. At the FASR, storm water is discharging to the south end at a regular low rate. This water will be pumped across the pedestrian path into the parkway utilizing a small trash pump. Temporary turbidity control measures will be installed at the pump discharge. The temporary pumping will be limited to the duration of work within that southernmost portion of the FASR where there is standing water as a result of the storm-water pipe outflow.

b. There appears to be an internal contradiction. Will the erosion control measure be inspected periodically or daily? Please add if there is a prolonged or heavy rain event the erosion control measures will be inspected and repaired immediately, if necessary. If there is a significant erosion/sedimentation event it must be reported to MEDEP. Please revise.

Response: This section will be revised accordingly.

19. Section 3.17, Establishment of Erosion and Sedimentation Controls:

a. "The intent is to minimize contaminated sediment transport and introduction of turbidity in the water impoundment."

The goal should be to prevent erosion and washing of contaminated and uncontaminated soil from the work area into the impoundment ponds. Please revise.

Response: The Navy is in agreement with this goal and will revise the section accordingly.

b. Please describe how the Navy proposes to minimize the amount of disturbed area during this project to prevent erosion and sedimentation to the ponds.

Response: The size of the areas that will be stripped of the vegetative layer and upper soil for disposal is determined by the proposed clearance area boundaries. Some trees within the clearance area boundaries will be left in place where they appear to be key to slope stabilization. Each clearance area will be restored upon completion of soil removal (i.e. replacement soil and/or slope stabilization mat installation will be performed upon completion of a particular clearance area).

20. Section 3.18, Protection of Wetlands: The impoundment ponds should be identified as a protected natural resource under the Natural Resources Protection Act as a stream/wetland. Please revise.

Response: The Navy will aggressively implement best management practices and erosion controls to minimize impacts to the impoundment ponds during the remediation. It should be noted that these ponds served as a storm water detention system for the Former NAS Brunswick Facility for a number of years prior to the base closure in 2011.

21. Section 3.1.9, Dust and Emissions Controls: Inhalation of dust containing lead particles can pose a human health risk so dust must be prevented and not just as a nuisance factor. Please revise.

    Response: This section will be revised accordingly and in compliance with the APP.

22. Section 3.1.10, Vegetation Management:

    a. Will all trees in the areas to be remediated be cleared or is there a size factor? If there is a size of tree that will remain will the lower branches be cleared to allow for work under the tree?

    Response: There are no physical size limitations for tree removal, but as previously discussed, not all trees will be removed. Branches will be trimmed in other areas where safe and clear access is required.

    b. If the larger trees are hauled and loaded for timber then please address what measures will be taken to prevent tearing up the site which could cause mixing of the contaminated soil into the uncontaminated soil. Also all heavy equipment driven on the work areas must be deconned.

    Response: Heavy equipment with a grappler will lift and carry the logs out of the clearance areas.

    c. Para 2: If the tree are pushed over or pulled out then the top 3 inches of soil will be mixed with under lying soil. How does the Navy propose to prevent this from happening?

    Response: Refer to Response to Comment #7.

23. Section 3.2, Impacted Soil Removal, FASR-paragraph 2: Please submit a summary table in the text or appendix that notes the data distribution and the final UCL after removal as proposed. The work plan and final report must include this information and have an appendix that has the full output from Pro-UCL. Discussion of the approach when the removal extent is being confirmed needs to be added to the plan and report. For the FASR, the area defined as the "site" that is proposed for the DU needs to be defined

    Response: Information will be added to the text to state the "baseline" UCL for FASR based on existing data. Similar to OSSR, the final UCL value and output will not be known until completion of the removal action and will be provided in the closure report. Text will be added to the work plan, similar to OSSR, to describe how the 95 UCL will be calculated with the new post-excavation data.

24. Section 3.2.1, Staking and Grade Control:

    a. To achieve the goal the contractor must take a minimum or 3 inches of soil. How often will the proposed periodic sidewall checks occur?

    Response: This will be determined by the Contractor's Site Manager and depends on the pattern in which the soil is removed. It will be frequently due to the variations in terrain and the need for constant monitoring.

    b. Note: Please provide more information on stockpiling the leaf and duff layers, the anticipated method for removal and reuse of the organic layers, and how depth control will be verified in the interior of the larger excavations.

Response: A combination of hand tools, such as; rakes, and pitch forks along with the excavation equipment may be utilized to attempt to reduce this layer without digging into the mineral soil layer below. However, if it is determined to be problematic or a risk to the integrity of the unexcavated top soil layer, the material will be loaded out with the soil. If the material can be brushed aside, it is to be broad-cast or staged outside of the clearance area boundary and out of the way of equipment access around the clearance areas. If practical, it may be piled for access to spread back onto the excavation area as a final restoration measure.

25. Section 3.2.2, Excavation of Soil:

    a. The excavator should use a flat bladed bucket to reduce mixing and disturbance of soil deeper than 3 inches and tracked vehicles are used, then the work should be sequenced so that the excavator is not churning up the areas to be removed, or areas where confirmation samples are still needed.

    b. Para 4, Note: See comment (SECTION 3.2.1 b above)

    c. Para 5: "It is anticipated that the edges of the excavation will vary from the plan." Please explain.

