Montana Environmental Trust Group, LLC
Trustee of the Montana Environmental Custodial Trust
By Greenfield Environmental Trust Group, Inc.,
Member

GETG
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June 18, 2010

SENT BY CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Linda Jacobson (2 Copies)
RCRA Project Manager
US EPA Region VIII
8ENF-T
1595 Wynkoop Street
Denver, Colorado 80202-1129

Betsy Burns (1 Copy)
Environmental Protection Specialist
EPA Region VIII
Montana Office
10 West 15th St., Suite 3200
Helena, MT 59626

RE: Consent Decree Civil Action No. CV 98-3-H-CCL East Helena Site
Work Performed in late May 2010 and early June 2010; Progress Report #137

Dear Linda and Betsy:

On May 5, 1998, ASARCO and the United States Environmental Protection Agency (EPA) entered into a Consent Decree (the Decree) to further the objectives of the Resource Conservation and Recovery Act (RCRA) and the Clean Water Act (CWA). On December 9, 2009, the Montana Environmental Custodial Trust (the Custodial Trust) was established as part of the larger ASARCO bankruptcy settlement agreement approved by the Bankruptcy Court (SD, Texas) and the US Federal District Court (SD, Texas). A Consent Decree and Settlement Agreement

regarding Montana Sites (the Settlement Agreement) was entered into by ASARCO, US Department of Justice (DOJ), US Environmental Protection Agency (EPA), the State of Montana (the State) and the Montana Environmental Trust Group, LLC, not individually, but solely in its representative capacity as Trustee for the Montana Environmental Custodial Trust. The Settlement Agreement describes the role and responsibilities of the Custodial Trust, which include owning, managing, and overseeing the clean-up and revitalization of ASARCO's property in East Helena, Montana (the Site). The United States and the State of Montana are the two designated beneficiaries of the Custodial Trust.

Pursuant to the Settlement Agreement, a motion to reopen the Decree and substitute the Custodial Trust for ASARCO was granted by the US Federal District Court in January 2010. As of the date of this report, EPA, DOJ and the Custodial Trust are in the process of finalizing a First Modification to the Decree that will conform to the terms of the Settlement Agreement. The Custodial Trust submits this progress report under the Decree subject to and pending the finalization of the First Modification to the Decree. Nothing herein, or in the substitution, should be interpreted or construed to constitute an unqualified acceptance of the terms of the Decree by the Custodial Trust or a waiver or release of its right to a modification of the Decree consistent with the Settlement Agreement. The Custodial Trust reserves all rights to object to those parts of the Decree that it reasonably believes are inconsistent with the Settlement Agreement. As with this report, future progress reports prescribed by the Decree, as so amended, will be submitted to EPA by the Custodial Trust.

Section XII of the Decree (Reporting: Corrective Action) requires submittal of certified monthly progress reports to EPA to describe the actions taken to achieve compliance with the Decree. The reports are to be submitted to EPA no later than the twentieth (20th) day of the subsequent month. The following describes those activities that have occurred or are related to activities that took place during late May and early June of 2010. As to actions performed by ASARCO, the Custodial Trust's predecessor-in-interest, the descriptions are based on information and belief only. The historical steps taken to achieve compliance with the Decree are contained in previous monthly progress reports.

a. **Describe the actions, progress, and status of projects which have been undertaken pursuant to Part VII of the Decree.**

1. Groundwater and Surface Water Level Monitoring

Groundwater and surface water level monitoring was initiated in April 2010 and continued in May 2010 under three separate programs or "time-critical" tasks, including: 1) the Groundwater/Surface Water Interaction Task, 2) the Supplemental Groundwater Level Monitoring Task; and 3) the Southwest Lamping Field Groundwater Evaluation Task. The GW/SW Interaction and SW Lamping Field tasks are included in the Phase II RFI Site Characterization Work Plan. The Supplemental GW Level Monitoring task was added as a time-critical task to obtain additional information on trends in water level fluctuations (hydrographs) between various surface water features and groundwater throughout the project area.

Under the Groundwater/Surface Water Interaction Task, the piezometers and staff gages were installed and water level monitoring initiated in April 2010. The water level monitoring program (which encompasses the three tasks described in the preceding paragraph) includes 13 surface water sites and 29 groundwater sites. Of the 29 groundwater sites, 20 are pre-existing monitoring wells and nine are piezometers installed in March 2010/April 2010 specifically for the groundwater/surface water interaction evaluation. Of the 42 total sites, 17 have been instrumented with automated water level and temperature recording devices (transducers), programmed to record data at four-hour intervals. Water levels at the remaining 25 sites were recorded manually. The 42 monitoring sites are listed in Table 1 of this monthly progress report along with site descriptions and monitoring dates. Monitoring locations are also shown on Figure 1 of this monthly progress report. The following discussion summarizes the May 2010 water level monitoring activities for each program.

- Supplemental Groundwater Level Monitoring Program

  The supplemental groundwater level monitoring program includes seven wells, which are listed on Table 1 and shown on Figure 1 of

this monthly progress report. Each well is instrumented with a transducer that measures the water level and temperature in the well every four hours. In addition, manual water level measurements were collected on April 7, April 15, May 5, May 20, and June 4, 2010. Transducer data was downloaded on April 15, May 5, and June 4, 2010 and corrected for barometric pressure readings, collected by a baro-logger installed in APSD-8. The corrected data is shown on Figure 2 of this monthly progress report. Water levels in these seven wells did not change significantly over this period, but started to increase in late May 2010.

- Groundwater/Surface Water Interactions Study (GW/SW Interaction) The groundwater surface water interaction study includes 11 wells, 11 piezometers, and 11 surface water sites as shown in Table 1 and Figure 1 of this monthly progress report. Static water levels and staff gauge readings of these sites were collected on April 7, April 15, May 5, May 20, and June 4, 2010. Of particular interest is the interaction of groundwater and surface water in Prickly Pear Creek adjacent to Lower Lake. Piezometers have been installed at two locations within the PPC hyporheic zone (IP-102 and IP-103), and between PPC and Lower Lake (PZ-102 and PZ-103), with the piezometers located in line with monitoring wells APSD-7 and APSD-8 as shown on Figure 1 of this monthly progress report. All of these sites are instrumented with transducers. In-stream piezometers (IP-102 and IP-103) are paired with surface water sites (PPC-102 and PPC-103) to determine if and when PPC is gaining or loosing flow through this reach. However, these transducers could not be downloaded on June 4, 2010 due to limited access from very high flows. These two paired surface water sites have been damaged by very high flows in the creek and will need to be repaired once water levels decrease. The pressure-corrected data from these sites is shown in Figure 3 of this monthly progress report. The data show that groundwater levels are generally higher than the corresponding creek levels, indicating the stream is recharged by groundwater in this area. However, this relationship reverses when the stream stage rises rapidly due to

snowmelt runoff (between 4/22 and 4/23 and 5/27 and 6/4) as shown on Figure 3 of this monthly progress report.

- Southwest Lamping Field Groundwater Evaluation (SW Lamping Field)
  The southwest lamping field groundwater evaluation includes monitoring wells EH-128 and EH-132, which exhibited elevated arsenic concentrations in groundwater since drilled in spring 2009 (see attached Table 1 and Figure 1). Both wells are instrumented with transducers programmed to record water levels and temperature at four-hour intervals. Manual water level measurements were collected on April 7, April 15, May 5, May 20, and June 4, 2010. The barometric pressure-corrected transducer data for these wells is included on Figure 4 of this monthly progress report. As shown in the figure, water levels in these wells were relatively stable until flow was introduced to Wilson Ditch from Upper Lake on May 17 after which groundwater elevations in these wells increased by more than 10 feet.

  In summary, the water level data collected in April 2010 provides valuable background or baseline information for comparison to water levels recorded during spring runoff and Wilson Ditch flow, which began in May 2010. Information collected to date in the vicinity of Prickly Pear Creek and Lower Lake indicates the creek is a gaining stream in this reach, except during periods of high stream stage resulting from runoff. The water level data will continue to be collected through the summer of 2010, and evaluated on a monthly basis.

2. RI/FS Long-Term Monitoring Program
   On May 10, 2010, water levels were collected from all the Post-RI/FS Long-Term Monitoring Program wells. Sampling of the Post-RI/FS Monitoring Program wells began on May 11, 2010 and samples were collected from six wells. Monitoring wells sampled on May 11 included two new wells drilled in April 2010 (EH-200 upgradient of Seaver Park and EH-202 downgradient of the former municipal landfill) and the four

wells located north of the site (EH-126, EH-130, EH-129, and EH-134, referred to as the selenium plume front wells). The sampling event was placed on hold after May 11 to allow additional monitoring wells (scheduled for drilling in June) to be included in the comprehensive sampling event. The May 11 sample results are presented in Table 2 of this monthly progress report. Pursuant to Section VII, paragraph 119 of the Decree, the Trustee is providing a copy of the fully executed access agreement with the landowner (Larson) where a Seaver Park groundwater monitoring well was installed.

Selenium concentrations and static water level trends over the last year from EH-126 and EH-130 are presented in Figure 5 of this monthly progress report. The data from these wells is being evaluated to determine if selenium concentrations at the north boundary of Lamping Field show a similar increase during spring/early summer 2010 as was detected in 2009. This information will then be used to determine an appropriate strategy and need for completion of downgradient monitoring well(s) to monitor potential plume migration to the north

On May 5, 2010 and May 20, 2010, the annual sampling of select residential and public water supply system groundwater wells, as prescribed in the 2009 Groundwater and Surface Water Sampling and Monitoring Plan (the May 2009 GW/SW Plan), was conducted. Copies of the May 2010 residential well notification letters, along with the corresponding laboratory analytical reports are attached to this monthly progress report.

On May 28, 2010, nine residential well located in the Seaver Park subdivision were sampled. Copies of the Seaver Park residential well notification letters, along with the corresponding laboratory analytical reports are attached to this monthly progress report.

3. Seaver Park Groundwater Level Monitoring

On May 28, 2010 static water levels and GPS coordinates were collected from eight residential wells located within Seaver Park. Access to additional residential wells was granted over the next several days and

on June 2, 2010 static water levels and GPS coordinates were collected from 29 residential wells and seven nearby monitoring wells. The static water levels collected on May 28 and June 2 are summarized on Table 3 of this monthly progress report. Data to date indicates that directional groundwater flow is from west to east in the Seaver Park area. Additional sampling and analysis will be performed to confirm this apparent trend.

4. Storm Water Runoff Segregation Sampling

The majority of storm water runoff from the plant site is currently collected and treated at the HDS water treatment for discharge under the facility MPDES permit. Recent demolition activities have left a significant portion of the west side of the plant site covered with temporary plastic liners or pavement. In order to document the quality of storm water runoff from various portions of the plant site, Hydrometrics collected a number of plant site runoff samples on May 24, 2010. The purpose of the sampling was to determine if runoff from specific portions of the site is suitable for direct discharge under the current facility storm water permit without treatment, or if the runoff could be made suitable for direct discharge if discrete, limited steps are taken to retain and/or manage such storm water. If so, the clean runoff could be segregated from metals-bearing runoff thereby reducing the volume of water handled at the HDS facility and thus reduce its operating costs.

Seventeen runoff water samples were collected and specific conductance/pH measured during a heavy rainfall event at various locations around the facility site. A total of nine samples were submitted for laboratory analyses including seven samples collected from the main plant site storm water sumps, and two samples collected from unpaved areas near the former Thawhouse. The field and laboratory results are summarized in Table 4 of this monthly progress report. Pending review of these results, the remaining eight runoff samples (which have been preserved with HNO_3) can be tested for metals content to better delineate the source of metals to the facility site runoff.

5. Submittal of the Phase II RFI Site Characterization Work Plan
The revised Phase II RCRA Facility Investigation Site Characterization Work Plan was submitted to the agencies on May 24, 2010. The May 2010 Work Plan version represents the Final Work Plan and incorporates the agency's comments set forth in its March 24, 2010 Conditional Letter of Approval of the September 2009 draft Phase II RFI Site Characterization Work Plan.

6. Corrective Action Management Unit (CAMU)
On April 7, 2010 and May 11, 2010, water samples were collected from the CAMU Phase 2 cell and CAMU Phase 1 cell leachate collection sumps, respectively. The sample results, which were analyzed to gain current information on the quality of the leachate water, are presented in Table 5 of this monthly progress report.

7. Baseline Ecological Risk Assessment

In response to EPA's May 4, 2010 Conditional Approval Letter for the Baseline Human Health Risk Assessment (BERA) draft work plan, the Custodial Trust solicited and evaluated proposals from firms qualified to perform the BERA. The Custodial Trust's findings and recommendations were set forth in a June 6, 2010 memorandum to the EPA, the Custodial Trust outlined the results of this effort and its analysis and recommendations for proceeding with the BERA. Based on feedback and approvals from EPA, the Custodial Trust is currently finalizing a contract to retain the services of Gradient to perform this work. Field sampling is expected to commence sometime in July.
A summary of the correspondence and data transmitted as part of the East Helena Consent Decree in late May 2010 and early June 2010 is included in Attachment I.

b. **Identify any requirements under the Part VII of the Decree that were not completed in a timely manner, and problems or anticipated problem areas affecting compliance with the Decree.**

During May 2010, two of the surface water monitoring stations installed for the groundwater surface water interaction study were damaged by very high stream flows. The damaged stations are the two in-stream piezometers (IP-102, IP-103) installed in Prickly Pear Creek adjacent to Lower Lake. We are not currently able to collect water level data from the hyporheic zone beneath the creek bed for use in evaluating GW/SW interactions in this area until repairs are performed. The in-stream piezometers will be repaired as soon as streamflow conditions allow. The temporary loss of data from this area will not affect the overall objectives of the piezometers or the GW/SW interaction study.

There were no other requirements that were not completed in a timely manner nor were there problems or anticipated problem areas that may affect compliance with the Decree.

c. **Describe projects completed during the prior month, as well as activities scheduled for the next month.**

In accordance with the 2006 Interim Measures Work Plan Addendum, Final Cleaning, Soil Sampling, Backfilling, and Interim Cap Work Plan and the 2006 Interim Measures Work Plan Addendum, Former Acid Plant Sediment Drying Area Slurry Wall, Monitoring, Operation, and Maintenance Work Plan, six areas on site where interim caps have been installed[1] are being inspected on a monthly basis. These monthly inspections were expanded to include areas where above-grade demolition activities were conducted under the 2008 Interim Measures Work Plan and the 2008 and 2009 Cleaning and Demolition Project Work Plan. The most recent inspections occurred on May 25 and 26, 2010.

In accordance with the July 2000 CAMU Design Analysis Report (Operation and Maintenance Plan), the CAMU Phase 1 cell is being inspected monthly. The most recent inspection occurred on May 6, 2010. Inspections of the

[1] The four areas include: the former acid sediment drying area; the dross plant, breaking floor, and CSHB areas; sinter plant, crushing mill, sample mill, and acid plant dust; the acid plant gas cleaning and areas; blast furnace flue, Monier flue, and blast baghouse; and the thaw house.

CAMU Phase 2 cell temporary cover are conducted on a weekly basis. The monthly and weekly inspections confirm that the CAMU Phase 1 and Phase 2 cells are operating as designed. Six additional monitoring wells to assess background water quality, and potential sources of arsenic to Seaver Park wells were installed with drilling completed on June 12, 2010.

During the remainder of June 2010, RCRA Activities planned or currently in progress will include (1), (2) continuing water level monitoring under the GW/SW Interaction Program, the Supplemental GW Level Monitoring Program and the SW Lamping Field Monitoring Program, (3) performing groundwater elevation monitoring in Seaver Park residential wells, (4) conducting the semi-annual Post-RI/FS groundwater and surface water monitoring event, (5) collecting water quality sampling of Seaver Park and surrounding residential wells, (6) completing the RFI quality assurance project plan, project management plan, community relations plan, borehole abandonment plan, health and safety plan, field sampling and analysis plan and data management plan, (7) continuing the ongoing regional hydrogeologic analysis, and (8) finalizing the Baseline Ecological Risk Assessment (BERA) Work Plan and the BERA Field Sampling and Analysis Plan, securing collection permits and planning to commence field sampling in July of 2010.

d. **Describe and estimate the percentage of studies completed.**

The following projects or studies are 100% complete:

- Pump and treat pilot scale testing for source area reduction of groundwater contamination;
- Jar testing (Phase I) of the East Helena PRB materials testing program;
- Slurry wall construction in the former acid plant sediment drying area;
- Interim capping project for the following areas:
    - former acid plant sediment drying area
    - dross area
    - sinter plant area
    - gas cleaning and contact sections of the acid plant
    - thaw house

  - blast furnace baghouse
  - blast furnace flue
  - Monier flue
  - sample mill
  - crushing mill
  - hopto pad
  - storage bins and gallery
  - acid dust facility
  - sinter stocking building
  - highline railroad
  - abandoned and new breaking floor buildings
  - groundwater sump
  - sinter plant, acid plant, and blast furnace baghouse stacks.
- January 2008 CAMU Phase 2 Cell Design Analyses, CAMU Phase 2 cell construction, and placement of 2008 and 2009 wastes within the CAMU Phase 2 cell;
- Slurry wall construction in the former speiss-dross plant area;
- Historic recordation tasks associated with the 2008 and 2009 Cleaning and Demolition Work Plans;
- 2008 Interim Measures Work Plan Addendum, Blast Furnace Flue and Monier Flue Cleaning and Demolition and Demolition Footprint Exposed Areas Soil Sampling obligations;
- Submittal of the draft Baseline Ecological Risk Assessment Work Plan (June 2009) and Field Sampling and Analysis Plan (FSAP);
- Submittal of the draft Human Health Risk Assessment Work Plan (October 2009); and
- Submittal of the draft Phase II RCRA Facility Investigation Site Characterization Work Plan (September 2009).
- Submittal of the final Phase II RCRA Facility Investigation Site Characterization Work Plan (May 2010).

e. **Describe and summarize all findings to date.**

The details of findings through early May 2010 have been described and summarized in previous monthly progress reports.

f. **Describe actions being taken to address problems.**

There were no other actions required to address problems associated with the Decree.

g. **Identify changes in key personnel during the period.**

There were no significant changes in key personnel during the period.

h. **Include copies of the results of sampling and tests conducted and other data generated pursuant to work performed under Part VII of the Decree since the last Progress Report. ASARCO may submit data that has been validated and confirmed by ASARCO to supplement any prior submitted data. Updated validated and confirmed data shall be included with the RFI Report, if not delivered before.**

Copies of the May 2010 annual residential and public water supply system wells and Seaver Park residential well notification letters, along with the respective laboratory analytical reports are attached to this monthly progress report.

Two validation packages entitled *"Validation Summary, Montana Environmental Trust Group, LLC, East Helena Plant RCRA Consent Decree, Annual Residential Well Monitoring Program Inorganic Analyses, May 5 Sample Event"* and *"Validation Summary, Montana Environmental Trust Group, LLC, East Helena Plant RCRA Consent Decree, Annual Residential Well Monitoring Program Inorganic Analyses, May 20 Sample Event"* are attached to this monthly progress report.

i. **Describe the status of financial assurance mechanisms, including whether any changes have occurred, or are expected to occur which might affect them, and the status of efforts to bring such mechanisms back into compliance with the requirements of this Decree.**

The Custodial Trust received funds for Environmental Actions earmarked for site clean-up in connection with the ASARCO bankruptcy settlement.

The Custodial Trust deposited the funds in a segregated East Helena Clean-up account and is investing and managing the funds in accordance with the provisions of the Settlement Agreement.

Please do not hesitate to call me with any questions pertaining to this transmittal.

Sincerely,

Montana Environmental Trust Group, LLC
Trustee of the Montana Environmental
Custodial Trust
By: Greenfield Environmental Trust Group, Inc.,
Member
By: Cynthia Brooks, President

Attachments
cc: Denise Kirkpatrick—MDEQ

CERTIFICATION
PURSUANT TO U.S. v ASARCO INCORPORATED
(CV-98-3-H-CCL, USDC, D. Montana)

I certify under penalty of law that this document, late May early June 2010 Progress Report and all attachments, were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

Signature: Cynthia Brooks
Montana Environmental Trust Group, LLC,
Trustee of the Montana Environmental Custodial Trust
By: Greenfield Environmental Trust Group Inc.,
Member
By: Cynthia Brooks, President
Date: June 18, 2010

ATTACHMENT 1
SUMMARY OF CORRESPONDENCE
LATE MAY 2010 AND EARLY JUNE 2010 PROGRESS REPORT
CONSENT DECREE: EAST HELENA SITE

DATE SENT	SENT FROM	SENT TO	SUBJECT	RESPONSE
Attached to this Monthly Progress Report	Cynthia Brooks	Linda Jacobson and Betsy Burns	May 2010 Residential and Public Water Supply and Seaver Park Well Notification Letters/Results	No Formal Response Required
Attached to This Monthly Progress Report	Cynthia Brooks	Linda Jacobson and Betsy Burns	Validation Summary, Montana Environmental Trust Group, LLC, East Helena Plant RCRA Consent Decree, Monthly Residential Well Monitoring Program Inorganic Analyses, May 5, 2010 Sample Event	No Formal Response Required
Attached to This Monthly Progress Report	Cynthia Brooks	Linda Jacobson and Betsy Burns	Validation Summary, Montana Environmental Trust Group, LLC, East Helena Plant RCRA Consent Decree, Monthly Residential Well Monitoring Program Inorganic Analyses, May 28, 2010 Sample Event	No Formal Response Required
Attached to This Monthly Progress Report	Cynthia Brooks	Linda Jacobson and Betsy Burns	Supportive Tables and Figures as Described in the Report Text	No Formal Response Required

Consent Decree Civil Action No. CV 98-3-H-CCL, East Helena Site

Work Performed in Late May 2010 and Early June 2001

Progress Report #137

Figures and Tables

TABLE 1 - GROUNDWATER LEVEL/SURFACE WATER STAGE MONITORING EAST HELENA MONTANA

Site	Type	Transducer	Site Description/Location	Manual Water Level Measurement Dates					
				4/7/2010	4/8/2010	4/15/2010	5/5/2010	5/20/2010	6/4/2010
Groundwater/Surface Water Interaction Study (continued)									
DH-53	Monitoring Well	N	Between PPC and North Side of Slag Pile		X	X	X	X	X
DH-10A	Monitoring Well	N	Between PPC and North Side of Slag Pile west of DH-53		X	X	X	X	X
PPC-7	SW Stage	N	Downstream of W. RR bridge abutment south of Highway 12 and North of Slag Pile		X	X	X	X	X
EH-54	Monitoring Well	N	North of Gail Street between Cleveland and Morton		X	X	X	X	X
PPC-8	SW Stage	N	North of intersection of Gail St and Morton St.		X	X		X	
EH-122	Monitoring Well	N	North of Clarkco Storage paired with EH-67	X	X	X	X	X	X
EH-67	Monitoring Well	N	North of Clarkco Storage paired with EH-122	X	X	X	X	X	X
PZ-36A	Piezometer	N	Northeast of Clarkco Storage and east of EH-67 and EH-122	X	X	X	X	X	X
PZ-36B	Piezometer	N		X	X	X	X	X	X
PZ-36C	Piezometer	N				X	X	X	X
PPC-36A	SW Stage	N	In-stream directly east of PZ-36A,B,and C	X	X	X	X	X	X
EH-131	Monitoring Well	N	On north side of PPC directly north of Lamping Field	X	X	X	X	X	X
PPC-37A	SW Stage	N	West of EH-131 in main channel.	X	X	X	X	X	X
EH-127	Monitoring Well	N	South of PPC in Lamping Field directly west of Wiley Drive bridge.	X	X	X	X	X	X
PZ-9A	Piezometer	N		X	X	X	X	X	X
PZ-9B	Piezometer	N		X	X	X	X	X	X
PPC-9A	SW Stage	N	On Southwest abutment of Wiley Drive Bridge.	X	X	X	X	X	X
Southwest Lamping Field Groundwater Evaluation									
EH-128	Monitoring Well	Y	Southwest corner of Lamping Field in area of elevated arsenic	X		X	X	X	X
EH-132	Monitoring Well	Y	Southwest corner of Lamping Field in area of elevated arsenic	X		X	X	X	X

TABLE 1 - GROUNDWATER LEVEL/SURFACE WATER STAGE MONITORING EAST HELENA MONTANA

Site	Type	Transducer? Y/N	Site Description/Location	Manual Water Level Measurement Dates					
				4/7/2010	4/8/2010	4/15/2010	5/5/2010	5/20/2010	6/4/2010
Supplemental Groundwater Level Monitoring Program									
DH-18	Monitoring Well	Y	Plant site well installed in deep aquifer. Paired with DH-13	X		X	X	X	X
DH-13	Monitoring Well	Y	Plant site well installed in shallow aquifer. Paired with DH-18	X		X	X	X	X
DH-3	Monitoring Well	Y	Upgradient well completed in tertiary sediment groundwater.	X		X	X	X	X
EH-126	Monitoring Well	Y	Lamping Field wells to provide SWL data near selenium plume front.	X		X	X	X	X
EH-130	Monitoring Well	Y		X		X	X	X	X
EH-60	Monitoring Well	Y	Town of East Helena wells to determine vertical gradients in area of highly stratified water quality.	X		X	X	X	X
EH-103	Monitoring Well	Y		X		X	X	X	X
Groundwater/Surface Water Interaction Study									
APSD-8	Monitoring Well	Y	Between Lower Lake and PPC close to Lower Lake	X	X	X	X	X	X
IP-102	Instream Piezo	Y	Adjacent to PZ-102 and paired with PPC-102	X	X	X	X	X	X
PZ-102	Piezometer	Y	Between Lower Lake and PPC close to PPC	X	X	X	X	X	X
PPC-102	SW Stage	Y	In-stream upstream of PPC-103 and below Upper Lake	X	X	X	X	X	X
APSD-7	Monitoring Well	Y	Between Lower Lake and PPC close to Lower Lake		X	X	X	X	X
IP-103	Instream Piezo	Y	Adjacent to PZ-103 and paired with PPC-103		X	X	X	X	X
PZ-103	Piezometer	Y	Between Lower Lake and PPC close to PPC	X	X	X	X	X	X
PPC-103	SW Stage	Y	In-stream upstream of dam and below Lower Lake	X	X	X	X	X	X
Upper Lake	SW Stage	N	On Plant Site at Pump Station		X	X	X	X	X
Lower Lake	SW Stage	N	On Plant Site at Pump Dock		X	X	X	X	X
DH-11	Monitoring Well	N	Between S. Montana and PPC, directly east of Slag Pile		X	X	X	X	X
PPC-5	SW Stage	N	In-stream west of DH-11 and east of Slag Pile		X	X	X	X	X
DH-7	Monitoring Well	N	Between Highway 12 and NE corner of Slag Pile		X	X	X	X	X
PZ-33A	Piezometer	N	Between DH-7 and NE corner of Slag Pile		X	X	X	X	X
PZ-33B	Piezometer	N			X	X	X	X	X
PPC-33A	SW Stage	N	In-stream at NE corner of Slag Pile		X	X	X	X	X

Table 2. May 11, 2010 Groundwater Sampling Results

Well ID		EH-200		EH-202		EH-130		EH-126		EH-129		EH-134
Sample Date		5/11/2010		5/11/2010		5/11/2010		5/11/2010		5/11/2010		5/11/2010
Sample Time		10:30		16:45		13:25		14:30		15:15		15:45
Sample Code		AEH-1005-100		AEH-1005-108		AEH-1005-101		AEH-1005-103		AEH-1005-105		AEH-1005-107
Field Parameters												
pH (s.u.)		7.22		7.49		6.91		7.43		7.41		7.46
Specific Conductivity (umhos/cm)		683		484		529		537		475		366
Dissolved Oxygen (mg/L)		7.79		10.16		3.92		9.41		7.6		7.33
Temperature (C°)		9.85		11.09		10.63		10.59		12.1		12.76
Static Water Level (Ft)		30.31		63.11		47.86		56.71		57.46		57.38
Lab Parameters												
pH (s.u.)		8.0		8.0		7.5		7.9		7.9		8.0
Specific Conductivity (umhos/cm)		679		480		525		536		470		362
Aluminum	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Antimony	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005
Arsenic		0.007		0.017	<	0.005	<	0.005		0.006		0.005
Barium	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Beryllium	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Bicarbonate Alkalinity As HCO3		290		170		120		210		180		160
Cadmium (Cd)	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Calcium (Ca)		48		42		48		52		43		35
Chloride (Cl)		28		17		11		15		9		5
Chromium (Cr)	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
Cobalt	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
Copper (Cu)	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
Gold	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
Iron (Fe)	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02	<	0.02
Lead (Pb)	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
Magnesium (Mg)		31		11		12		23		14		10
Manganese (Mn)		0.02	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
Mercury	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001	<	0.001
Nickel (Ni)	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
Potassium (K)		3		10		3		2		6		5
Selenium (Se)	<	0.005	<	0.005		0.033		0.010	<	0.005	<	0.005
Silver	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005
Sodium (Na)		40		26		30		18		25		18
Solids, Total Suspended	<	10		16		70	<	10	<	10		11
Sulfate (SO4)		82		68		140		84		72		46
TDS (Measured at 180 C)		403		341		360		349		332		260
Tellurium	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Thallium	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005	<	0.005
Total Alkalinity As CACO3		240		140		100		170		150		130
Vanadium	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1	<	0.1
Zinc (Zn)	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01

All concentrations mg/L unless otherwise noted.
Metals analyses are dissolved fraction ((0.45 micron).

TABLE 3. SEAVER PARK RESIDENTIAL WELL
WATER LEVEL MEASURMENTS AND WELL INFORMATION

Well Address	Easting	Northing		Ground Surface Elevation (Ft)	5/28/10 Depth to Groundwater (Ft)	6/02/10 Depth to Groundwater (Ft)	6/17/10 Depth to Groundwater (Ft)	Stickup (Inches)	5/28/10 Groundwater Elevation (Ft)	6/02/10 Groundwater Elevation (Ft)	6/17/10 Groundwater Elevation (Ft)	Total Depth (Ft)	July 2009 As Conc. (ppb)
2700 Winslow	-111.9513	46.59383		3907.9	54.73	54.73	54.7	14.75	3853.1	3853.1	3853.2	95	9
2705 Winslow	-111.95124	46.59263		3913.4	56.05	56.03	56.34	15	3858.6	3858.6	3858.3	160	10
2715 Winslow	-111.95081	46.59309	1177.12666	3904.9		55.33	55.35	22.75		3851.4	3851.4	92	8
2720 Winslow	-111.95046	46.59342	1176.33514	3902.3		52.61	52.57	15		3850.9	3851.0	90	7
2735 Winslow	-111.94948	46.59278	1179.61544	3913.0		59.25	59.45	13.75		3854.9	3854.7	120	9
2740 Winslow	-111.94939	46.59361	1177.04126	3904.6		51.93	51.87	19.75		3854.3	3854.4	NA	8
2743 Winslow	-111.94921	46.59277	1180.22433	3915.0		65.35	62.47	9.75		3850.5	3853.4	128	8
2746 Winslow	-111.94838	46.59316	1179.94325	3914.1		62.07	62.04	15		3853.3	3853.3	150	13
2765 Winslow	-111.94774	46.59252	1184.33361	3928.5		73.71	73.76	25		3856.9	3856.8	180	13
2775 Winslow	-111.94742	46.59265	1184.4025	3928.7		71.54	71.63	17.75		3858.7	3858.6	119	5
2780 Winslow	-111.94742	46.59333	1179.04031	3911.2		63.53	63.56	27.25		3849.9	3849.9	100	10
2830 Winslow	-111.9452	46.59284	1179.8854	3913.9		62.92	62.9	23.5		3853.0	3853.0	130	17
2840 Winslow	-111.94543	46.59281		3918.5	64.98	64.87	64.86	26.25	3855.8	3855.9	3855.9	NA	NA
2850 Winslow	-111.94405	46.59403	1178.14444	3908.2		46.97	46.97	3.5		3861.5	3861.5	NA	8
2858 Winslow	-111.94404	46.5926		3907.9	57.64	57.53	57.5	14.5	3851.5	3851.6	3851.6	NA	24
3420 Weston	-111.94689	46.59297		3916.4	68.3		68.22	23.5	3850.1		3850.2	142	10
3420 Weston - Old	-111.9469	46.59295	1181.66605	3919.8	67.62	67.55	67.58	10.5	3853.0	3853.1	3853.1	97	NA
3425 Allied	-111.94186	46.5923	1178.65239	3909.9		55.48	55.24	-10		3853.6	3853.8	NA	14
3438 Beck st	-111.95027	46.59416		3905.1	51.61	51.6	51.57	16.25	3854.9	3854.9	3854.9	90	8
3460 Weston	-111.94773	46.59409	1176.47488	3902.7		49.77	49.75	22.25		3854.8	3854.8	80	8
3465 Allied	-111.94193	46.59365		3893.9	NA	44.31	44.06	23.75	NA	3851.6	3851.8	80	6
3475 Allied	-111.94159	46.5942		3890.8	55.83	52.71	49.75	14.25	3836.1	3839.2	3842.2	57	2
3480 Allied	-111.94315	46.59411	1175.51063	3899.6		45.16	45.1	20.25		3856.1	3856.2	NA	6
3485 Weston	-111.94535	46.59465	1173.2241	3892.1		45.23	45.26	10.5		3847.7	3847.7	NA	7
3489 Weston	-111.94442	46.59461	1174.6406	3896.7		44.88	44.91	19.75		3853.5	3853.5	NA	7
3491 Weston	-111.94392	46.59477	1177.78757	3907.0		39.82	39.78	0		3867.2	3867.3	71	7
3495 Allied	-111.94172	46.59419	1173.28976	3892.3		41.22	40.81	7.75		3851.7	3852.1	NA	4
3885 US Highway 12	-111.94162	46.58887	1185.20813	3931.4		69.32	70.23	0		3862.1	3861.2	NA	14
701 Manlove	-111.9355	46.58771	1183.69436	3926.4		61.75	NA	16		3866.0		NA	12
802 Manlove	-111.93702	46.58775	1188.76174	3943.1		85.32	81.99	16		3859.1	3862.4	NA	15
DH-1				3905.99		37.36				3870.41			
DH-48				3900.12		33.37				3869.12			
EH-128	-111.93835	46.59201		3884.6	Dry	39.38		29	< 3841.67	3847.7		47	42
EH-132	-111.9406	46.59379		3887.4	52.47	49.78		26.25	3837.1	3839.8		83	28
EH-200						30.3				3919.7			8
EH-201						99.31				3870.69			5
EH-202						63.29				3863.64			16

TABLE 4. PLANT SITE STORM WATER SAMPLING RESULTS FROM MAY 24, 2010

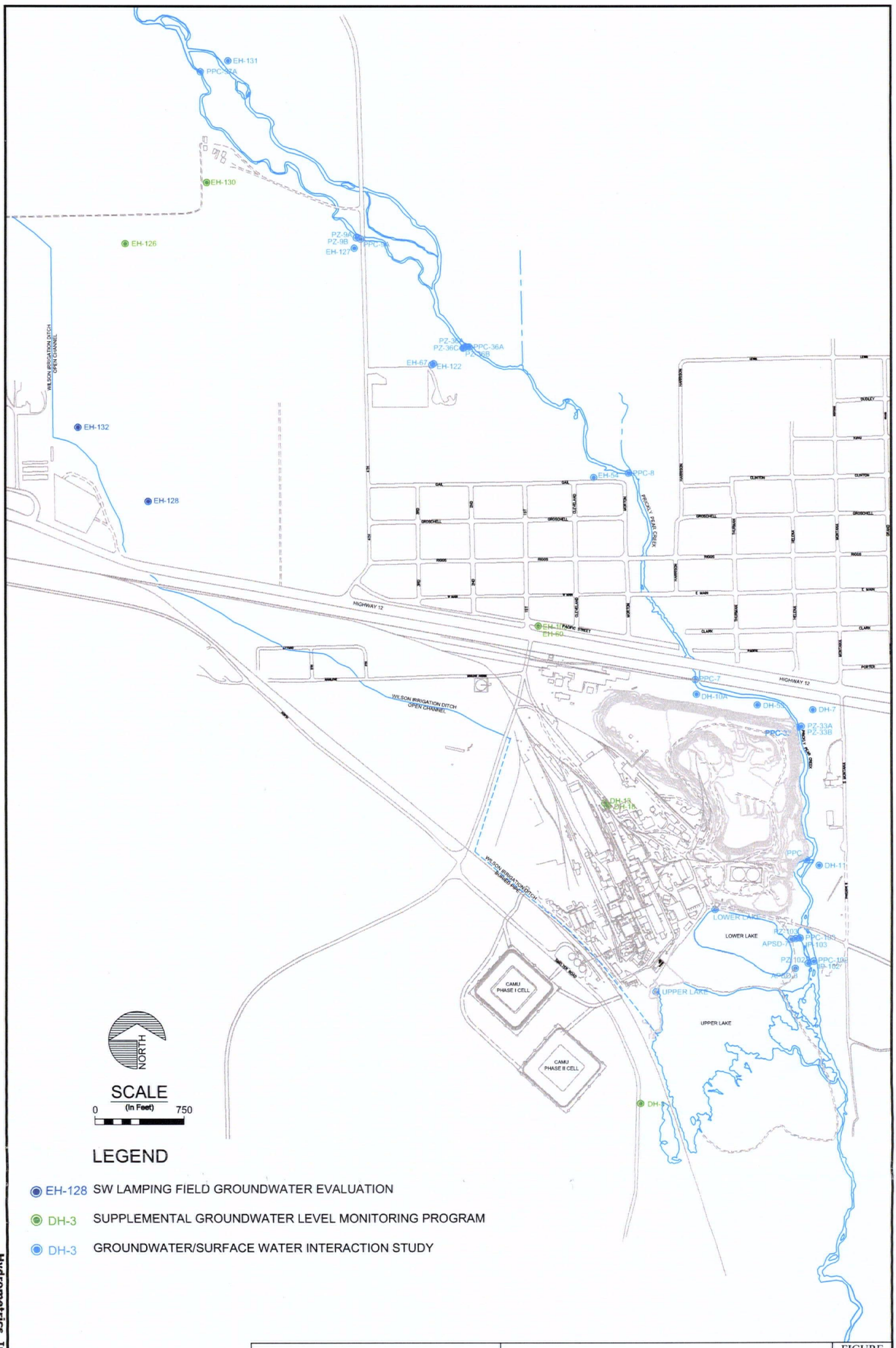
								Analytical Results								
SITE DESCRIPTION	DATE	TIME	SAMPLE NAME	pH	SC	ESTIMATED FLOW	PHOTO #	As	Cd	Cu	Fe	Pb	Se	TSS	Zn	pH (s.u.)
BAGHOUSE SUMP																
Culvert under old Hopto Bins	5/24/2010	11:00	EHSW-1005-100	7.68	55	4.23 gpm	1									
Asphalt draining sample mill liner and high grade soil area	5/24/2010	11:05	EHSW-1005-101	8.07	40	5 gpm	2									
Discharge from Baghouse Liner	5/24/2010	11:10	EHSW-1005-102	7.45	6	4 gpm	3									
Discharge from Baghouse Sump	5/24/2010	11:15	EHSW-1005-103	7.94	40	15 gpm	4	0.222	0.257	0.42	1.10	1.58	0.016	29	0.60	7.8
SCALEHOUSE SUMP																
Water reporting to Scalehouse Sump	5/24/2010	11:30	EHSW-1005-104	7.24	43	1-2 gpm	5	0.145	0.094	0.32	0.30	1.29	0.018	<10	0.36	7.6
Ponded water on North side of Scalehouse (no discharge from this point)	5/24/2010	11:35	EHSW-1005-105	7.42	43	1 gpm	6									
SINTER PLANT SUMP																
Sinter Plant Sump	5/24/2010	11:45	EHSW-1005-106	6.53	25	1-3 gpm	7	0.040	0.032	0.11	0.12	0.44	<0.005	<10	0.12	7.3
Discharge from Sinter Plant Liner	5/24/2010	11:50	EHSW-1005-107	6.15	5	0.5 gpm	8									
NORTHERN MOST SUMP																
Drainage from Ore Storage Pad West of CSHB reporting to concrete channel west of thawhouse	5/24/2010	12:00	EHSW-1005-108	6.71	24	1 lpm										
Northern most sump from drainage off east side of CSHB	5/24/2010	12:10	EHSW-1005-109	6.40	36	5 gpm	9	0.203	0.102	0.43	1.04	1.47	0.021	17	0.57	7.4
THAWHOUSE GATE SUMP																
Runoff from RR Tracks (soil) on West side of Thawhouse	5/24/2010	12:20	EHSW-1005-110	7.32	147	1 gpm	10	0.246	0.156	0.54	1.23	1.67	0.032	27	0.61	7.8
Thawhouse Gate Sump	5/24/2010	12:25	EHSW-1005-111	7.56	113	6-7 gpm		0.366	0.167	0.51	1.10	1.47	0.039	26	0.64	7.8
Ore Storage Yard Concrete Runoff	5/24/2010	12:30	EHSW-1005-112	7.62	97	5 gpm	11									
Ore Storage Yard soil Runoff	5/24/2010	12:35	EHSW-1005-113	9.33	623	0.5 lpm	12									
Ore Storage Yard combination of sample 112/113	5/24/2010	12:40	EHSW-1005-114	8.25	118	5 gpm	13	0.907	0.564	2.06	8.31	6.51	0.058	195	2.73	8.0
WATER TREATMENT SUMP																
Stormwater sump by water treatment plant	5/24/2010	12:50	EHSW-1005-115	8.17	16	1-2 gpm	14	0.021	0.020	0.02	<0.03	0.04	<0.005	<10	0.03	7.3
RODEO TANK	5/24/2010	13:00	EHSW-1005-116	8.08	95	unknown		0.360	0.215	0.62	1.18	2.29	0.038	32	0.80	7.7

Metals analyses are total recoverable in mg/L

TABLE 5. EVALUATION OF CAMU LEACHATE COLLECTION WATER

	CAMU Cell 1 Leachate Collection (mg/l) May 11, 2010	CAMU Cell II Leachate Collection (mg/l) April 7, 2010
Antimony	0.008	0.02
Arsenic	8.56	0.354
Barium	<0.1	<0.1
Cadmium	0.059	2.79
Chromium	<0.001	0.091
Copper	0.021	0.172
Iron	0.07	0.78
Lead	<0.005	0.007
Manganese	25.6	2.51
Mercury	<0.001	0.007
Selenium	0.005	2.21
Silver	<0.005	<0.005
Thallium	<0.001	0.001
Zinc	0.14	4.39

UPDATE TIME: 8:24 AM
GLORENSONHEL20100519\NLAND PROJECTS\1002201\DWG\1002201H003.DWG



LEGEND

- EH-128 SW LAMPING FIELD GROUNDWATER EVALUATION
- DH-3 SUPPLEMENTAL GROUNDWATER LEVEL MONITORING PROGRAM
- DH-3 GROUNDWATER/SURFACE WATER INTERACTION STUDY