    Response: Existing large trees on or near the edges may result in edge adjustment.

    d. Para 5: The plan must specify the accuracy of the Global Positioning System unit.

    Response: The GPS system accuracy will be included in the final WP.

    e. Para 6: Anywhere the excavated soil is stockpiled it must be underlain with poly sheeting.

    Response: Agreed, unless it is within the foot-print of the excavation and the waste characterization sample area from which it is being removed.

    f. Para 7: In addition to being covered the trucks must be lined.

    Response: All Soils exhibiting hazardous waste characteristics shall be transported in sealed containers to comply with RCRA and other State of Maine requirements. Soils classified as *Special Was*te shall be managed and transported in accordance with requirements specified in http://www.maine.gov/dep/waste/transpinstall/nonhaztransp.html. More specifically, the requirements state that

    - all non-hazardous waste transported must be properly contained during transportation to prevent a discharge to the environment;
    - all non-hazardous waste transported within the State of Maine must be transported to solid waste facilities which are duly licensed or are exempt from licensing;

    As a result, lining of waste disposal containers shall be accomplished if necessary to prevent a discharge to the environment.

26. Section 3.3, Table 3-1 and Figures 5A, 5B, and 5C: The table and figures need to clarify that the PAH locations are actually PAH and lead confirmation sample locations.

    Response: Tables and figures will be revised accordingly.

27. Section 3.3, Confirmatory Sampling of Excavation Area:

    a. Para 1: If the excavation is greater than 12 inch, although not expected, it will still be necessary to take sidewall samples at the same rate as the shallow depth. Therefore please remove the fourth sentence that states no sidewall samples will be collected.

Response: The text will be revised to state "In the unanticipated event that the excavation extends beyond 12 inches below adjacent ground surface, a sidewall sample may be collected, as appropriate, at the same frequency as perimeter samples."

b. Table 3-1: Bottom confirmation sample can be reduced to 1 per 2500 square feet or at least one per removal area. Confirmation samples should be taken to a depth of 1 inch but if samples are to be taken for PAH to be used in the risk assessment then the sample should be collected from 3 to 12 inches interval (below normal ground surface). The PAH samples to be used in risk assessment should be reduced so not to overly focus on the concentrations within these removal areas. (Also see comment 7 above.)

Response: Agreed. Confirmatory sample frequency is reduced to approximately 1 per 2,500 square feet and will be reflected in the revised table and figures 5A through 5C.

28. Section 3.3.1, Confirmatory Sampling Methodology: Both the SOPs in Appendix B are referenced as are using the 2011 Tetra Tech 2011 investigation. USA's SOP for soil sampling lacks detail so MEDEP prefers USA use Tetra Tech's SOP for soil collection which will also ensure consistency in collection and processing methods.

Response: The SOP will be updated to indicate that the samples will be homogenized.

29. Section 3.4.4, Transportation and Disposal:

a. Para 2: Please specify the disposal facility for the non-hazardous (special waster).

Response: The Waste Management facility in Norridgewock is the proposed disposal facility.

b. Para 4: Please specify the state and federal laws the transporter must meet.

Response: The WP will be revised to include reference to Solid Waste Rules, Chapter 411 Non Hazardous Waste Transporter Licenses, RCRA Hazardous Waste Regulations (40 CFR 260 to 262, 264), and United States Department of Transportation Rules for Hazardous Materials Transport (49 CFR 107, 171 to 178).

30. Section 3.4.5, Decontamination Water: Please specify the receiving facility for the decon water.

Response: The project team is looking into disposal options for the decon water. The water will be sampled and a receiving facility selected based on the waste characterization.

31. Section 3.5, Import Backfill: Please also include a copy of the data in the After Action Report, and if possible in the electronic data deliverable to MEDEP.

Response: Noted. If import fill is placed the sampling data will be included in the AAR and provided to MEDEP electronically.

32. Section 3.7; Site Restoration:

a. If the removal action starts this fall it will be too late to for grass seed to germinate. It will be necessary to put a biogradeable mat down to prevent erosion over the winter and spring months. It would be better if the seed mix was plants that are native to the area and not just grass.

Response: Noted. Biodegradable erosion control mat will be installed where required following removal of contaminated soils and prior to demobilizing for the winter. Native plant/grass seed will be used.

b. It is unclear if only backfill is to be used or if top soil is going to be added. This information must be added.

Response: The Navy will take steps to minimize erosion over the winter until vegetation can be established. The seed mixture shall conform to Maine DOT specification 717.03, http://maine.gov/mdot/contractors/publications/standardspec/docs/ss_combined.pdf

Backfill will be provided if necessary to level out areas where grading alone will not be sufficient. Topsoil will be proposed be added to areas where there is insufficient organic matter to support healthy vegetative growth.

33. Section 4.5.3, Summary Report: Please provide a detail description of the work performed. An EDD of the data must be provided to MEDEP.

Response: Agreed.