Hydrometrics, Inc.
Consulting Scientists and Engineers

	EAST HELENA GROUNDWATER/SURFACE WATER LEVEL MONITORING PROGRAM	FIGURE 1

Figure 2. SUPPLEMENTAL GROUNDWATER LEVEL MONITORING PROGRAM

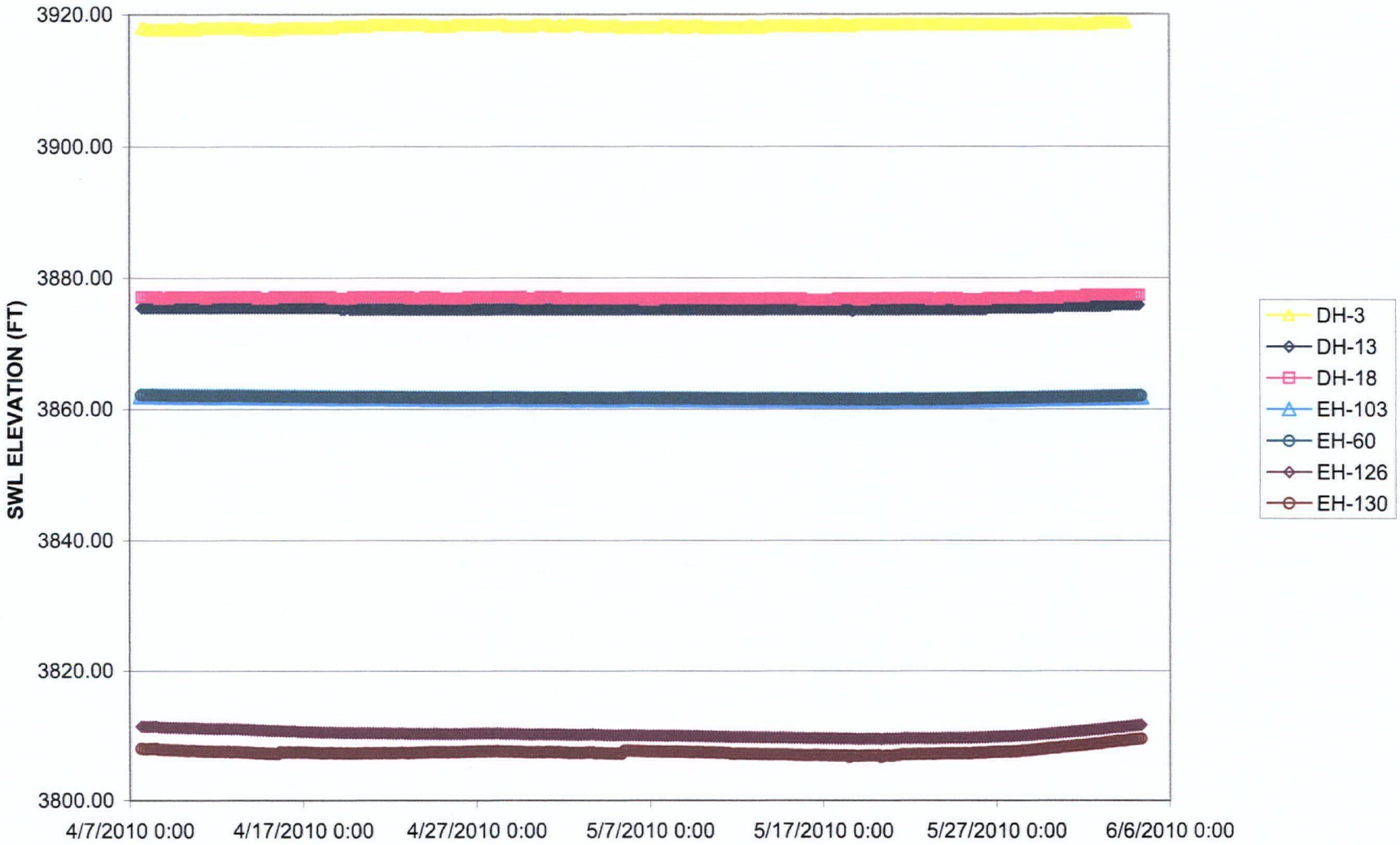


FIGURE 3. GROUNDWATER-SURFACE WATER INTERACTIONS NEAR LOWER LAKE

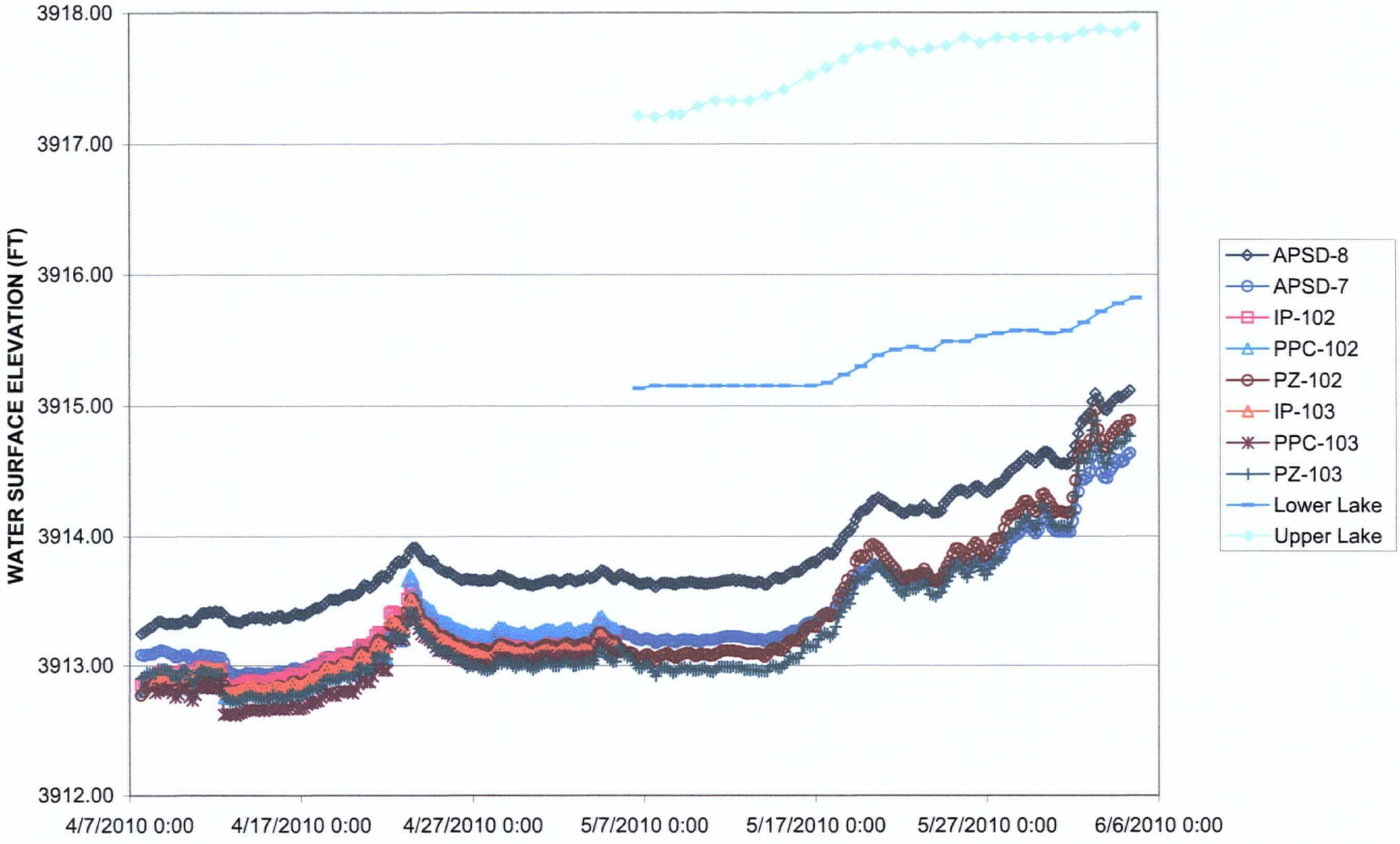
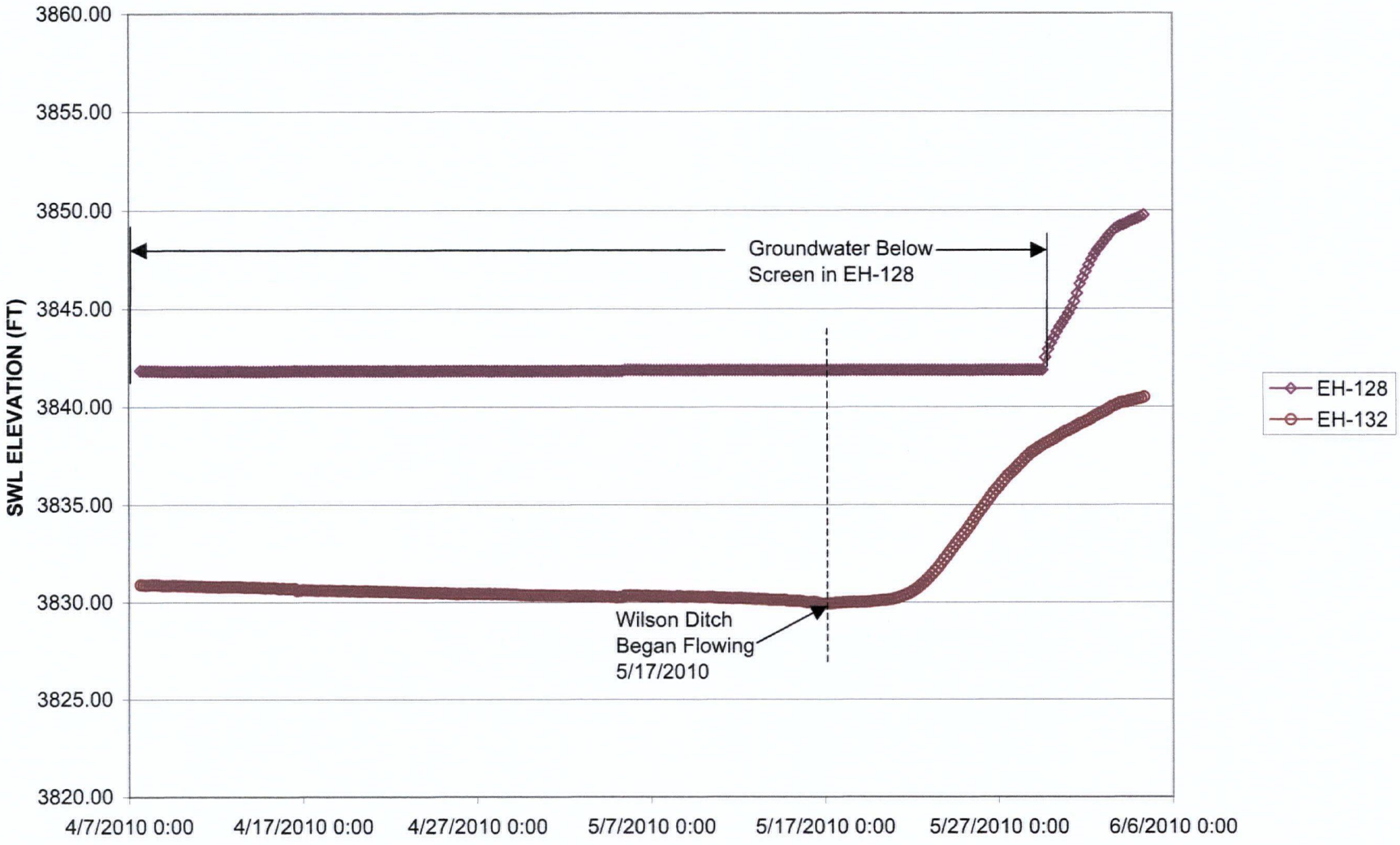


FIGURE 4. SOUTHWEST LAMPING FIELD GROUNDWATER EVALUATION



VALIDATION SUMMARY

MONTANA ENVIRONMENTAL TRUST GROUP, LLC

EAST HELENA PLANT RCRA CONSENT DECREE

ANNUAL RESIDENTIAL WELL MONITORING PROGRAM

INORGANIC ANALYSES

MAY 20, 2010 SAMPLE EVENT

ENERGY LABORATORY WORK ORDER NO.
H10040269

Prepared for:
Montana Environmental Trust Group
15001 Winged Bluff Lane
Draper, UT 84020

Prepared by:
Linda L. Tangen
6900 Cherry Blossom Lane
Albuquerque, NM 87111

June 2010

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GLOSSARY OF TERMS

(Not all of these acronyms may be used in this document)

CLP..... Contract Laboratory Program

COC..... Chain of Custody

CRDL..... Contract Required Detection Limit

DI..... Deionized Water

DIS..... Dissolved

DQO..... Data Quality Objective

ELI-Hel ..... Energy Laboratories, Inc., Helena, Montana

EPA..... U.S. Environmental Protection Agency

ICV ..... Initial Calibration Verification

IDL ..... Instrument Detection Limit

LCS..... Laboratory Control Sample

LFB..... Laboratory Fortified Blank

MS ..... Matrix Spike

METG..... Montana Environmental Trust Group, LLC

NA ..... Not Applicable

PDLG..... Project Detection Limit Goal

QC ..... Quality Control

RCRA ..... Resource and Conservation Recovery Act

RPD ..... Relative Percent Difference

SC ..... Specific Conductivity

TDS ..... Total Dissolved Solids

SUMMARY

Groundwater samples were collected from East Helena residential groundwater wells on May 20, 2010 for the Montana Environmental Trust Group, LLC's (METG) monthly monitoring program. These samples were collected according to the U.S. Environmental Protection Agency's (EPA) Resource and Conservation Recovery Act (RCRA) Consent Decree Monitoring Program (ASARCO 2009), which is administered by the Montana Environmental Trust Group, LLC (METG). Inorganic constituents for these samples were validated using EPA guidelines for data validation (EPA 2004) and the project work plan (ASARCO 2009). Samples were analyzed by Energy Laboratories, Inc. (ELI-Hel) in Helena, Montana, under work order H10050269.

The validated database is located in Appendix 2. Field notes, chain of custody forms, and laboratory reports are located in Appendices 3, 4, and 5, respectively.

Data quality objectives for this project are as follows:

- **Precision** is determined by field and laboratory duplicate sample results that are within control limits. The completeness objective for precision is 90% of the duplicate sample results within control limits. **This objective was met as 100% (33 out 33 results) of the field duplicate and 100% (34 out of 34 results) of the laboratory duplicate results were in control limits. The overall precision was calculated at 100% (67 out of 67 results).**
- **Accuracy** is determined by laboratory control sample (LCS) and matrix spike (MS) sample results that are within control limits. The completeness objective for accuracy is 90% of the LCS and MS sample results within control limits. **This objective was met as 100% (38 out of 38 results) of the LCS results and 100% (53 out of 53 results) of the MS results were within control limits. The overall accuracy was calculated at 100% (91 out of 91 results).**

- **Completeness** is calculated by the number of valid (not rejected) data per number of planned data, expressed as a percentage. The completeness goal for this project was 90%. **This goal was met as 100% (362 out of 362 results) of the planned data were analyzed and deemed valid.**

Qualified Data Summary

- No data were qualified due to this review.

Conclusion

The data collected on May 20, 2010 for the METG East Helena RCRA Consent Decree's monthly residential well monitoring program are deemed acceptable and can be used for the purposes they were intended. **Of the measured results, 100% (362 out of 362 results) can be used without qualification.**

Data Validation Report by: Linda L. Tangen

Client Review: Jon Nickel
Montana Environmental Trust Group

DATA VALIDATION REPORT

1. INTRODUCTION

- This validation applies to analyses for eight groundwater and quality control samples collected on May 20, 2010 for the METG East Helena RCRA Consent Decree's monthly residential well monitoring program (ASARCO 2009). Samples were analyzed by Energy Laboratories in Helena, Montana (ELI-Hel) under work order H10050269. One field blank and one field duplicate sample was included with these samples.

- Validation procedures used are generally consistent with:
  - _X_ EPA Contract Laboratory Program (CLP) National Functional Guidelines for Inorganics Data Review (EPA 2004)
  - _X_ ASARCO East Helena Plant RCRA Consent Decree Monitoring Plan (ASARCO 2009)
  - ___ Other

- Overall level of validation:
  - ___ CLP
  - _X_ Standard – Field and laboratory quality control (QC) samples are reviewed; and samples associated with QC violations are flagged.
  - ___ Visual

2. DELIVERABLES

- All laboratory document deliverables were present and accurate as specified in the CLP-Statement of Work (EPA 2001), and/or the project contract.
  - _X_ Yes
  - ___ No

- All documentation of field procedures was provided as required.
  - _X_ Yes
  - ___ No

3. FIELD PROCEDURES

- Samples were collected from all project-required sites.
  - _X_ Yes
  - ___ No

- Field parameters were measured in accordance with the project work plan.
  - _X_ Yes
  - ___ No

- Field instruments were calibrated daily and before measurements were collected.
  _X_ Yes
  ___ No

- Chains of Custodies (COCs) were properly filled out and signed by the field personnel.
  _X_ Yes
  ___ No

- Data entry into field books, on COCs, and on sample labels were accurate and complete.
  _X_ Yes
  ___ No

- Samples were properly preserved in the field.
  ___ Yes
  _X_ No – see notes

  Notes: The samples were received by the laboratory at a temperature of 9.3°C instead of the required 4-6 °C. However, they were delivered directly from the field and did not have time to cool to the proper temperature. Therefore, the samples' quality was not affected.

4. FIELD BLANKS

Blanks: Please note that the highest blank value associated with any particular analyte is the blank value used for the flagging process.

Deionized water (DI), trip, rinsate, or any other field blanks have been carried out at the proper frequency (one rinsate blank and one DI blank per event).
_X_ Yes
___ No

Reported results on the field blanks were less than the Project Detection Limit Goals (PDLGs) or reporting limit.
_X_ Yes
___ No

5. FIELD DUPLICATES

Field duplicates have been collected at the proper frequency (one field duplicate per event).
_X_ Yes
___ No

Field duplicate relative percent differences (RPDs) were within the required control limits (RPD of 20% or less). If the sample or duplicate result is less or equal to five times the PDLG, the RPD criteria are not used. In these cases, the difference between the sample and the duplicate results must be within ± the PDLG.

_X_ Yes
____ No

6. LABORATORY PROCEDURES

- **Laboratory procedures followed**

  _X_ CLP-Statement of Work (EPA 2001)
  ____ SW-846 (EPA 1986)
  _X_ Methods for Chemical Analysis of Water and Wastes (EPA 1983)

- **Holding times met**

  _X_ Yes
  ____ No

- **Consistency with project requirements**

  Analyses were carried out as required by the project work plan (ASARCO 2009).

  _X_ Yes
  ____ No

  Project specified methods were used.

  _X_ Yes
  ____ No

7. DETECTION LIMITS

- Reporting detection limits met PDLGs.

  _X_ Yes
  ____ No

8. LABORATORY BLANKS

Please note that the highest blank value associated with any particular analyte is the blank value used for the flagging process.

- Method blanks were prepared and analyzed at the required frequency (one per batch or one per 20 samples, whichever is greater.

  _X_ Yes
  ____ No

- All the analytes in the blank were less than the PDLG.
  _X_ Yes
  ____ No

9. LABORATORY MATRIX SPIKES

- A Matrix Spike (MS) sample (pre-digestion) was analyzed at the proper frequency (one per batch and/or matrix).
  ____ Yes
  _X_ No – see notes

  Notes: The MS sample used for chloride and sulfate analyses was from an unknown source. The recoveries from this MS could not be used to evaluate the inter-parameter interferences for these analytes. Laboratory control sample recoveries were used to measure the accuracy for chloride and sulfate.

- MS recoveries were within the required control limits (75-125%).
  _X_ Yes
  ____ No

10. LABORATORY DUPLICATES

- Laboratory duplicate samples were analyzed at the proper frequency (one per batch or one per 20 samples, whichever is greater).
  _X_ Yes
  ____ No

- RPDs were within the required control limits (RPD of 20% or less). If the sample or duplicate result is less or equal to five times the PDLG, the RPD criteria are not used. In these cases, the difference between the sample and the duplicate results must be within ± the PDLG.
  _X_ Yes
  ____ No

11. LABORATORY CONTROL STANDARDS (LCS)

Laboratory Fortified Blanks (LFBs) were used in lieu of LCS' for metal analyses. This is acceptable for the purpose of the project.

- The reference material used for the LCS or LFB was of the correct matrix.
  _X_ Yes
  ____ No

- LCS' or LFBs were prepared and analyzed at the proper frequency (one per batch or one per 20 samples, whichever is greater).
  _X_ Yes
  ____ No

- LCS recoveries were within the required control limits (80-120% or certified range).
  _X_ Yes
  ____ No

12. INTERPARAMETER COMPARISON

_X_ Lab pH vs. Field pH.

_X_ Lab Specific Conductivity (SC) vs. Field SC

_X_ Total Dissolved Solids (TDS) vs. Lab SC

_X_ Ion Balance

Notes: *RPDs were used to compare associated measurements. If the RPD was greater than 20, the measurements were then compared to other analytes and/or historical data to determine if they were valid or anomalies. Following is a summary of these comparisons.*

Lab pH vs. Field pH: All field and lab pH comparisons were in order (pairs had RPDs less than 20). The RPDs for pH pairs ranged from 8.4% to 14.3%, with an average RPD of 11.5%.

Lab SC vs. Field SC: All field and lab SC comparisons were in order (pairs had RPDs less than 20). The RPDs for SC pairs ranged from 13.0% to 19.2%, with an average RPD of 14.7%.

TDS vs. Lab SC: The ratio of TDS to lab SC should lie between 0.55 and 0.75. In natural waters with high sulfate, the ratio may be much higher. This ratio is intended to be a check on the accuracy of the TDS and lab SC measurements. (It should be noted that these measurements are less accurate in dilute waters.) For this sampling event, the ratios were in line with historical data. The TDS/SC ratios ranged from 0.66 to 0.79, with an average ratio of 0.70.

Ion Balance: All ion balances were in order (RPDs were less than 20 but preferably, less than 10). The ion balances ranged from 0.42% to 5.08%, with an average RPD of 2.33%.

13. HISTORICAL COMPARISON SUMMARY

Data for this sampling event were compared with the previous five years of sampling events. Site 126 E. Clinton – Irrigation well had an historical high pH and a historical low field SC by three standard deviations from the historical mean. The rest of this sampling event's results were less than three standard deviations from the historical mean. The historical comparison summary for this site in located in Table 1, Appendix 1.

14. DATA QUALITY OBJECTIVES (DQOS)

- The data quality goal was met for precision (90% of the field and laboratory duplicates were within control limits).

  _X_ Yes –see the following table

  ____ No

Precision Objectives

QC Type	Total Results	# of Results Out of Control Limits	# of Results Within Control Limits	% Within Control Limits
Field Duplicates	33	0	33	100.0%
Lab Duplicates	34	0	34	100.0%
Overall	**67**	**0**	**67**	**100.0%**

- The data quality goal was met for accuracy (90% of the LCS and matrix spike results were within control limits).

  _X_ Yes – see the following table

  ____ No

Accuracy Objectives

QC Type	Total Results	# of Results Out of Control Limits	# of Results Within Control Limits	% Within Control Limits
LCS' and LFBs	38	0	38	100.0%
Matrix Spikes	53	0	53	100.0%
Overall	**91**	**0**	**91**	**100.0%**

- DQO target for completeness was met (the number of valid results divided by the number of possible results is 90% or above).

  _X_ Yes – see the following table

  ____ No

Completeness

# of Planned Measurements	Actual # of Measurements	# of Rejected Measurements	# of Valid Measurements	Completeness
362	**362**	**0**	**362**	**100%**

- Samples were qualified for QC exceedances and deficiencies.
  ____ Yes
  _X_ No – see the following table

Qualification of Samples

# of Measurements	# of Qualified Measurements	# Not Qualified	% Not Qualified
362	0	362	100.0%

15. CONCLUSION

The data collected on May 20, 2010 for the METG East Helena RCRA Consent Decree's monthly residential well monitoring program are deemed acceptable and can be used for the purposes they were intended.

REFERENCES

ASARCO 2009. *ASARCO East Helena Plant RCRA Consent Decree Monitoring Plan.* ASARCO LLC. March.

EPA 1983. *Methods for Chemical Analysis of Water and Wastes.* United States Environmental Protection Agency. March.

EPA 1986. *Test Method for Evaluating Solid Waste: Physical/Chemical Methods 3rd Ed. 4 Vols.* United States Environmental Protection Agency. December.

EPA 2001. *USEPA Contract Laboratory Program Statement of Work for Inorganic Analysis.* United States Environmental Protection Agency. Document Number ILM05.2. December.

EPA 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review.* United States Environmental Protection Agency. Document Number OSWER 9240.1-45. EPA 540-R-04-004. October.

APPENDIX 1

TABLE

Table 1. Historical Comparisons Summary~

East Helena Private Wells

May 2010

~Where this sampling event's data and historical mean difference is greater than three times the historical standard devation.

Station	This Sampling Event's Data		----------Historical Data----------					Comparison To Historical Data		
Parameter	Sample Date	Value	Cnt	Min	Max	Mean	Std Dev	# of Std Dev*	High or Low	Elev DL**
All units are in ppm unless noted otherwise.										
126 E Clinton-I	**5/20/2010**	**EHR-0510-320**								
pH		7.8	3	7.2	7.22	7.2100	0.0099	19.8	Highest	
SC (umhos/cm at 25 C) (Fld)		355	3	465	484	471.6667	10.6927	3.64	Lowest	

Notes:

* # of Std Dev (from historical mean) = Value and historical mean difference divided by the historical standard deviation.

**Elev DL = An elevated reporting limit was used for the sample's value. The true value may be less than the reporting limit and therefore the value and historical average difference may not be greater than three times the standard deviation; and/or the sample's value may not be the highest historical concentration.,

APPENDIX 2

DATABASE

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Table of Contents by Station Type

Page	Station Type	Station Name
1	Domestic Wells	126ClintH
1	Domestic Wells	126ClintI
1	Domestic Wells	203Gail
3	Domestic Wells	210Gros
5	Domestic Wells	802Mnlv
3	Domestic Wells	2540 Wylie
3	Domestic Wells	2540WylIr
5	Domestic Wells	Amchem4
5	Field Quality Control	FieldBlank

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Run Time: 6/11/2010 10:53:55 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Table of Contents By Lab Sample ID

Page	Lab Sample ID	Sample ID	Sample Date	Station Name
1	H10050269-001	EHR-0510-314	5/20/2010	203Gail
3	H10050269-002	EHR-0510-315	5/20/2010	2540 Wylie
3	H10050269-003	EHR-0510-316	5/20/2010	2540WylIr
5	H10050269-004	EHR-0510-317	5/20/2010	Amchem4
5	H10050269-005	EHR-0510-318	5/20/2010	802Mnlv
1	H10050269-006	EHR-0510-319	5/20/2010	126ClintH
1	H10050269-007	EHR-0510-320	5/20/2010	126ClintI
3	H10050269-008	EHR-0510-321	5/20/2010	210Gros
3	H10050269-009	EHR-0510-322	5/20/2010	210Gros
5	H10050269-010	EHR-0510-323	5/20/2010	FieldBlank

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Run Time: 6/11/2010 10:53:55 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Table of Contents by Sample ID

Page	Sample ID	Lab Sample ID	Sample Date	Station Name
1	EHR-0510-314	H10050269-001	5/20/2010	203Gail
3	EHR-0510-315	H10050269-002	5/20/2010	2540 Wylie
3	EHR-0510-316	H10050269-003	5/20/2010	2540Wyllr
5	EHR-0510-317	H10050269-004	5/20/2010	Amchem4
5	EHR-0510-318	H10050269-005	5/20/2010	802Mnlv
1	EHR-0510-319	H10050269-006	5/20/2010	126ClintH
1	EHR-0510-320	H10050269-007	5/20/2010	126ClintI
3	EHR-0510-321	H10050269-008	5/20/2010	210Gros
3	EHR-0510-322	H10050269-009	5/20/2010	210Gros
5	EHR-0510-323	H10050269-010	5/20/2010	FieldBlank

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Run Time: 6/11/2010 10:53:55 AM

C:\EnviroDataDB\Databases\V5_B_DB\EastHelena.mdb

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	126ClintH	126ClintI	203Gail
Water	SAMPLE DATE	5/20/2010	5/20/2010	5/20/2010
	SAMPLE TIME	13:00	13:30	07:30
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050269-006	H10050269-007	H10050269-001
	SAMPLE NUMBER	EHR-0510-319	EHR-0510-320	EHR-0510-314
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			
Common Ions (mg/L): ppm unless noted				
	Bicarbonate (HCO3)	110	120	97
	Calcium (Ca) (DIS)	34	37	30
	Chloride (Cl)	7	7	4
	Magnesium (Mg) (DIS)	6	9	7
	Potassium (K) (DIS)	14	4	2
	Sodium (Na) (DIS)	23	29	13
	Sulfate (SO4)	78	95	49
	Total Alkalinity As CACO3	86	96	79
Metals (mg/L): ppm unless noted				
	Aluminum (Al) (DIS)	<0.1	<0.1	<0.1
	Antimony (Sb) (DIS)	<0.003	<0.003	<0.003
	Arsenic (As) (DIS)	<0.002	<0.002	<0.002
	Barium (Ba) (DIS)	<0.1	<0.1	<0.1
	Beryllium (Be) (DIS)	<0.001	<0.001	<0.001
	Cadmium (Cd) (DIS)	<0.001	<0.001	<0.001
	Chromium (Cr) (DIS)	<0.001	<0.001	<0.001
	Cobalt (Co) (DIS)	<0.01	<0.01	<0.01
	Copper (Cu) (DIS)	0.015	0.004	0.018
	Gold (Au) (DIS)	<0.01	<0.01	<0.01
	Iron (Fe) (DIS)	<0.02	0.02	<0.02
	Lead (Pb) (DIS)	<0.005	<0.005	<0.005
	Manganese (Mn) (DIS)	<0.01	<0.01	<0.01
	Mercury (Hg) (DIS)	<0.001	<0.001	<0.001
	Nickel (Ni) (DIS)	<0.01	<0.01	<0.01
	Selenium (Se) (DIS)	0.007	0.009	<0.001
	Silver (Ag) (DIS)	<0.005	<0.005	<0.005
	Tellurium (Te) (DIS)	<0.1	<0.1	<0.1
	Thallium (Tl) (DIS)	<0.001	<0.001	<0.001
	Vanadium (V) (DIS)	<0.01	<0.01	<0.01
	Zinc (Zn) (DIS)	<0.01	<0.01	<0.01
Physical/Fld-Lab: ppm unless noted				
	Oxygen (O) (DIS) (Fld)	8.84	7.52	6.67
	pH	7.7	7.8	7.7
	pH (Fld)	6.97	6.98	6.68
	SC (umhos/cm at 25 C) (Fld)	319	355	240
	SC (umhos/cm at 25 C)	372	415	276

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

Run Time: 6/11/2010 10:53:55 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	126ClintH	126ClintI	203Gail
Water	SAMPLE DATE	5/20/2010	5/20/2010	5/20/2010
	SAMPLE TIME	13:00	13:30	07:30
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050269-006	H10050269-007	H10050269-001
	SAMPLE NUMBER	EHR-0510-319	EHR-0510-320	EHR-0510-314
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			
Physical/Fld-Lab: ppm unless noted				
	Total Suspended Solids	<10	<10	<10
	TDS (Measured at 180 C)	246	276	185
	Water Temperature (C) (Fld)	9.3	9.8	10.7

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	210Gros	210Gros	2540 Wylie	2540WylIr
Water	SAMPLE DATE	5/20/2010	5/20/2010	5/20/2010	5/20/2010
	SAMPLE TIME	11:30	12:00	08:00	08:30
	LAB	ELI	ELI	ELI	ELI
	LAB NUMBER	H10050269-008	H10050269-009	H10050269-002	H10050269-003
	SAMPLE NUMBER	EHR-0510-321	EHR-0510-322	EHR-0510-315	EHR-0510-316
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells	Private Wells
	DESCRIPTION				
	REMARKS		Field Duplicate		
Common Ions (mg/L): ppm unless noted					
	Bicarbonate (HCO3)	120	120	140	110
	Calcium (Ca) (DIS)	39	39	58	40
	Chloride (Cl)	6	6	6	6
	Magnesium (Mg) (DIS)	8	8	12	9
	Potassium (K) (DIS)	3	3	5	3
	Sodium (Na) (DIS)	28	28	18	21
	Sulfate (SO4)	81	83	110	76
	Total Alkalinity As CACO3	96	96	120	90
Metals (mg/L): ppm unless noted					
	Aluminum (Al) (DIS)	<0.1	<0.1	<0.1	<0.1
	Antimony (Sb) (DIS)	<0.003	<0.003	<0.003	<0.003
	Arsenic (As) (DIS)	<0.002	<0.002	<0.002	<0.002
	Barium (Ba) (DIS)	<0.1	<0.1	<0.1	<0.1
	Beryllium (Be) (DIS)	<0.001	<0.001	<0.001	<0.001
	Cadmium (Cd) (DIS)	<0.001	<0.001	<0.001	<0.001
	Chromium (Cr) (DIS)	<0.001	<0.001	<0.001	<0.001
	Cobalt (Co) (DIS)	<0.01	<0.01	<0.01	<0.01
	Copper (Cu) (DIS)	<0.001	<0.001	0.002	<0.001
	Gold (Au) (DIS)	<0.01	<0.01	<0.01	<0.01
	Iron (Fe) (DIS)	0.11	0.1	<0.02	<0.02
	Lead (Pb) (DIS)	<0.005	<0.005	<0.005	<0.005
	Manganese (Mn) (DIS)	<0.01	<0.01	<0.01	<0.01
	Mercury (Hg) (DIS)	<0.001	<0.001	<0.001	<0.001
	Nickel (Ni) (DIS)	<0.01	<0.01	<0.01	<0.01
	Selenium (Se) (DIS)	0.006	0.006	0.003	0.009
	Silver (Ag) (DIS)	<0.005	<0.005	<0.005	<0.005
	Tellurium (Te) (DIS)	<0.1	<0.1	<0.1	<0.1
	Thallium (Tl) (DIS)	<0.001	<0.001	<0.001	<0.001
	Vanadium (V) (DIS)	<0.01	<0.01	<0.01	<0.01
	Zinc (Zn) (DIS)	<0.01	<0.01	0.03	<0.01
Physical/Fld-Lab: ppm unless noted					
	Oxygen (O) (DIS) (Fld)	7.85		6.36	5.98
	pH	7.8	7.8	7.7	7.6
	pH (Fld)	7.01		6.67	6.9
	SC (umhos/cm at 25 C) (Fld)	316		411	316
	SC (umhos/cm at 25 C)	383	386	470	363

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

Run Time: 6/11/2010 10:53:55 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	210Gros	210Gros	2540 Wylie	2540WylIr
Water	SAMPLE DATE	5/20/2010	5/20/2010	5/20/2010	5/20/2010
	SAMPLE TIME	11:30	12:00	08:00	08:30
	LAB	ELI	ELI	ELI	ELI
	LAB NUMBER	H10050269-008	H10050269-009	H10050269-002	H10050269-003
	SAMPLE NUMBER	EHR-0510-321	EHR-0510-322	EHR-0510-315	EHR-0510-316
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells	Private Wells
	DESCRIPTION				
	REMARKS		Field Duplicate		
Physical/Fld-Lab: ppm unless noted					
	Total Suspended Solids	<10	<10	<10	<10
	TDS (Measured at 180 C)	254	259	340	246
	Water Temperature (C) (Fld)	10.2		9	10.2

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	802Mnlv	Amchem4	FieldBlank
Water	SAMPLE DATE	5/20/2010	5/20/2010	5/20/2010
	SAMPLE TIME	09:40	09:10	12:30
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050269-005	H10050269-004	H10050269-010
	SAMPLE NUMBER	EHR-0510-318	EHR-0510-317	EHR-0510-323
	TYPE	Domestic Wells	Domestic Wells	Field QC
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			Blank
Common Ions (mg/L): ppm unless noted				
	Bicarbonate (HCO3)	170	140	<1
	Calcium (Ca) (DIS)	45	38	<1
	Chloride (Cl)	14	5	<1
	Magnesium (Mg) (DIS)	11	8	<1
	Potassium (K) (DIS)	11	4	<1
	Sodium (Na) (DIS)	32	16	<1
	Sulfate (SO4)	71	44	<1
	Total Alkalinity As CACO3	140	110	<1
Metals (mg/L): ppm unless noted				
	Aluminum (Al) (DIS)	<0.1	<0.1	<0.1
	Antimony (Sb) (DIS)	<0.003	<0.003	<0.003
	Arsenic (As) (DIS)	0.017	0.002	<0.002
	Barium (Ba) (DIS)	<0.1	<0.1	<0.1
	Beryllium (Be) (DIS)	<0.001	<0.001	<0.001
	Cadmium (Cd) (DIS)	<0.001	<0.001	<0.001
	Chromium (Cr) (DIS)	<0.001	0.001	<0.001
	Cobalt (Co) (DIS)	<0.01	<0.01	<0.01
	Copper (Cu) (DIS)	<0.001	<0.001	<0.001
	Gold (Au) (DIS)	<0.01	<0.01	<0.01
	Iron (Fe) (DIS)	<0.02	<0.02	<0.02
	Lead (Pb) (DIS)	<0.005	<0.005	<0.005
	Manganese (Mn) (DIS)	<0.01	<0.01	<0.01
	Mercury (Hg) (DIS)	<0.001	<0.001	<0.001
	Nickel (Ni) (DIS)	<0.01	<0.01	<0.01
	Selenium (Se) (DIS)	0.002	0.002	<0.001
	Silver (Ag) (DIS)	<0.005	<0.005	<0.005
	Tellurium (Te) (DIS)	<0.1	<0.1	<0.1
	Thallium (Tl) (DIS)	<0.001	<0.001	<0.001
	Vanadium (V) (DIS)	0.01	<0.01	<0.01
	Zinc (Zn) (DIS)	<0.01	<0.01	<0.01
Physical/Fld-Lab: ppm unless noted				
	Oxygen (O) (DIS) (Fld)	10.24	8.91	
	pH	8.1	7.9	5.3
	pH (Fld)	7.45	6.91	
	SC (umhos/cm at 25 C) (Fld)	410	288	
	SC (umhos/cm at 25 C)	470	328	<1

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

Run Time: 6/11/2010 10:53:55 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 20, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	802Mnlv	Amchem4	FieldBlank
Water	SAMPLE DATE	5/20/2010	5/20/2010	5/20/2010
	SAMPLE TIME	09:40	09:10	12:30
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050269-005	H10050269-004	H10050269-010
	SAMPLE NUMBER	EHR-0510-318	EHR-0510-317	EHR-0510-323
	TYPE	Domestic Wells	Domestic Wells	Field QC
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			Blank
Physical/Fld-Lab: ppm unless noted				
	Total Suspended Solids	<10	12	<10
	TDS (Measured at 180 C)	341	260	<10
	Water Temperature (C) (Fld)	11.4	13.3	

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

Run Time: 6/11/2010 10:53:55 AM

C:\EnviroDataDB\Databases\V5_B_DB\EastHelena.mdb

APPENDIX 3

FIELD NOTES

MAY 20, 2010
ANNUAL LONG-TERM MONITORING PROGRAM
RESIDENTIAL WELL AND PUBLIC WATER SUPPLIES

FIELD STANDARDIZATION OF HORIBA

	STANDARD VALUE	METER READING
ph	4.00 SU	4.00 SU
CONDUCTIVITY	4490 umhos/cm	4480 umhos/cm
D.O	0.23%	0.23%

ENERGY LAB 717 umhos STANDARD SOLUTION
READ 683 umhos/cm ON HORIBA

FOLEY
EHR-0510-314
203 GAIL STREET
SAMPLE COLLECTED FROM NORTH FACING
SPIGOT ATTACHED TO HOUSE

ph	6.68 SU
CONDUCTIVITY	240 umhos/cm
D.O	6.67 mg/l
TEMP	10.7°C

SIMACI DRINKING WATER
EHR-0510-315
2540 WYLIE DRIVE
SAMPLE COLLECTED FROM HOUSE SPIGOT
ON EAST SIDE

ph	6.67 SU
CONDUCTIVITY	411 umhos/cm
D.O.	6.36 mg/l
TEMP	9.0°C

SIMAC IRRIGATION SYSTEM
EHR-0510-316
2540 Wylie Drive
First sample from irrigation system
This season, collected from stock tank hose
ph 6.90 SU
Conductivity 316 umhos/cm
D.O. 5.98 mg/l
Temp 10.2°C

AMERICAN CHEMET
Well No. 4, sample turbid
EHR-0510-317
Sample collected from well hose spigot
ph 6.91 SU
Conductivity 288 umhos/cm
D.O. 8.91 mg/l
Temp 13.3°C

WISEMAN
802 Manlove
EHR-0510-318
Sample collected from outside spigot by utility pole
ph 7.45 SU
Conductivity 410 umhos/cm
D.O. 10.24 mg/l
Temp 11.4°C

ST. GERMAINE DRINKING WATER
EHR-0510-319
126 E. Clinton Avenue
Sample obtained from spigot on south side house
ph 6.97 SU
Conductivity 319 umhos/cm
D.O. 8.84 mg/l
Temp 9.3°C

ST. GERMAINE IRRIGATION SYSTEM
After St. Germaine turned pump on, sampled from spigot east of adjacent home
EH-0510-320 126 E. Clinton
ph 6.98 SU
Conductivity 355 umhos/cm
D.O. 7.52 mg/l
Temp 9.8°C

GAGE
210 E Goschen
EHR-0510-321 Original
EHR-0510-322 Duplicate
Sample collected from yard spigot north side of house
ph 7.01 SU
Conductivity 316 umhos/cm
D.O. 7.85 mg/l
Temp. 10.2°C

FIELD BLANK
EHR-0510-323

APPENDIX 4

CHAIN OF CUSTODIES

APPENDIX 5

LABORATORY REPORT

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

ANALYTICAL SUMMARY REPORT

June 01, 2010

Jon Nickel
Montana Environmental Custodial Trust
PO Box 1230
E. Helena, MT 59635-1230

Workorder No.: H10050269 Quote ID: H493 - All Water Sampling combined

Project Name: Annual Long-Term RI/FS Res. Monitoring - May 2010

Energy Laboratories Inc received the following 10 samples for Montana Environmental Custodial Trust on 5/20/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H10050269-001	EHR-0510-314	05/20/10 7:30	05/20/10	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity Conductivity Anions by Ion Chromatography pH Preparation for TDS Preparation for TSS Solids, Total Dissolved Solids, Total Suspended
H10050269-002	EHR-0510-315	05/20/10 8:00	05/20/10	Aqueous	Same As Above
H10050269-003	EHR-0510-316	05/20/10 8:30	05/20/10	Aqueous	Same As Above
H10050269-004	EHR-0510-317	05/20/10 9:10	05/20/10	Aqueous	Same As Above
H10050269-005	EHR-0510-318	05/20/10 9:40	05/20/10	Aqueous	Same As Above
H10050269-006	EHR-0510-319	05/20/10 13:00	05/20/10	Aqueous	Same As Above
H10050269-007	EHR-0510-320	05/20/10 13:30	05/20/10	Aqueous	Same As Above
H10050269-008	EHR-0510-321	05/20/10 11:30	05/20/10	Aqueous	Same As Above
H10050269-009	EHR-0510-322	05/20/10 12:00	05/20/10	Aqueous	Same As Above
H10050269-010	EHR-0510-323	05/20/10 12:30	05/20/10	Aqueous	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By: Assistant Laboratory Manager - Helena

Digitally signed by
Jon Hager
Date: 2010.06.02 15:38:26 -06:00

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-314
Lab ID: H10050269-001
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 07:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/21/10 12:11 / WB		MAN-TECH_100521B	8	R62490
Conductivity	276	umhos/cm		1		A2510 B	05/21/10 12:11 / WB		MAN-TECH_100521B	7	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:43 / WB	05/25/10 11:05	J-124 (14410200)_100525A	5	8842
Solids, Total Dissolved TDS @ 180 C	185	mg/L		10		A2540 C	05/25/10 12:59 / WB	05/25/10 10:59	J-124 (14410200)_100525B	3	8841
INORGANICS											
Alkalinity, Total as CaCO3	79	mg/L		1		A2320 B	05/24/10 16:55 / WB		MAN-TECH_100524A	19	R62540
Bicarbonate as HCO3	97	mg/L		1		A2320 B	05/24/10 16:55 / WB		MAN-TECH_100524A	19	R62540
Chloride	4	mg/L		1		E300.0	05/21/10 18:09 / WB		IC101-H_100521A	9	R62486
Sulfate	49	mg/L		1		E300.0	05/21/10 18:09 / WB		IC101-H_100521A	9	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Calcium	30	mg/L		1		E200.7	05/28/10 09:59 / sld		ICP1-HE_100528A	16	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Copper	0.018	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Magnesium	7	mg/L		1		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 17:46 / dck		ICPMS204-B_100525A	43	R62579
Potassium	2	mg/L		1		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Selenium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-314
Lab ID: H10050269-001
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 07:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 09:59 / sld		ICP1-HE_100528A	16	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 01:05 / dck		ICPMS204-B_100524B	19	R62560

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-315
Lab ID: H10050269-002
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 08:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/21/10 12:18 / WB		MAN-TECH_100521B	11	R62490
Conductivity	470	umhos/cm		1		A2510 B	05/21/10 12:18 / WB		MAN-TECH_100521B	10	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:43 / WB	05/25/10 11:05	J-124 (14410200)_100525A	6	8842
Solids, Total Dissolved TDS @ 180 C	340	mg/L		10		A2540 C	05/25/10 13:00 / WB	05/25/10 10:59	J-124 (14410200)_100525B	4	8841
INORGANICS											
Alkalinity, Total as CaCO3	120	mg/L		1		A2320 B	05/24/10 17:18 / WB		MAN-TECH_100524A	23	R62540
Bicarbonate as HCO3	140	mg/L		1		A2320 B	05/24/10 17:18 / WB		MAN-TECH_100524A	23	R62540
Chloride	6	mg/L		1		E300.0	05/21/10 18:25 / WB		IC101-H_100521A	10	R62486
Sulfate	110	mg/L		1		E300.0	05/21/10 18:25 / WB		IC101-H_100521A	10	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Calcium	58	mg/L		1		E200.7	05/28/10 10:02 / sld		ICP1-HE_100528A	17	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Copper	0.002	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Magnesium	12	mg/L		1		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:06 / dck		ICPMS204-B_100525A	47	R62579
Potassium	5	mg/L		1		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Selenium	0.003	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-315
Lab ID: H10050269-002
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 08:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	18	mg/L		1		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:02 / sld		ICP1-HE_100528A	17	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Zinc	0.03	mg/L		0.01		E200.8	05/25/10 01:26 / dck		ICPMS204-B_100524B	23	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-316
Lab ID: H10050269-003
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 08:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.6	s.u.		0.1		A4500-H B	05/21/10 12:39 / WB		MAN-TECH_100521B	16	R62490
Conductivity	363	umhos/cm		1		A2510 B	05/21/10 12:39 / WB		MAN-TECH_100521B	15	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:43 / WB	05/25/10 11:05	J-124 (14410200)_100525A	7	8842
Solids, Total Dissolved TDS @ 180 C	246	mg/L		10		A2540 C	05/25/10 13:01 / WB	05/25/10 10:59	J-124 (14410200)_100525B	5	8841
INORGANICS											
Alkalinity, Total as CaCO3	90	mg/L		1		A2320 B	05/24/10 17:25 / WB		MAN-TECH_100524A	25	R62540
Bicarbonate as HCO3	110	mg/L		1		A2320 B	05/24/10 17:25 / WB		MAN-TECH_100524A	25	R62540
Chloride	6	mg/L		1		E300.0	05/21/10 18:41 / WB		IC101-H_100521A	11	R62486
Sulfate	76	mg/L		1		E300.0	05/21/10 18:41 / WB		IC101-H_100521A	11	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Calcium	40	mg/L		1		E200.7	05/28/10 10:05 / sld		ICP1-HE_100528A	18	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:15 / sld		ICP1-HE_100521A	18	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:15 / sld		ICP1-HE_100521A	18	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Magnesium	9	mg/L		1		E200.7	05/21/10 10:15 / sld		ICP1-HE_100521A	18	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:12 / dck		ICPMS204-B_100525A	48	R62579
Potassium	3	mg/L		1		E200.7	05/21/10 10:15 / sld		ICP1-HE_100521A	18	R62498
Selenium	0.009	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-316
Lab ID: H10050269-003
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 08:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	21	mg/L		1		E200.7	05/21/10 10:15 / sld		ICP1-HE_100521A	18	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:05 / sld		ICP1-HE_100528A	18	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 01:31 / dck		ICPMS204-B_100524B	24	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-317
Lab ID: H10050269-004
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 09:10 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.9	s.u.		0.1		A4500-H B	05/21/10 12:45 / WB		MAN-TECH_100521B	19	R62490
Conductivity	328	umhos/cm		1		A2510 B	05/21/10 12:45 / WB		MAN-TECH_100521B	18	R62490
Solids, Total Suspended TSS @ 105 C	12	mg/L		10		A2540 D	05/25/10 12:44 / WB	05/25/10 11:05	J-124 (14410200)_100525A	8	8842
Solids, Total Dissolved TDS @ 180 C	260	mg/L		10		A2540 C	05/25/10 13:01 / WB	05/25/10 10:59	J-124 (14410200)_100525B	6	8841
INORGANICS											
Alkalinity, Total as CaCO3	110	mg/L		1		A2320 B	05/24/10 17:32 / WB		MAN-TECH_100524A	27	R62540
Bicarbonate as HCO3	140	mg/L		1		A2320 B	05/24/10 17:32 / WB		MAN-TECH_100524A	27	R62540
Chloride	5	mg/L		1		E300.0	05/21/10 18:58 / WB		IC101-H_100521A	12	R62486
Sulfate	44	mg/L		1		E300.0	05/21/10 18:58 / WB		IC101-H_100521A	12	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Arsenic	0.002	mg/L		0.002		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Calcium	38	mg/L		1		E200.7	05/28/10 10:08 / sld		ICP1-HE_100528A	19	R62723
Chromium	0.001	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Magnesium	8	mg/L		1		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:17 / dck		ICPMS204-B_100525A	49	R62579
Potassium	4	mg/L		1		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Selenium	0.002	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-317
Lab ID: H10050269-004
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 09:10 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	16	mg/L		1		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:08 / sld		ICP1-HE_100528A	19	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 01:57 / dck		ICPMS204-B_100524B	29	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-318
Lab ID: H10050269-005
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 09:40 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.1	s.u.		0.1		A4500-H B	05/21/10 12:58 / WB		MAN-TECH_100521B	25	R62490
Conductivity	470	umhos/cm		1		A2510 B	05/21/10 12:58 / WB		MAN-TECH_100521B	24	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:44 / WB	05/25/10 11:05	J-124 (14410200)_100525A	9	8842
Solids, Total Dissolved TDS @ 180 C	341	mg/L		10		A2540 C	05/25/10 13:02 / WB	05/25/10 10:59	J-124 (14410200)_100525B	7	8841
INORGANICS											
Alkalinity, Total as CaCO3	140	mg/L		1		A2320 B	05/24/10 17:39 / WB		MAN-TECH_100524A	29	R62540
Bicarbonate as HCO3	170	mg/L		1		A2320 B	05/24/10 17:39 / WB		MAN-TECH_100524A	29	R62540
Chloride	14	mg/L		1		E300.0	05/21/10 19:14 / WB		IC101-H_100521A	13	R62486
Sulfate	71	mg/L		1		E300.0	05/21/10 19:14 / WB		IC101-H_100521A	13	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Arsenic	0.017	mg/L		0.002		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Calcium	45	mg/L		1		E200.7	05/28/10 10:11 / sld		ICP1-HE_100528A	20	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Magnesium	11	mg/L		1		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:22 / dck		ICPMS204-B_100525A	50	R62579
Potassium	11	mg/L		1		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Selenium	0.002	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-318
Lab ID: H10050269-005
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 09:40 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	32	mg/L		1		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:11 / sld		ICP1-HE_100528A	20	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Vanadium	0.01	mg/L		0.01		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:02 / dck		ICPMS204-B_100524B	30	R62560

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-319
Lab ID: H10050269-006
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/21/10 13:05 / WB		MAN-TECH_100521B	28	R62490
Conductivity	372	umhos/cm		1		A2510 B	05/21/10 13:05 / WB		MAN-TECH_100521B	27	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:45 / WB	05/25/10 11:05	-124 (14410200)_100525A	11	8842
Solids, Total Dissolved TDS @ 180 C	246	mg/L		10		A2540 C	05/25/10 13:03 / WB	05/25/10 10:59	J-124 (14410200)_100525B	9	8841
INORGANICS											
Alkalinity, Total as CaCO3	86	mg/L		1		A2320 B	05/24/10 17:46 / WB		MAN-TECH_100524A	31	R62540
Bicarbonate as HCO3	110	mg/L		1		A2320 B	05/24/10 17:46 / WB		MAN-TECH_100524A	31	R62540
Chloride	7	mg/L		1		E300.0	05/21/10 19:31 / WB		IC101-H_100521A	14	R62486
Sulfate	78	mg/L		1		E300.0	05/21/10 19:31 / WB		IC101-H_100521A	14	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Calcium	34	mg/L		1		E200.7	05/28/10 10:21 / sld		ICP1-HE_100528A	23	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Copper	0.015	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Magnesium	6	mg/L		1		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:48 / dck		ICPMS204-B_100525A	55	R62579
Potassium	14	mg/L		1		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Selenium	0.007	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-319
Lab ID: H10050269-006
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	23	mg/L		1		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:21 / sld		ICP1-HE_100528A	23	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:07 / dck		ICPMS204-B_100524B	31	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-320
Lab ID: H10050269-007
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/21/10 13:11 / WB		MAN-TECH_100521B	31	R62490
Conductivity	415	umhos/cm		1		A2510 B	05/21/10 13:11 / WB		MAN-TECH_100521B	30	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:47 / WB	05/25/10 11:05	-124 (14410200)_100525A	12	8842
Solids, Total Dissolved TDS @ 180 C	276	mg/L		10		A2540 C	05/25/10 13:04 / WB	05/25/10 10:59	-124 (14410200)_100525B	11	8841
INORGANICS											
Alkalinity, Total as CaCO3	96	mg/L		1		A2320 B	05/24/10 17:52 / WB		MAN-TECH_100524A	33	R62540
Bicarbonate as HCO3	120	mg/L		1		A2320 B	05/24/10 17:52 / WB		MAN-TECH_100524A	33	R62540
Chloride	7	mg/L		1		E300.0	05/21/10 19:47 / WB		IC101-H_100521A	15	R62486
Sulfate	95	mg/L		1		E300.0	05/21/10 19:47 / WB		IC101-H_100521A	15	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Calcium	37	mg/L		1		E200.7	05/28/10 10:30 / sld		ICP1-HE_100528A	26	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Copper	0.004	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Iron	0.02	mg/L		0.02		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Magnesium	9	mg/L		1		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:53 / dck		ICPMS204-B_100525A	56	R62579
Potassium	4	mg/L		1		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Selenium	0.009	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-320
Lab ID: H10050269-007
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	29	mg/L		1		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:30 / sld		ICP1-HE_100528A	26	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:12 / dck		ICPMS204-B_100524B	32	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-321
Lab ID: H10050269-008
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 11:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/21/10 13:17 / WB		MAN-TECH_100521B	34	R62490
Conductivity	383	umhos/cm		1		A2510 B	05/21/10 13:17 / WB		MAN-TECH_100521B	33	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:47 / WB	05/25/10 11:05	-124 (14410200)_100525A	13	8842
Solids, Total Dissolved TDS @ 180 C	254	mg/L		10		A2540 C	05/25/10 13:05 / WB	05/25/10 10:59	-124 (14410200)_100525B	12	8841
INORGANICS											
Alkalinity, Total as CaCO3	96	mg/L		1		A2320 B	05/24/10 17:59 / WB		MAN-TECH_100524A	35	R62540
Bicarbonate as HCO3	120	mg/L		1		A2320 B	05/24/10 17:59 / WB		MAN-TECH_100524A	35	R62540
Chloride	6	mg/L		1		E300.0	05/21/10 20:04 / WB		IC101-H_100521A	16	R62486
Sulfate	81	mg/L		1		E300.0	05/21/10 20:04 / WB		IC101-H_100521A	16	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Calcium	39	mg/L		1		E200.7	05/28/10 10:33 / sld		ICP1-HE_100528A	27	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Iron	0.11	mg/L		0.02		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Magnesium	8	mg/L		1		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:58 / dck		ICPMS204-B_100525A	57	R62579
Potassium	3	mg/L		1		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Selenium	0.006	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-321
Lab ID: H10050269-008
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 11:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	28	mg/L		1		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:33 / sld		ICP1-HE_100528A	27	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:17 / dck		ICPMS204-B_100524B	33	R62560

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-322
Lab ID: H10050269-009
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 12:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/21/10 13:25 / WB		MAN-TECH_100521B	37	R62490
Conductivity	386	umhos/cm		1		A2510 B	05/21/10 13:25 / WB		MAN-TECH_100521B	36	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:48 / WB	05/25/10 11:05	-124 (14410200)_100525A	14	8842
Solids, Total Dissolved TDS @ 180 C	259	mg/L		10		A2540 C	05/25/10 13:05 / WB	05/25/10 10:59	-124 (14410200)_100525B	13	8841
INORGANICS											
Alkalinity, Total as CaCO3	96	mg/L		1		A2320 B	05/24/10 18:06 / WB		MAN-TECH_100524A	37	R62540
Bicarbonate as HCO3	120	mg/L		1		A2320 B	05/24/10 18:06 / WB		MAN-TECH_100524A	37	R62540
Chloride	6	mg/L		1		E300.0	05/21/10 20:20 / WB		IC101-H_100521A	17	R62486
Sulfate	83	mg/L		1		E300.0	05/21/10 20:20 / WB		IC101-H_100521A	17	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Calcium	39	mg/L		1		E200.7	05/28/10 10:36 / sld		ICP1-HE_100528A	28	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Iron	0.10	mg/L		0.02		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Magnesium	8	mg/L		1		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 19:03 / dck		ICPMS204-B_100525A	58	R62579
Potassium	3	mg/L		1		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Selenium	0.006	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-322
Lab ID: H10050269-009
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 12:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	28	mg/L		1		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:36 / sld		ICP1-HE_100528A	28	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:23 / dck		ICPMS204-B_100524B	34	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-323
Lab ID: H10050269-010
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 12:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	5.3	s.u.		0.1		A4500-H B	05/21/10 13:30 / WB		MAN-TECH_100521B	40	R62490
Conductivity	ND	umhos/cm		1		A2510 B	05/21/10 13:30 / WB		MAN-TECH_100521B	39	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:48 / WB	05/25/10 11:05	-124 (14410200)_100525A	15	8842
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	05/25/10 13:06 / WB	05/25/10 10:59	-124 (14410200)_100525B	14	8841
INORGANICS											
Alkalinity, Total as CaCO3	ND	mg/L		1		A2320 B	05/24/10 18:10 / WB		MAN-TECH_100524A	39	R62540
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	05/24/10 18:10 / WB		MAN-TECH_100524A	39	R62540
Chloride	ND	mg/L		1		E300.0	05/21/10 20:36 / WB		IC101-H_100521A	18	R62486
Sulfate	ND	mg/L		1		E300.0	05/21/10 20:36 / WB		IC101-H_100521A	18	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Calcium	ND	mg/L		1		E200.7	05/28/10 10:39 / sld		ICP1-HE_100528A	29	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:49 / sld		ICP1-HE_100521A	29	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:49 / sld		ICP1-HE_100521A	29	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Magnesium	ND	mg/L		1		E200.7	05/21/10 10:49 / sld		ICP1-HE_100521A	29	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 19:08 / dck		ICPMS204-B_100525A	59	R62579
Potassium	ND	mg/L		1		E200.7	05/21/10 10:49 / sld		ICP1-HE_100521A	29	R62498
Selenium	ND	mg/L		0.001		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-323
Lab ID: H10050269-010
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 12:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	ND	mg/L		1		E200.7	05/21/10 10:49 / sld		ICP1-HE_100521A	29	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:39 / sld		ICP1-HE_100528A	29	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:30 / dck		ICPMS204-B_100521B	61	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:28 / dck		ICPMS204-B_100524B	35	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: 8841

Date: *02-Jun-10*

Run ID :Run Order: **ACCU-124 (14410200)_100525B: 1** SampType: **Method Blank** Sample ID: **MB-8841** Method: **A2540 C**
Analysis Date: **05/25/10 12:58** Units: **mg/L** **Prep Info:** Prep Date: **5/25/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	9	1									

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **ACCU-124 (14410200)_100525B: 2** SampType: **Laboratory Control Sample** Sample ID: **LCS-8841** Method: **A2540 C**
Analysis Date: **05/25/10 12:59** Units: **mg/L** **Prep Info:** Prep Date: **5/25/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	2010	10	2000	9	**100**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **ACCU-124 (14410200)_100525B: 8** SampType: **Sample Duplicate** Sample ID: **H10050269-005ADUP** Method: **A2540 C**
Analysis Date: **05/25/10 13:02** Units: **mg/L** **Prep Info:** Prep Date: **5/25/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	340	10						341	**0.3**	5	

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **ACCU-124 (14410200)_100525B: 10** SampType: **Sample Matrix Spike** Sample ID: **H10050269-006AMS** Method: **A2540 C**
Analysis Date: **05/25/10 13:04** Units: **mg/L** **Prep Info:** Prep Date: **5/25/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	2240	10	2000	246	**100**	80	120				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: 8842

Date: *02-Jun-10*

Run ID :Run Order: **ACCU-124 (14410200)_100525A: 1** SampType: **Method Blank** Sample ID: **MB-8842** Method: **A2540 D**

Analysis Date: **05/25/10 12:41** Units: **mg/L** **Prep Info:** Prep Date: **5/25/2010** Prep Method: **A2540 D**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Suspended TSS @ 105 C	ND	1									

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **ACCU-124 (14410200)_100525A: 2** SampType: **Laboratory Control Sample** Sample ID: **LCS-8842** Method: **A2540 D**

Analysis Date: **05/25/10 12:42** Units: **mg/L** **Prep Info:** Prep Date: **5/25/2010** Prep Method: **A2540 D**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Suspended TSS @ 105 C	1870	10	2000		**93**	70	130				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **ACCU-124 (14410200)_100525A: 10** SampType: **Sample Duplicate** Sample ID: **H10050269-005ADUP** Method: **A2540 D**

Analysis Date: **05/25/10 12:45** Units: **mg/L** **Prep Info:** Prep Date: **5/25/2010** Prep Method: **A2540 D**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Suspended TSS @ 105 C	ND	10								5	

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62486

Date: *02-Jun-10*

Run ID :Run Order: **IC101-H_100521A: 1** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV052110-12** Method: **E300.0**

Analysis Date: **05/21/10 15:57** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	11	1.0	12.5		**92**	90	110				
Sulfate	50	1.0	50		**99**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **IC101-H_100521A: 2** SampType: **Method Blank** Sample ID: **ICB052110-13** Method: **E300.0**

Analysis Date: **05/21/10 16:14** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.05									
Sulfate	0.4	0.1									

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **IC101-H_100521A: 3** SampType: **Laboratory Fortified Blank** Sample ID: **LFB052110-14** Method: **E300.0**

Analysis Date: **05/21/10 16:30** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	23	1.0	25		**92**	90	110				
Sulfate	49	1.0	50	0.356	**96**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **IC101-H_100521A: 4** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV052110-15** Method: **E300.0**

Analysis Date: **05/21/10 16:46** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	23	1.0	25		**93**	90	110				
Sulfate	48	1.0	50		**97**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **IC101-H_100521A: 7** SampType: **Sample Matrix Spike** Sample ID: **H10050249-001AMS** Method: **E300.0**

Analysis Date: **05/21/10 17:36** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	28	1.0	25	4.928	**93**	90	110				
Sulfate	290	1.0	50	236.4		90	110				A

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62486

Run ID :Run Order: **IC101-H_100521A: 7** SampType: **Sample Matrix Spike** Sample ID: **H10050249-001AMS** Method: **E300.0**

Analysis Date: **05/21/10 17:36** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **IC101-H_100521A: 8** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050249-001AMSD** Method: **E300.0**

Analysis Date: **05/21/10 17:52** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	28	1.0	25	4.928	**93**	90	110	28.09	**0.1**	20	
Sulfate	290	1.0	50	236.4		90	110	285.3	**0.1**	20	A

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62490

Run ID :Run Order: **MAN-TECH_100521B: 1** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **A2510 B**

Analysis Date: **05/21/10 11:47** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	705	1.0	717.5		**98**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **MAN-TECH_100521B: 4** SampType: **Laboratory Control Sample** Sample ID: **LCS** Method: **A2510 B**

Analysis Date: **05/21/10 11:57** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	1410	1.0	1412		**100**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **MAN-TECH_100521B: 21** SampType: **Sample Duplicate** Sample ID: **H10050269-004ADUP** Method: **A2510 B**

Analysis Date: **05/21/10 12:52** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	329	1.0						327.9	**0.3**	10	

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62490

Date: *02-Jun-10*

Run ID :Run Order: **MAN-TECH_100521B: 2** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **A4500-H B**

Analysis Date: **05/21/10 11:50** Units: **s.u.** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.98	0.10	7		100	99	101				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **MAN-TECH_100521B: 22** SampType: **Sample Duplicate** Sample ID: **H10050269-004ADUP** Method: **A4500-H B**

Analysis Date: **05/21/10 12:52** Units: **s.u.** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.85	0.10						7.87	**0.3**	2	

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62498

Run ID :Run Order: **ICP1-HE_100521A: 5** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **E200.7**

Analysis Date: **05/21/10 09:33** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	2.00	0.10	2		**100**	95	105				
Iron	3.93	0.030	4		**98**	95	105				
Magnesium	39.5	1.0	40		**99**	95	105				
Potassium	38.6	1.0	40		**97**	95	105				
Sodium	40.4	1.0	40		**101**	95	105				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 10** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/21/10 09:49** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.0319	0.10				0	0				
Iron	189	0.030	200		**95**	80	120				
Magnesium	554	1.0	500		**111**	80	120				
Potassium	0.0185	1.0				0	0				
Sodium	0.0487	1.0				0	0				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 11** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/21/10 09:52** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	1.07	0.10	1		**107**	80	120				
Iron	188	0.030	200		**94**	80	120				
Magnesium	559	1.0	500		**112**	80	120				
Potassium	21.4	1.0	20		**107**	80	120				
Sodium	22.2	1.0	20		**111**	80	120				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 12** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**

Analysis Date: **05/21/10 09:56** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	2.52	0.10	2.5		**101**	90	110				

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Work Order: H10050269
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ANALYTICAL QC SUMMARY REPORT

BatchID: R62498

Date: *02-Jun-10*

Run ID :Run Order: **ICP1-HE_100521A: 12** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**

Analysis Date: **05/21/10 09:56** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Iron	2.48	0.030	2.5		**99**	90	110				
Magnesium	24.5	1.0	25		**98**	90	110				
Potassium	24.6	1.0	25		**98**	90	110				
Sodium	25.9	1.0	25		**104**	90	110				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B**

Run ID :Run Order: **ICP1-HE_100521A: 14** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**

Analysis Date: **05/21/10 10:03** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	ND	0.002									
Iron	ND	0.002									
Magnesium	ND	0.02									
Potassium	ND	0.04									
Sodium	ND	0.1									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 15** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**

Analysis Date: **05/21/10 10:06** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.502	0.10	0.5		**100**	85	115				
Iron	0.965	0.030	1		**96**	85	115				
Magnesium	9.64	1.0	10		**96**	85	115				
Potassium	10.1	1.0	10		**101**	85	115				
Sodium	10.2	1.0	10		**102**	85	115				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 21** SampType: **Sample Matrix Spike** Sample ID: **H10050269-005BMS2** Method: **E200.7**

Analysis Date: **05/21/10 10:24** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.979	0.010	1		**98**	70	130				
Iron	1.91	0.030	2		**96**	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62498

Date: *02-Jun-10*

Run ID :Run Order: **ICP1-HE_100521A: 21** SampType: **Sample Matrix Spike** Sample ID: **H10050269-005BMS2** Method: **E200.7**
Analysis Date: **05/21/10 10:24** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	30.5	1.0	20	10.91	**98**	70	130				
Potassium	31.0	1.0	20	11.33	**98**	70	130				
Sodium	54.1	1.0	20	32.11	**110**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 22** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050269-005BMSD2** Method: **E200.7**
Analysis Date: **05/21/10 10:27** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.977	0.010	1		**98**	70	130	0.9792	**0.2**	20	
Iron	1.91	0.030	2		**96**	70	130	1.91	**0**	20	
Magnesium	30.9	1.0	20	10.91	**100**	70	130	30.5	**1.2**	20	
Potassium	30.5	1.0	20	11.33	**96**	70	130	31	**1.8**	20	
Sodium	52.2	1.0	20	32.11	**101**	70	130	54.12	**3.6**	20	

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 24** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**
Analysis Date: **05/21/10 10:34** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	2.51	0.10	2.5		**100**	90	110				
Iron	2.44	0.030	2.5		**98**	90	110				
Magnesium	24.2	1.0	25		**97**	90	110				
Potassium	24.1	1.0	25		**96**	90	110				
Sodium	25.7	1.0	25		**103**	90	110				

Associated samples: **H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 48** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**
Analysis Date: **05/21/10 11:47** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.0359	0.10				0	0				
Iron	177	0.030	200		**89**	80	120				
Magnesium	517	1.0	500		**103**	80	120				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

BatchID: R62498

Run ID :Run Order: **ICP1-HE_100521A: 48** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/21/10 11:47** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Potassium	0.0237	1.0				0	0				
Sodium	0.0531	1.0				0	0				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 49** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/21/10 11:50** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	1.04	0.10	1		**104**	80	120				
Iron	184	0.030	200		**92**	80	120				
Magnesium	549	1.0	500		**110**	80	120				
Potassium	20.7	1.0	20		**103**	80	120				
Sodium	21.7	1.0	20		**108**	80	120				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 55** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**

Analysis Date: **05/21/10 18:31** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.481	0.10	0.5		**96**	85	115				
Iron	0.934	0.030	1		**93**	85	115				
Magnesium	9.20	1.0	10		**92**	85	115				
Potassium	9.82	1.0	10		**98**	85	115				
Sodium	9.81	1.0	10		**98**	85	115				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 66** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/21/10 19:05** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.0276	0.10				0	0				
Iron	170	0.030	200		**85**	80	120				
Magnesium	499	1.0	500		**100**	80	120				
Potassium	0.0205	1.0				0	0				

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62498

Run ID :Run Order: **ICP1-HE_100521A: 66** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/21/10 19:05** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	0.0500	1.0				0	0				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100521A: 67** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/21/10 19:08** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.990	0.10	1		**99**	80	120				
Iron	173	0.030	200		**87**	80	120				
Magnesium	513	1.0	500		**103**	80	120				
Potassium	20.5	1.0	20		**102**	80	120				
Sodium	21.3	1.0	20		**106**	80	120				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

BatchID: R62513

Run ID :Run Order: **ICPMS204-B_100521B: 8** SampType: **Initial Calibration Verification Standard** Sample ID: **QCS STD** Method: **E200.8**

Analysis Date: **05/21/10 23:56** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.261	0.10	0.25		**104**	90	110				
Antimony	0.0482	0.050	0.05		**96**	90	110				
Arsenic	0.0492	0.0050	0.05		**98**	90	110				
Barium	0.0500	0.10	0.05		**100**	90	110				
Beryllium	0.0253	0.0010	0.025		**101**	90	110				
Cadmium	0.0260	0.0010	0.025		**104**	90	110				
Chromium	0.0494	0.010	0.05		**99**	90	110				
Cobalt	0.0501	0.010	0.05		**100**	90	110				
Copper	0.0504	0.010	0.05		**101**	90	110				
Lead	0.0502	0.010	0.05		**100**	90	110				
Manganese	0.258	0.010	0.25		**103**	90	110				
Mercury	0.00199	0.0010	0.002		**100**	90	110				
Selenium	0.0501	0.0050	0.05		**100**	90	110				
Silver	0.0258	0.0050	0.025		**103**	90	110				
Thallium	0.0508	0.10	0.05		**102**	90	110				
Vanadium	0.0491	0.10	0.05		**98**	90	110				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100521B: 9** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.8**

Analysis Date: **05/22/10 00:01** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	43.2	0.10	40		**108**	70	130				
Antimony	0.000780	0.050									
Arsenic	0.000161	0.0050									
Barium	0.000452	0.10									
Beryllium	2.30E-05	0.0010									
Cadmium	0.000975	0.0010									
Chromium	0.000985	0.010									
Cobalt	0.00195	0.010									
Copper	0.00376	0.010									
Lead	0.000123	0.010									
Manganese	0.00256	0.010									
Mercury	6.10E-05	0.0010									

Qualifiers: ND - Not Detected at the Reporting Limit
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N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Work Order: H10050269
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Run ID :Run Order: **ICPMS204-B_100521B: 9** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.8**

Analysis Date: **05/22/10 00:01** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	2.70E-05	0.0050									
Silver	0.000355	0.0050									
Thallium	9.60E-05	0.10									
Vanadium	0.000333	0.10									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100521B: 10** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.8**

Analysis Date: **05/22/10 00:06** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	45.4	0.10	40		**114**	70	130				
Antimony	0.000317	0.050				0	0				
Arsenic	0.0111	0.0050	0.01		**111**	70	130				
Barium	0.000474	0.10				0	0				
Beryllium	5.00E-06	0.0010				0	0				
Cadmium	0.0118	0.0010	0.01		**118**	70	130				
Chromium	0.0234	0.010	0.02		**117**	70	130				
Cobalt	0.0247	0.010	0.02		**123**	70	130				
Copper	0.0261	0.010	0.02		**130**	70	130				
Lead	9.60E-05	0.010				0	0				
Manganese	0.0259	0.010	0.02		**129**	70	130				
Mercury	3.50E-05	0.0010				0	0				
Selenium	0.0110	0.0050	0.01		**109**	70	130				
Silver	0.0182	0.0050	0.02		**91**	70	130				
Thallium	4.40E-05	0.10				0	0				
Vanadium	0.0232	0.10	0.02		**116**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100521B: 16** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.8**

Analysis Date: **05/22/10 00:37** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.0002									
Antimony	2E-05	1E-05									

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; A - Analyte concentration greater than three times the spike amount

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Run ID :Run Order: **ICPMS204-B_100521B: 16** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.8**

Analysis Date: **05/22/10 00:37** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	5E-05									
Barium	3E-05	2E-05									
Beryllium	ND	1E-05									
Cadmium	2E-05	1E-05									
Chromium	ND	5E-05									
Cobalt	ND	1E-05									
Copper	ND	4E-05									
Lead	ND	1E-05									
Manganese	ND	2E-05									
Mercury	6E-06	5E-06									
Selenium	ND	0.001									
Silver	0.0005	2E-05									
Thallium	ND	2E-05									
Vanadium	3E-05	3E-05									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100521B: 17** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.8**

Analysis Date: **05/22/10 00:43** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0494	0.10	0.05		**99**	85	115				
Antimony	0.0500	0.050	0.05	0.0000249	**100**	85	115				
Arsenic	0.0486	0.0050	0.05		**97**	85	115				
Barium	0.0513	0.10	0.05	0.0000337	**103**	85	115				
Beryllium	0.0483	0.0010	0.05		**97**	85	115				
Cadmium	0.0495	0.0010	0.05	0.0000158	**99**	85	115				
Chromium	0.0489	0.010	0.05		**98**	85	115				
Cobalt	0.0492	0.010	0.05		**98**	85	115				
Copper	0.0491	0.010	0.05		**98**	85	115				
Lead	0.0506	0.010	0.05		**101**	85	115				
Manganese	0.0499	0.010	0.05		**100**	85	115				
Mercury	0.00102	0.0010	0.001	0.0000055	**102**	85	115				
Selenium	0.0487	0.0050	0.05		**97**	85	115				
Silver	0.0183	0.0050	0.02	0.0005192	**89**	85	115				

Qualifiers: ND - Not Detected at the Reporting Limit
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Run ID :Run Order: **ICPMS204-B_100521B: 17** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.8**

Analysis Date: **05/22/10 00:43** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Thallium	0.0503	0.10	0.05		**101**	85	115				
Vanadium	0.0499	0.10	0.05	0.0000324	**100**	85	115				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100521B: 46** SampType: **Sample Matrix Spike** Sample ID: **H10050269-001BMS** Method: **E200.8**

Analysis Date: **05/22/10 03:12** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0499	0.10	0.05		**100**	70	130				
Antimony	0.0503	0.0050	0.05	0.0000881	**100**	70	130				
Arsenic	0.0511	0.0050	0.05	0.0003886	**101**	70	130				
Barium	0.0793	0.10	0.05	0.03038	**98**	70	130				
Beryllium	0.0493	0.0010	0.05		**99**	70	130				
Cadmium	0.0493	0.0010	0.05		**99**	70	130				
Chromium	0.0504	0.010	0.05	0.0002894	**100**	70	130				
Cobalt	0.0494	0.010	0.05	0.0000883	**99**	70	130				
Copper	0.0678	0.010	0.05	0.01847	**99**	70	130				
Lead	0.0513	0.010	0.05	0.0000682	**102**	70	130				
Manganese	0.0517	0.010	0.05	0.000898	**102**	70	130				
Mercury	0.00103	0.0010	0.001	0.0000169	**101**	70	130				
Selenium	0.0519	0.0050	0.05		**104**	70	130				
Silver	0.0175	0.0050	0.02		**88**	70	130				
Thallium	0.0512	0.0050	0.05	0.0000539	**102**	70	130				
Vanadium	0.0516	0.10	0.05	0.0009151	**101**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100521B: 47** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050269-001BMSD** Method: **E200.8**

Analysis Date: **05/22/10 03:17** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0504	0.10	0.05		**101**	70	130	0.04987		20	
Antimony	0.0504	0.0050	0.05	0.0000881	**101**	70	130	0.05032	**0.1**	20	
Arsenic	0.0508	0.0050	0.05	0.0003886	**101**	70	130	0.0511	**0.7**	20	
Barium	0.0790	0.10	0.05	0.03038	**97**	70	130	0.07931		20	

Qualifiers: ND - Not Detected at the Reporting Limit
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Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62513

Run ID :Run Order: **ICPMS204-B_100521B: 47** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050269-001BMSD** Method: **E200.8**

Analysis Date: **05/22/10 03:17** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 16	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	0.0497	0.0010	0.05		**99**	70	130	0.04932	**0.7**	20	
Cadmium	0.0495	0.0010	0.05		**99**	70	130	0.04928	**0.4**	20	
Chromium	0.0507	0.010	0.05	0.0002894	**101**	70	130	0.05037	**0.6**	20	
Cobalt	0.0501	0.010	0.05	0.0000883	**100**	70	130	0.04938	**1.5**	20	
Copper	0.0679	0.010	0.05	0.01847	**99**	70	130	0.06778	**0.2**	20	
Lead	0.0517	0.010	0.05	0.0000682	**103**	70	130	0.05125	**0.8**	20	
Manganese	0.0519	0.010	0.05	0.000898	**102**	70	130	0.05173	**0.3**	20	
Mercury	0.00104	0.0010	0.001	0.0000169	**102**	70	130	0.00103	**0.9**	20	
Selenium	0.0500	0.0050	0.05		**100**	70	130	0.05185	**3.7**	20	
Silver	0.0186	0.0050	0.02		**93**	70	130	0.01752	**6**	20	
Thallium	0.0515	0.0050	0.05	0.0000539	**103**	70	130	0.05123	**0.4**	20	
Vanadium	0.0512	0.10	0.05	0.0009151	**101**	70	130	0.05162		20	

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62540

Date: *02-Jun-10*

Run ID :Run Order: **MAN-TECH_100524A: 3** SampType: **Method Blank** Sample ID: **MBLK** Method: **A2320 B**
Analysis Date: **05/24/10 16:00** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	ND	0.9									

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **MAN-TECH_100524A: 5** SampType: **Laboratory Control Sample** Sample ID: **LCS** Method: **A2320 B**
Analysis Date: **05/24/10 16:10** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	600	4.0	600		**99**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **MAN-TECH_100524A: 21** SampType: **Sample Matrix Spike** Sample ID: **H10050269-001AMS** Method: **A2320 B**
Analysis Date: **05/24/10 17:03** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	670	4.0	600	79.38	**98**	90	110				

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Run ID :Run Order: **MAN-TECH_100524A: 22** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050269-001AMSD** Method: **A2320 B**
Analysis Date: **05/24/10 17:11** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	650	4.0	600	79.38	**95**	90	110	666.4	**2.2**	20	

Associated samples: **H10050269-001A; H10050269-002A; H10050269-003A; H10050269-004A; H10050269-005A; H10050269-006A; H10050269-007A; H10050269-008A; H10050269-009A; H10050269-010A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62560

Date: *02-Jun-10*

Run ID :Run Order: **ICPMS204-B_100524B: 8** SampType: **Initial Calibration Verification Standard** Sample ID: **QCS STD** Method: **E200.8**
Analysis Date: **05/25/10 00:08** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.0515	0.010	0.05		**103**	90	110				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100524B: 9** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.8**
Analysis Date: **05/25/10 00:14** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.00234	0.010									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100524B: 10** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.8**
Analysis Date: **05/25/10 00:19** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.0120	0.010	0.01		**120**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100524B: 16** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.8**
Analysis Date: **05/25/10 00:50** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.002	0.0004									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100524B: 17** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.8**
Analysis Date: **05/25/10 00:55** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.0506	0.010	0.05	0.002345	**97**	85	115				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62560

Run ID :Run Order: **ICPMS204-B_100524B: 20** SampType: **Sample Matrix Spike** Sample ID: **H10050269-001BMS** Method: **E200.8**

Analysis Date: **05/25/10 01:10** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.0543	0.010	0.05	0.005146	**98**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100524B: 21** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050269-001BMSD** Method: **E200.8**

Analysis Date: **05/25/10 01:16** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Zinc	0.0539	0.010	0.05	0.005146	**97**	70	130	0.05426	**0.8**	20	

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62579

Date: *02-Jun-10*

Run ID :Run Order: **ICPMS204-B_100525A: 7** SampType: **Initial Calibration Verification Standard** Sample ID: **QCS STD** Method: **E200.8**
Analysis Date: **05/25/10 14:07** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0498	0.010	0.05		**100**	90	110				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100525A: 8** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.8**
Analysis Date: **05/25/10 14:12** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.00197	0.010									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100525A: 15** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.8**
Analysis Date: **05/25/10 15:21** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	ND	5E-05									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100525A: 16** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.8**
Analysis Date: **05/25/10 15:26** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0463	0.010	0.05		**93**	85	115				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100525A: 36** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.8**
Analysis Date: **05/25/10 17:10** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0209	0.010	0.02		**105**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

BatchID: R62579

Run ID :Run Order: **ICPMS204-B_100525A: 44** SampType: **Sample Matrix Spike** Sample ID: **H10050269-001BMS** Method: **E200.8**

Analysis Date: **05/25/10 17:51** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0482	0.010	0.05		**96**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICPMS204-B_100525A: 45** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050269-001BMSD** Method: **E200.8**

Analysis Date: **05/25/10 17:56** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0479	0.010	0.05		**96**	70	130	0.04818	**0.7**	20	

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62723

Run ID :Run Order: **ICP1-HE_100528A: 5** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **E200.7**

Analysis Date: **05/28/10 09:21** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	40.7	1.0	40		**102**	95	105				
Tellurium	2.01	0.10	2		**101**	95	105				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 6** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV-1** Method: **E200.7**

Analysis Date: **05/28/10 09:24** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	24.8	1.0	25		**99**	95	105				
Tellurium	2.49	0.10	2.5		**100**	95	105				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 10** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/28/10 09:38** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	510	1.0	500		**102**	80	120				
Tellurium	0.0472	0.10				0	0				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 11** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/28/10 09:41** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	520	1.0	500		**104**	80	120				
Tellurium	0.986	0.10	1		**99**	80	120				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 12** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**

Analysis Date: **05/28/10 09:45** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	24.9	1.0	25		**100**	90	110				
Tellurium	2.55	0.10	2.5		**102**	90	110				

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *02-Jun-10*

Work Order: H10050269

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62723

Run ID :Run Order: **ICP1-HE_100528A: 12** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**

Analysis Date: **05/28/10 09:45** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B**

Run ID :Run Order: **ICP1-HE_100528A: 14** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**

Analysis Date: **05/28/10 09:53** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.1									
Tellurium	ND	0.01									

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 15** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**

Analysis Date: **05/28/10 09:56** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.5	1.0	10		**105**	85	115				
Tellurium	0.992	0.10	1		**99**	85	115				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 21** SampType: **Sample Matrix Spike** Sample ID: **H10050269-005BMS2** Method: **E200.7**

Analysis Date: **05/28/10 10:14** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	70.2	1.0	20	45.44	**124**	70	130				
Tellurium	1.92	0.025	2		**96**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 22** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050269-005BMSD2** Method: **E200.7**

Analysis Date: **05/28/10 10:17** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	66.1	1.0	20	45.44	**104**	70	130	70.22	**6**	20	
Tellurium	1.93	0.025	2		**96**	70	130	1.92	**0.4**	20	

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62723

Date: *02-Jun-10*

Run ID :Run Order: **ICP1-HE_100528A: 24** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**
Analysis Date: **05/28/10 10:24** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	24.3	1.0	25		**97**	90	110				
Tellurium	2.49	0.10	2.5		**100**	90	110				

Associated samples: **H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 35** SampType: **Sample Matrix Spike** Sample ID: **H10050319-005DMS2** Method: **E200.7**
Analysis Date: **05/28/10 10:57** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	107	1.0	20	98.6		70	130				A
Tellurium	1.73	0.025	2		**87**	70	130				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 38** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050319-005DMSD2** Method: **E200.7**
Analysis Date: **05/28/10 11:07** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	119	1.0	20	98.6		70	130	107.4	**10**	20	A
Tellurium	1.92	0.025	2		**96**	70	130	1.73	**10**	20	

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 46** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**
Analysis Date: **05/28/10 11:31** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.8	1.0	10		**108**	85	115				
Tellurium	0.969	0.10	1		**97**	85	115				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 56** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**
Analysis Date: **05/28/10 12:02** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	511	1.0	500		**102**	80	120				
Tellurium	0.0324	0.10				0	0				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050269
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62723

Date: *02-Jun-10*

Run ID :Run Order: **ICP1-HE_100528A: 56** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/28/10 12:02** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Run ID :Run Order: **ICP1-HE_100528A: 57** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/28/10 12:05** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	490	1.0	500		**98**	80	120				
Tellurium	0.911	0.10	1		**91**	80	120				

Associated samples: **H10050269-001B; H10050269-002B; H10050269-003B; H10050269-004B; H10050269-005B; H10050269-006B; H10050269-007B; H10050269-008B; H10050269-009B; H10050269-010B**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Workorder Receipt Checklist

Montana Environmental Custodial Trust

H10050269

Login completed by: Tracy L. Lorash

Date Received: 5/20/2010

Reviewed by: Elizabeth Ulrich

Received by: rlt

Reviewed Date: 5/21/2010

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	9.3°C From Field		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

May 23, 2010

David Jensen
P. O. Box 1021
401 Gail Street
East Helena, Montana 59635

Dear Mr. Jensen:

Enclosed are the analytical results for the water samples that were collected from the 410 Gail Street ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-301 Jensen Residence
Lab ID: H10050078-002 401 Gail Street
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.6	s.u.		0.1		A4500-H B	05/06/10 18:18 / hm		MAN-TECH_100506A	20	R62131
Conductivity	744	umhos/cm		1		A2510 B	05/06/10 18:18 / hm		MAN-TECH_100506A	19	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	34	8701
Solids, Total Dissolved TDS @ 180 C	545	mg/L		10		A2540 C	05/06/10 15:01 / hm	05/06/10 14:22	J-124 (14410200)_100506B	7	8705
INORGANICS											
Alkalinity, Total as CaCO3	120	mg/L		1		A2320 B	05/06/10 18:18 / hm		MAN-TECH_100506A	18	R62131
Bicarbonate as HCO3	150	mg/L		1		A2320 B	05/06/10 18:18 / hm		MAN-TECH_100506A	18	R62131
Chloride	26	mg/L		1		E300.0	05/07/10 20:59 / hm		IC101-H_100507A	14	R62191
Sulfate	220	mg/L		1		E300.0	05/07/10 20:59 / hm		IC101-H_100507A	14	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Arsenic	0.003	mg/L		0.002		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Calcium	96	mg/L		1		E200.7	05/10/10 13:18 / sld		ICP1-HE_100510A	71	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Copper	0.004	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Iron	0.18	mg/L		0.02		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Magnesium	21	mg/L		1		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Manganese	0.02	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 16:51 / dck		ICPMS204-B_100513A	42	R62306
Potassium	6	mg/L		1		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Selenium	0.024	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-301
Lab ID: H10050078-002
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	24	mg/L		1		E200.7	05/10/10 18:52 / sld		ICP1-HE_100510B	20	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 18:52 / sld		ICP1-HE_100510B	20	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Zinc	0.04	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

David Duel
P. O. Box 968
3 Gail Street
East Helena, Montana 59635

Dear Mr. Duel:

Enclosed are the analytical results for the water samples that were collected from the 3 Gail Street ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-302 Duel Residence
Lab ID: H10050078-003 3 Gail Street
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 18:41 / hm		MAN-TECH_100506A	27	R62131
Conductivity	287	umhos/cm		1		A2510 B	05/06/10 18:41 / hm		MAN-TECH_100506A	26	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	35	8701
Solids, Total Dissolved TDS @ 180 C	193	mg/L		10		A2540 C	05/06/10 15:01 / hm	05/06/10 14:22	J-124 (14410200)_100506B	8	8705
INORGANICS											
Alkalinity, Total as CaCO3	78	mg/L		1		A2320 B	05/06/10 18:41 / hm		MAN-TECH_100506A	25	R62131
Bicarbonate as HCO3	95	mg/L		1		A2320 B	05/06/10 18:41 / hm		MAN-TECH_100506A	25	R62131
Chloride	5	mg/L		1		E300.0	05/07/10 21:48 / hm		IC101-H_100507A	17	R62191
Sulfate	56	mg/L		1		E300.0	05/07/10 21:48 / hm		IC101-H_100507A	17	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Calcium	29	mg/L		1		E200.7	05/10/10 13:27 / sld		ICP1-HE_100510A	74	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Copper	0.023	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 16:56 / dck		ICPMS204-B_100513A	43	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-302
Lab ID: H10050078-003
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	14	mg/L		1		E200.7	05/10/10 18:55 / sld		ICP1-HE_100510B	21	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 18:55 / sld		ICP1-HE_100510B	21	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Robert Carlson
1 Gail Street
P. O. Box 994
East Helena, Montana 59635

Dear Mr. Carlson:

Enclosed are the analytical results for the water samples that were collected from the 1 Gail Street ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-303 Carlson Residence
Lab ID: H10050078-004 1 Gail Street
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 18:48 / hm		MAN-TECH_100506A	30	R62131
Conductivity	276	umhos/cm		1		A2510 B	05/06/10 18:48 / hm		MAN-TECH_100506A	29	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	36	8701
Solids, Total Dissolved TDS @ 180 C	185	mg/L		10		A2540 C	05/06/10 15:01 / hm	05/06/10 14:22	J-124 (14410200)_100506B	9	8705
INORGANICS											
Alkalinity, Total as CaCO3	76	mg/L		1		A2320 B	05/06/10 18:48 / hm		MAN-TECH_100506A	28	R62131
Bicarbonate as HCO3	93	mg/L		1		A2320 B	05/06/10 18:48 / hm		MAN-TECH_100506A	28	R62131
Chloride	5	mg/L		1		E300.0	05/11/10 19:20 / hm		IC101-H_100511A	6	R62231
Sulfate	52	mg/L		1		E300.0	05/11/10 19:20 / hm		IC101-H_100511A	6	R62231
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Calcium	31	mg/L		1		E200.7	05/10/10 13:30 / sld		ICP1-HE_100510A	75	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Copper	0.072	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Iron	0.05	mg/L		0.02		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:22 / dck		ICPMS204-B_100513A	48	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-303
Lab ID: H10050078-004
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	14	mg/L		1		E200.7	05/10/10 18:58 / sld		ICP1-HE_100510B	22	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 18:58 / sld		ICP1-HE_100510B	22	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Shane and Nelma Mosier
105 Gail Street
P. O. Box 168
East Helena, Montana 59635

Dear Shane and Nelma:

Enclosed are the analytical results for the water samples that were collected from the 105 Gail Street ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-304 Mosier Residence
Lab ID: H10050078-005 105 Gail Street
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 19:01 / hm		MAN-TECH_100506A	36	R62131
Conductivity	279	umhos/cm		1		A2510 B	05/06/10 19:01 / hm		MAN-TECH_100506A	35	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	37	8701
Solids, Total Dissolved TDS @ 180 C	192	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	10	8705
INORGANICS											
Alkalinity, Total as CaCO3	83	mg/L		1		A2320 B	05/06/10 19:01 / hm		MAN-TECH_100506A	34	R62131
Bicarbonate as HCO3	100	mg/L		1		A2320 B	05/06/10 19:01 / hm		MAN-TECH_100506A	34	R62131
Chloride	4	mg/L		1		E300.0	05/07/10 22:54 / hm		IC101-H_100507A	20	R62191
Sulfate	49	mg/L		1		E300.0	05/07/10 22:54 / hm		IC101-H_100507A	20	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Calcium	30	mg/L		1		E200.7	05/10/10 13:33 / sld		ICP1-HE_100510A	76	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Copper	0.028	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:27 / dck		ICPMS204-B_100513A	49	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-304
Lab ID: H10050078-005
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	14	mg/L		1		E200.7	05/10/10 19:14 / sld		ICP1-HE_100510B	27	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:14 / sld		ICP1-HE_100510B	27	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Bill Casey
City of East Helena
Public Work Director
P. O. Box 1170
East Helena, Montana 59635

Dear Mr. Casey:

Enclosed are the analytical results for the water samples that were collected from the City of East Helena No. 1 and No. 3 ground water wells on May 5, 2010. You indicated that the City of East Helena No. 2 groundwater well was not active. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the two wells is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
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Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-305 City of East Helena Well No. 1
Lab ID: H10050078-006
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 10:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 19:07 / hm		MAN-TECH_100506A	39	R62131
Conductivity	265	umhos/cm		1		A2510 B	05/06/10 19:07 / hm		MAN-TECH_100506A	38	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:24 / hm	05/06/10 14:18	-124 (14410200)_100506A	38	8701
Solids, Total Dissolved TDS @ 180 C	179	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	12	8705
INORGANICS											
Alkalinity, Total as CaCO3	75	mg/L		1		A2320 B	05/06/10 19:07 / hm		MAN-TECH_100506A	37	R62131
Bicarbonate as HCO3	91	mg/L		1		A2320 B	05/06/10 19:07 / hm		MAN-TECH_100506A	37	R62131
Chloride	5	mg/L		1		E300.0	05/07/10 23:10 / hm		IC101-H_100507A	21	R62191
Sulfate	48	mg/L		1		E300.0	05/07/10 23:10 / hm		IC101-H_100507A	21	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Calcium	29	mg/L		1		E200.7	05/10/10 13:36 / sld		ICP1-HE_100510A	77	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Copper	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:32 / dck		ICPMS204-B_100513A	50	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-305
Lab ID: H10050078-006
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 10:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	12	mg/L		1		E200.7	05/10/10 19:17 / sld		ICP1-HE_100510B	28	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:17 / sld		ICP1-HE_100510B	28	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Client Sample ID EHR-0510-306 City of East Helena Well No. 3
Collection Date: 05/05/10 10:35 **DateReceived:** 05/05/10
Lab ID: H10050078-007
Report Date: 05/18/10
Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 19:14 / hm		MAN-TECH_100506A	42	R62131
Conductivity	255	umhos/cm		1		A2510 B	05/06/10 19:14 / hm		MAN-TECH_100506A	41	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:24 / hm	05/06/10 14:18	-124 (14410200)_100506A	39	8701
Solids, Total Dissolved TDS @ 180 C	172	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	13	8705
INORGANICS											
Alkalinity, Total as CaCO3	75	mg/L		1		A2320 B	05/06/10 19:14 / hm		MAN-TECH_100506A	40	R62131
Bicarbonate as HCO3	91	mg/L		1		A2320 B	05/06/10 19:14 / hm		MAN-TECH_100506A	40	R62131
Chloride	4	mg/L		1		E300.0	05/07/10 23:26 / hm		IC101-H_100507A	22	R62191
Sulfate	45	mg/L		1		E300.0	05/07/10 23:26 / hm		IC101-H_100507A	22	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Calcium	28	mg/L		1		E200.7	05/10/10 14:40 / sld		ICP1-HE_100510A	80	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Copper	0.001	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Magnesium	6	mg/L		1		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:37 / dck		ICPMS204-B_100513A	51	R62306
Potassium	2	mg/L		1		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-306
Lab ID: H10050078-007
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 10:35 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/10/10 19:20 / sld		ICP1-HE_100510B	29	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:20 / sld		ICP1-HE_100510B	29	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Cacey Maser
P. O. Box 1783
9 Gail Street
East Helena, Montana 59635

Dear Mrs. Maser:

Enclosed are the analytical results for the water samples that were collected from the 9 Gail Street ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-307
Lab ID: H10050078-008
Matrix: Groundwater

Maser Residence
9 Gail Street

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.6	s.u.		0.1		A4500-H B	05/06/10 19:20 / hm		MAN-TECH_100506A	45	R62131
Conductivity	282	umhos/cm		1		A2510 B	05/06/10 19:20 / hm		MAN-TECH_100506A	44	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:24 / hm	05/06/10 14:18	-124 (14410200)_100506A	40	8701
Solids, Total Dissolved TDS @ 180 C	187	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	14	8705
INORGANICS											
Alkalinity, Total as CaCO3	81	mg/L		1		A2320 B	05/06/10 19:20 / hm		MAN-TECH_100506A	43	R62131
Bicarbonate as HCO3	98	mg/L		1		A2320 B	05/06/10 19:20 / hm		MAN-TECH_100506A	43	R62131
Chloride	5	mg/L		1		E300.0	05/07/10 23:43 / hm		IC101-H_100507A	23	R62191
Sulfate	51	mg/L		1		E300.0	05/07/10 23:43 / hm		IC101-H_100507A	23	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Calcium	31	mg/L		1		E200.7	05/10/10 14:43 / sld		ICP1-HE_100510A	81	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Copper	0.060	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:43 / dck		ICPMS204-B_100513A	52	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-307
Lab ID: H10050078-008
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/10/10 19:23 / sld		ICP1-HE_100510B	30	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:23 / sld		ICP1-HE_100510B	30	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Mrs. Louise Nordstrom
P. O. Box 601
109 Gail Street
East Helena, Montana 59635

Dear Mrs. Nordstrom:

Enclosed are the analytical results for the water samples that were collected from the 109 Gail Street ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-308 Nordstrom Residence
Lab ID: H10050078-009 109 Gail Street
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:35 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/06/10 19:45 / hm		MAN-TECH_100506A	54	R62131
Conductivity	283	umhos/cm		1		A2510 B	05/06/10 19:45 / hm		MAN-TECH_100506A	53	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:27 / hm	05/06/10 14:18	-124 (14410200)_100506A	41	8701
Solids, Total Dissolved TDS @ 180 C	192	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	15	8705
INORGANICS											
Alkalinity, Total as CaCO3	81	mg/L		1		A2320 B	05/06/10 19:45 / hm		MAN-TECH_100506A	52	R62131
Bicarbonate as HCO3	99	mg/L		1		A2320 B	05/06/10 19:45 / hm		MAN-TECH_100506A	52	R62131
Chloride	4	mg/L		1		E300.0	05/08/10 00:32 / hm		IC101-H_100507A	26	R62191
Sulfate	52	mg/L		1		E300.0	05/08/10 00:32 / hm		IC101-H_100507A	26	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Calcium	33	mg/L		1		E200.7	05/10/10 14:46 / sld		ICP1-HE_100510A	82	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Copper	0.002	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:48 / dck		ICPMS204-B_100513A	53	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-308
Lab ID: H10050078-009
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:35 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/10/10 19:26 / sld		ICP1-HE_100510B	31	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:26 / sld		ICP1-HE_100510B	31	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Jamie and Tina Marcum
P. O. Box 1114
East Helena, Montana 59635

Dear Mr. and Mrs. Marcum:

Enclosed are the analytical results for the water samples that were collected from the 303 Thurman Avenue ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-309 Marcum Residence
Lab ID: H10050078-010 303 Thurman Avenue
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 12:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.6	s.u.		0.1		A4500-H B	05/06/10 19:52 / hm		MAN-TECH_100506A	57	R62131
Conductivity	352	umhos/cm		1		A2510 B	05/06/10 19:52 / hm		MAN-TECH_100506A	56	R62131
Solids, Total Suspended TSS @ 105 C	13	mg/L		10		A2540 D	05/06/10 15:27 / hm	05/06/10 14:18	-124 (14410200)_100506A	42	8701
Solids, Total Dissolved TDS @ 180 C	230	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	16	8705
INORGANICS											
Alkalinity, Total as CaCO3	92	mg/L		1		A2320 B	05/06/10 19:52 / hm		MAN-TECH_100506A	55	R62131
Bicarbonate as HCO3	110	mg/L		1		A2320 B	05/06/10 19:52 / hm		MAN-TECH_100506A	55	R62131
Chloride	7	mg/L		1		E300.0	05/08/10 00:48 / hm		IC101-H_100507A	27	R62191
Sulfate	69	mg/L		1		E300.0	05/08/10 00:48 / hm		IC101-H_100507A	27	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Calcium	31	mg/L		1		E200.7	05/10/10 14:49 / sld		ICP1-HE_100510A	83	R62196
Chromium	0.001	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Copper	0.005	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:53 / dck		ICPMS204-B_100513A	54	R62306
Potassium	6	mg/L		1		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Selenium	0.004	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-309
Lab ID: H10050078-010
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 12:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	28	mg/L		1		E200.7	05/10/10 19:29 / sld		ICP1-HE_100510B	32	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:29 / sld		ICP1-HE_100510B	32	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Lee Wolfe
Wolfe Water Management, Inc.
3920 McHugh Lane
Helena, Montana 59602

Dear Mr. Wolfe:

Enclosed are the analytical results for the water samples that were collected from the Pele Mobile Home Park No. 1 and No. 2 groundwater wells on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-310 Pele Trailer Park Well No. 1
Lab ID: H10050078-011
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 13:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/06/10 20:15 / hm		MAN-TECH_100506A	64	R62131
Conductivity	256	umhos/cm		1		A2510 B	05/06/10 20:15 / hm		MAN-TECH_100506A	63	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 16:34 / hm	05/06/10 14:18	-124 (14410200)_100506A	44	8701
Solids, Total Dissolved TDS @ 180 C	175	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	17	8705
INORGANICS											
Alkalinity, Total as CaCO3	77	mg/L		1		A2320 B	05/06/10 20:15 / hm		MAN-TECH_100506A	62	R62131
Bicarbonate as HCO3	93	mg/L		1		A2320 B	05/06/10 20:15 / hm		MAN-TECH_100506A	62	R62131
Chloride	3	mg/L		1		E300.0	05/08/10 01:05 / hm		IC101-H_100507A	28	R62191
Sulfate	45	mg/L		1		E300.0	05/08/10 01:05 / hm		IC101-H_100507A	28	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Calcium	29	mg/L		1		E200.7	05/10/10 14:52 / sld		ICP1-HE_100510A	84	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Copper	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Magnesium	6	mg/L		1		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:58 / dck		ICPMS204-B_100513A	55	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-310
Lab ID: H10050078-011
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 13:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	12	mg/L		1		E200.7	05/10/10 19:32 / sld		ICP1-HE_100510B	33	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:32 / sld		ICP1-HE_100510B	33	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-311 Pele Trailer Park Well No. 2
Lab ID: H10050078-012
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/06/10 20:21 / hm		MAN-TECH_100506A	67	R62131
Conductivity	238	umhos/cm		1		A2510 B	05/06/10 20:21 / hm		MAN-TECH_100506A	66	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:28 / hm	05/06/10 14:18	-124 (14410200)_100506A	45	8701
Solids, Total Dissolved TDS @ 180 C	158	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	18	8705
INORGANICS											
Alkalinity, Total as CaCO3	73	mg/L		1		A2320 B	05/06/10 20:21 / hm		MAN-TECH_100506A	65	R62131
Bicarbonate as HCO3	89	mg/L		1		A2320 B	05/06/10 20:21 / hm		MAN-TECH_100506A	65	R62131
Chloride	4	mg/L		1		E300.0	05/08/10 01:21 / hm		IC101-H_100507A	29	R62191
Sulfate	39	mg/L		1		E300.0	05/08/10 01:21 / hm		IC101-H_100507A	29	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Calcium	28	mg/L		1		E200.7	05/10/10 14:55 / sld		ICP1-HE_100510A	85	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Copper	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Iron	0.03	mg/L		0.02		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Magnesium	6	mg/L		1		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 18:42 / dck		ICPMS204-B_100513A	63	R62306
Potassium	2	mg/L		1		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-311
Lab ID: H10050078-012
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	11	mg/L		1		E200.7	05/10/10 19:35 / sld		ICP1-HE_100510B	34	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:35 / sld		ICP1-HE_100510B	34	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

May 23, 2010

Wayne Helfert
P. O. Box 858
407 Porter Street
East Helena, Montana 59635

Dear Mr. Helfert:

Enclosed are the analytical results for the water samples (both original and duplicate) that were collected from the 407 Porter Street ground water well on May 5, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-312 Helfert Residence (Original Sample)
Lab ID: H10050078-013 407 Porter
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.9	s.u.		0.1		A4500-H B	05/06/10 20:34 / hm		MAN-TECH_100506A	73	R62131
Conductivity	638	umhos/cm		1		A2510 B	05/06/10 20:34 / hm		MAN-TECH_100506A	72	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:28 / hm	05/06/10 14:18	-124 (14410200)_100506A	46	8701
Solids, Total Dissolved TDS @ 180 C	436	mg/L		10		A2540 C	05/06/10 15:04 / hm	05/06/10 14:22	-124 (14410200)_100506B	20	8705
INORGANICS											
Alkalinity, Total as CaCO3	130	mg/L		1		A2320 B	05/06/10 20:34 / hm		MAN-TECH_100506A	71	R62131
Bicarbonate as HCO3	160	mg/L		1		A2320 B	05/06/10 20:34 / hm		MAN-TECH_100506A	71	R62131
Chloride	12	mg/L		1		E300.0	05/08/10 01:38 / hm		IC101-H_100507A	30	R62191
Sulfate	180	mg/L		1		E300.0	05/08/10 01:38 / hm		IC101-H_100507A	30	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Calcium	84	mg/L		1		E200.7	05/10/10 15:05 / sld		ICP1-HE_100510A	88	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Copper	0.011	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Magnesium	19	mg/L		1		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 18:47 / dck		ICPMS204-B_100513A	64	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Selenium	0.006	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-312
Lab ID: H10050078-013
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	22	mg/L		1		E200.7	05/10/10 19:38 / sld		ICP1-HE_100510B	35	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:38 / sld		ICP1-HE_100510B	35	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Client Sample ID EHR-0510-313 Helfert Residence (Duplicate)
Collection Date: 05/05/10 15:10 **DateReceived:** 05/05/10
Lab ID: H10050078-014 407 Porter
Report Date: 05/18/10
Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.9	s.u.		0.1		A4500-H B	05/06/10 20:41 / hm		MAN-TECH_100506A	76	R62131
Conductivity	636	umhos/cm		1		A2510 B	05/06/10 20:41 / hm		MAN-TECH_100506A	75	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:29 / hm	05/06/10 14:25	-124 (14410200)_100506A	47	8701
Solids, Total Dissolved TDS @ 180 C	430	mg/L		10		A2540 C	05/06/10 15:04 / hm	05/06/10 14:22	-124 (14410200)_100506B	21	8705
INORGANICS											
Alkalinity, Total as CaCO3	130	mg/L		1		A2320 B	05/06/10 20:41 / hm		MAN-TECH_100506A	74	R62131
Bicarbonate as HCO3	160	mg/L		1		A2320 B	05/06/10 20:41 / hm		MAN-TECH_100506A	74	R62131
Chloride	12	mg/L		1		E300.0	05/08/10 01:54 / hm		IC101-H_100507A	31	R62191
Sulfate	180	mg/L		1		E300.0	05/08/10 01:54 / hm		IC101-H_100507A	31	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Calcium	80	mg/L		1		E200.7	05/10/10 15:08 / sld		ICP1-HE_100510A	89	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Copper	0.011	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Magnesium	18	mg/L		1		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 18:52 / dck		ICPMS204-B_100513A	65	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Selenium	0.006	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-313
Lab ID: H10050078-014
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 15:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	23	mg/L		1		E200.7	05/10/10 19:41 / sld		ICP1-HE_100510B	36	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:41 / sld		ICP1-HE_100510B	36	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 3, 2010

Mrs. St. Germaine
P. O. Box 896
126 E. Clinton Street
East Helena, Montana 59635

Dear Mrs. St. Germaine:

Enclosed are the analytical results for the groundwater samples that were collected from your drinking water and irrigation wells on May 20, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-319 St. Germaine Drinking Water
Lab ID: H10050269-006 126 E. Clinton
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/21/10 13:05 / WB		MAN-TECH_100521B	28	R62490
Conductivity	372	umhos/cm		1		A2510 B	05/21/10 13:05 / WB		MAN-TECH_100521B	27	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:45 / WB	05/25/10 11:05	-124 (14410200)_100525A	11	8842
Solids, Total Dissolved TDS @ 180 C	246	mg/L		10		A2540 C	05/25/10 13:03 / WB	05/25/10 10:59	J-124 (14410200)_100525B	9	8841
INORGANICS											
Alkalinity, Total as CaCO3	86	mg/L		1		A2320 B	05/24/10 17:46 / WB		MAN-TECH_100524A	31	R62540
Bicarbonate as HCO3	110	mg/L		1		A2320 B	05/24/10 17:46 / WB		MAN-TECH_100524A	31	R62540
Chloride	7	mg/L		1		E300.0	05/21/10 19:31 / WB		IC101-H_100521A	14	R62486
Sulfate	78	mg/L		1		E300.0	05/21/10 19:31 / WB		IC101-H_100521A	14	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Calcium	34	mg/L		1		E200.7	05/28/10 10:21 / sld		ICP1-HE_100528A	23	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Copper	0.015	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Magnesium	6	mg/L		1		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:48 / dck		ICPMS204-B_100525A	55	R62579
Potassium	14	mg/L		1		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Selenium	0.007	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-319
Lab ID: H10050269-006
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	23	mg/L		1		E200.7	05/21/10 10:31 / sld		ICP1-HE_100521A	23	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:21 / sld		ICP1-HE_100528A	23	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:09 / dck		ICPMS204-B_100521B	57	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:07 / dck		ICPMS204-B_100524B	31	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-320 St. Germaine Irrigation Water
Lab ID: H10050269-007 126 E. Clinton
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/21/10 13:11 / WB		MAN-TECH_100521B	31	R62490
Conductivity	415	umhos/cm		1		A2510 B	05/21/10 13:11 / WB		MAN-TECH_100521B	30	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:47 / WB	05/25/10 11:05	-124 (14410200)_100525A	12	8842
Solids, Total Dissolved TDS @ 180 C	276	mg/L		10		A2540 C	05/25/10 13:04 / WB	05/25/10 10:59	-124 (14410200)_100525B	11	8841
INORGANICS											
Alkalinity, Total as CaCO3	96	mg/L		1		A2320 B	05/24/10 17:52 / WB		MAN-TECH_100524A	33	R62540
Bicarbonate as HCO3	120	mg/L		1		A2320 B	05/24/10 17:52 / WB		MAN-TECH_100524A	33	R62540
Chloride	7	mg/L		1		E300.0	05/21/10 19:47 / WB		IC101-H_100521A	15	R62486
Sulfate	95	mg/L		1		E300.0	05/21/10 19:47 / WB		IC101-H_100521A	15	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Calcium	37	mg/L		1		E200.7	05/28/10 10:30 / sld		ICP1-HE_100528A	26	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Copper	0.004	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Iron	0.02	mg/L		0.02		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Magnesium	9	mg/L		1		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:53 / dck		ICPMS204-B_100525A	56	R62579
Potassium	4	mg/L		1		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Selenium	0.009	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-320
Lab ID: H10050269-007
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 13:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	29	mg/L		1		E200.7	05/21/10 10:40 / sld		ICP1-HE_100521A	26	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:30 / sld		ICP1-HE_100528A	26	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:14 / dck		ICPMS204-B_100521B	58	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:12 / dck		ICPMS204-B_100524B	32	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 3, 2010

Jim Wiseman
802 Manlove
P. O. Box 1000
East Helena, Montana 59635

Dear Mr. Wiseman:

Enclosed are the analytical results for the water samples that were collected from your ground water well (802 Manlove) on May 20, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

The samples collected at the groundwater well show that the well's water quality meets all Montana Human Health Standards for the constituents sampled with the exception of total dissolved arsenic, which was slightly higher that the drinking water standard, as shown on the attached water quality criteria table. The Montana Human Health Standard and the Federal Maximum Contaminant Level (MCL) for arsenic is 0.010 mg/l (10 parts per billion). The arsenic tested at the outside spigot near the groundwater well was 0.017 mg/l (17 parts per billion). The sample results are consistent with the previous samples results from your groundwater well.

To help you better understand the potential health effects of arsenic in drinking water, I have enclosed two fact sheets published by the United State Environmental Protection Agency for residents living in the Seaver Park area. For more information about arsenic in drinking water, see www.epa.gov/safewater/arsenic. If you any questions, you can reach me at (406) 227-4529.

Sincerely,

Jon Nickel

Enclosure
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-318
Lab ID: H10050269-005
Matrix: Aqueous

Wiseman Residence
802 Manlove

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 09:40 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.1	s.u.		0.1		A4500-H B	05/21/10 12:58 / WB		MAN-TECH_100521B	25	R62490
Conductivity	470	umhos/cm		1		A2510 B	05/21/10 12:58 / WB		MAN-TECH_100521B	24	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:44 / WB	05/25/10 11:05	J-124 (14410200)_100525A	9	8842
Solids, Total Dissolved TDS @ 180 C	341	mg/L		10		A2540 C	05/25/10 13:02 / WB	05/25/10 10:59	J-124 (14410200)_100525B	7	8841
INORGANICS											
Alkalinity, Total as CaCO3	140	mg/L		1		A2320 B	05/24/10 17:39 / WB		MAN-TECH_100524A	29	R62540
Bicarbonate as HCO3	170	mg/L		1		A2320 B	05/24/10 17:39 / WB		MAN-TECH_100524A	29	R62540
Chloride	14	mg/L		1		E300.0	05/21/10 19:14 / WB		IC101-H_100521A	13	R62486
Sulfate	71	mg/L		1		E300.0	05/21/10 19:14 / WB		IC101-H_100521A	13	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Arsenic	0.017	mg/L		0.002		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Calcium	45	mg/L		1		E200.7	05/28/10 10:11 / sld		ICP1-HE_100528A	20	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Magnesium	11	mg/L		1		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:22 / dck		ICPMS204-B_100525A	50	R62579
Potassium	11	mg/L		1		E200.7	05/21/10 10:21 / sld		ICP1-HE_100521A	20	R62498
Selenium	0.002	mg/L		0.001		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:04 / dck		ICPMS204-B_100521B	56	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

September 1, 2009

Well Sampling in Seaver Park

The United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (DEQ) are working with Asarco to conduct additional sampling of private wells in the Seaver Park neighborhood. Asarco recently collected groundwater samples from your well. The samples were analyzed for metals including: arsenic, cadmium, copper, iron, manganese, lead, selenium, and zinc.

Arsenic is the only metal that was found at levels exceeding Montana Drinking Water Standards and federal Maximum Contaminant Levels (MCLs) applicable to public drinking water supplies. The levels of arsenic found in Seaver Park-including at your residence-do not cause great alarm to public health experts. Some wells contain water measuring more than 0.010 milligrams per Liter (mg/L) or 10 parts per billion (ppb) arsenic which is above the state and federal standards. EPA no longer recommends using wells measuring arsenic above 10 ppb as a source of drinking water.

The potential health effects resulting from **long-term** exposure to inorganic arsenic include cancers of the skin, kidney, bladder and lung, as well as non-cancer effects including skin lesions, gastrointestinal disturbances, diabetes, cardiac arrhythmias, and loss of peripheral nerve function. Daily exposures come from multiple sources including food and dust ingestion as well as drinking water. Cancer risk is assumed to be a function of the concentration of arsenic in drinking water and the total years of exposure. It is important to note that the cancer risk is not zero, even at the standard of 10 ppb. You may also see: www.epa.gov/safewater/arsenic

Several alternatives are available to address arsenic in drinking water. You may install one of several home treatment units certified to effectively remove arsenic. Systems may include:

- activated alumina;
- ion exchange; or
- reverse osmosis

Information on certified systems can be obtained from www.nsf.org

Drinking bottled water tested and shown to be free of arsenic can be used as a temporary measure. Boiling will <u>not</u> remove arsenic from drinking water and may even increase the concentration of arsenic in your water. Bathing, showering, and laundering of clothes in water containing low levels of arsenic, however, will not significantly contribute to exposures.

Asarco will conduct additional testing of private wells in the near future. Additional soil and groundwater sampling in and around the Seaver Park area will help determine the source and the extent of arsenic contamination. These actions are at no cost to you. USEPA and DEQ will share sampling results with local officials and the public.

Please call any of the USEPA or DEQ contacts listed below with questions and concerns.

CONTACTS

Linda Jacobson
RCRA Project Manager
1-800-227-8917 x 6503 (toll free)

Scott Brown
Superfund Project Manager
406-457-5035

Denise Kirkpatrick
Montana RCRA Project Officer
406-444-3983

Steve Wharton
Risk Assessor
1-800-227-8917 x 6935 (toll free)

Wendy Thomi
Community Involvement Coordinator
406-457-5037

August 10, 2009

Supplemental Information for Pet Owners in Seaver Park

The United States Environmental Protection Agency (USEPA)) and the Montana Department of Environmental Quality (DEQ) are working with Asarco to conduct additional sampling of private drinking water wells in the Seaver Park neighborhood. Preliminary sampling of a limited number of wells indicated the presence of elevated arsenic levels above the federal Maximum Contaminant Level for public drinking water systems. Some pet owners in the neighborhood have asked about the safety of their pets relative to the quality of the individual water supply wells. This fact sheet gives a brief overview of this issue.

Domestic animals including dogs and cats typically manifest effects from arsenic exposure in an acute rather than a chronic fashion experiencing the full range of symptoms within a few days. These episodes are most commonly related to contamination of the animal's food supply by soil, vegetation, or discarded materials (herbicides/ insecticides) that contain or are contaminated with high levels of arsenic. The threshold effect levels for dogs and cats is based on the form of arsenic present (in this case most likely sodium arsenate) and is in the range of 3-6 milligrams per pound for dogs and 1-2 milligrams per pound for cats. The arsenic levels currently documented in the Seaver Park wells are in the range of 0.010—0.020 milligrams per liter of water. It is easy to see that the animals, even very small animals weighing only a few pounds, would have to consume many, many liters of water within just a few days to reach levels capable of causing an effect. Animals that are weak, debilitated or dehydrated are more susceptible to arsenic than healthy animals, particularly those with poor kidney function. Because the exposure from soil and other dietary sources is not known for each individual animal, owners could provide treated or bottled water to their pets as a precaution to reduce their overall exposure, but EPA and DEQ do not believe this necessary to ensure the health of these animals.

Regarding tropical and freshwater fish, the threshold effect levels vary widely, but are in the range of 18—75 milligrams per liter, which is approximately one thousand times greater than the levels currently documented in the Seaver Park wells. Again, EPA and DEQ believe that no additional precautions are necessary for these fish.

Additional soils and groundwater sampling will help determine the source and the extent of contamination. EPA and DEQ will share information with local officials and the public. In the mean time, please call any of the contacts listed below with questions and concerns.

CONTACTS

Linda Jacobson
RCRA Project Manager
1-800-227-8917 x 6503 (toll free)

Scott Brown
Superfund Project Manager
406-457-5035

Denise Kirkpatrick
Montana RCRA Project Manager
406-444-3983

Steve Wharton
Risk Assessor
1-800-227-8917 x 6935 (toll free)

Wendy Thomi
Community Involvement Coordinator
406-457-5037

Printed on Recycled Paper

June 3, 2010

Neil Blossom
American Chemet
P. O. Box 1160
1 Smelter Road
East Helena, Montana 59635

Dear Mr. Blossom:

Enclosed are the analytical results for the water samples that were collected from the American Chemet Well No. 4 on May 20, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-317 American Chemet Well No. 4
Lab ID: H10050269-004
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 09:10 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.9	s.u.		0.1		A4500-H B	05/21/10 12:45 / WB		MAN-TECH_100521B	19	R62490
Conductivity	328	umhos/cm		1		A2510 B	05/21/10 12:45 / WB		MAN-TECH_100521B	18	R62490
Solids, Total Suspended TSS @ 105 C	12	mg/L		10		A2540 D	05/25/10 12:44 / WB	05/25/10 11:05	J-124 (14410200)_100525A	8	8842
Solids, Total Dissolved TDS @ 180 C	260	mg/L		10		A2540 C	05/25/10 13:01 / WB	05/25/10 10:59	J-124 (14410200)_100525B	6	8841
INORGANICS											
Alkalinity, Total as CaCO3	110	mg/L		1		A2320 B	05/24/10 17:32 / WB		MAN-TECH_100524A	27	R62540
Bicarbonate as HCO3	140	mg/L		1		A2320 B	05/24/10 17:32 / WB		MAN-TECH_100524A	27	R62540
Chloride	5	mg/L		1		E300.0	05/21/10 18:58 / WB		IC101-H_100521A	12	R62486
Sulfate	44	mg/L		1		E300.0	05/21/10 18:58 / WB		IC101-H_100521A	12	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Arsenic	0.002	mg/L		0.002		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Calcium	38	mg/L		1		E200.7	05/28/10 10:08 / sld		ICP1-HE_100528A	19	R62723
Chromium	0.001	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Magnesium	8	mg/L		1		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:17 / dck		ICPMS204-B_100525A	49	R62579
Potassium	4	mg/L		1		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Selenium	0.002	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-317
Lab ID: H10050269-004
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 09:10 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	16	mg/L		1		E200.7	05/21/10 10:18 / sld		ICP1-HE_100521A	19	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:08 / sld		ICP1-HE_100528A	19	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:59 / dck		ICPMS204-B_100521B	55	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 01:57 / dck		ICPMS204-B_100524B	29	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 3, 2010

John Simac
2540 Wylie Drive
P. O. Box 59
East Helena, Montana 59635

Dear Mr. Simac:

Enclosed are the analytical results for the water samples that were collected from your groundwater irrigation and drinking water wells on May 20, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-315
Lab ID: H10050269-002
Matrix: Aqueous

Simac Residence Drinking Water
2540 Wylie Drive

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 08:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/21/10 12:18 / WB		MAN-TECH_100521B	11	R62490
Conductivity	470	umhos/cm		1		A2510 B	05/21/10 12:18 / WB		MAN-TECH_100521B	10	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:43 / WB	05/25/10 11:05	J-124 (14410200)_100525A	6	8842
Solids, Total Dissolved TDS @ 180 C	340	mg/L		10		A2540 C	05/25/10 13:00 / WB	05/25/10 10:59	J-124 (14410200)_100525B	4	8841
INORGANICS											
Alkalinity, Total as CaCO3	120	mg/L		1		A2320 B	05/24/10 17:18 / WB		MAN-TECH_100524A	23	R62540
Bicarbonate as HCO3	140	mg/L		1		A2320 B	05/24/10 17:18 / WB		MAN-TECH_100524A	23	R62540
Chloride	6	mg/L		1		E300.0	05/21/10 18:25 / WB		IC101-H_100521A	10	R62486
Sulfate	110	mg/L		1		E300.0	05/21/10 18:25 / WB		IC101-H_100521A	10	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Calcium	58	mg/L		1		E200.7	05/28/10 10:02 / sld		ICP1-HE_100528A	17	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Copper	0.002	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Magnesium	12	mg/L		1		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:06 / dck		ICPMS204-B_100525A	47	R62579
Potassium	5	mg/L		1		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Selenium	0.003	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-315
Lab ID: H10050269-002
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 08:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	18	mg/L		1		E200.7	05/21/10 10:12 / sld		ICP1-HE_100521A	17	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:02 / sld		ICP1-HE_100528A	17	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:28 / dck		ICPMS204-B_100521B	49	R62513
Zinc	0.03	mg/L		0.01		E200.8	05/25/10 01:26 / dck		ICPMS204-B_100524B	23	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-316
Lab ID: H10050269-003
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 08:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	21	mg/L		1		E200.7	05/21/10 10:15 / sld		ICP1-HE_100521A	18	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:05 / sld		ICP1-HE_100528A	18	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:33 / dck		ICPMS204-B_100521B	50	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 01:31 / dck		ICPMS204-B_100524B	24	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 3, 2010

Pat Foley
203 Gail Street
P. O. Box 2254
East Helena, Montana 59635

Dear Mr. Foley:

Enclosed are the analytical results for the water samples that were collected from the 203 Gail Street ground water well on May 20, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-314 Foley Residence
Lab ID: H10050269-001 203 Gail Street
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 07:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/21/10 12:11 / WB		MAN-TECH_100521B	8	R62490
Conductivity	276	umhos/cm		1		A2510 B	05/21/10 12:11 / WB		MAN-TECH_100521B	7	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:43 / WB	05/25/10 11:05	J-124 (14410200)_100525A	5	8842
Solids, Total Dissolved TDS @ 180 C	185	mg/L		10		A2540 C	05/25/10 12:59 / WB	05/25/10 10:59	J-124 (14410200)_100525B	3	8841
INORGANICS											
Alkalinity, Total as CaCO3	79	mg/L		1		A2320 B	05/24/10 16:55 / WB		MAN-TECH_100524A	19	R62540
Bicarbonate as HCO3	97	mg/L		1		A2320 B	05/24/10 16:55 / WB		MAN-TECH_100524A	19	R62540
Chloride	4	mg/L		1		E300.0	05/21/10 18:09 / WB		IC101-H_100521A	9	R62486
Sulfate	49	mg/L		1		E300.0	05/21/10 18:09 / WB		IC101-H_100521A	9	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Calcium	30	mg/L		1		E200.7	05/28/10 09:59 / sld		ICP1-HE_100528A	16	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Copper	0.018	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Iron	ND	mg/L		0.02		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Magnesium	7	mg/L		1		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 17:46 / dck		ICPMS204-B_100525A	43	R62579
Potassium	2	mg/L		1		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Selenium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-314
Lab ID: H10050269-001
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 07:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/21/10 10:09 / sld		ICP1-HE_100521A	16	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 09:59 / sld		ICP1-HE_100528A	16	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 03:07 / dck		ICPMS204-B_100521B	45	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 01:05 / dck		ICPMS204-B_100524B	19	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 3, 2010

Mr. and Mrs. Gene Gage
210 East Groschell Street
P. O. Box 731
East Helena, Montana 59635

Dear Mr. and Mrs. Gage:

Enclosed are the analytical results for the water samples (both original and duplicate) that were collected from your 210 E.Groschell groundwater well on May 20, 2010. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical report. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Client Sample ID EHR-0510-321 Gage Irrigation Water (Original Sample)
Collection Date: 05/20/10 11:30 **DateReceived:** 05/20/10
Lab ID: H10050269-008 210 E. Groschell
Report Date: 06/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/21/10 13:17 / WB		MAN-TECH_100521B	34	R62490
Conductivity	383	umhos/cm		1		A2510 B	05/21/10 13:17 / WB		MAN-TECH_100521B	33	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:47 / WB	05/25/10 11:05	-124 (14410200)_100525A	13	8842
Solids, Total Dissolved TDS @ 180 C	254	mg/L		10		A2540 C	05/25/10 13:05 / WB	05/25/10 10:59	-124 (14410200)_100525B	12	8841
INORGANICS											
Alkalinity, Total as CaCO3	96	mg/L		1		A2320 B	05/24/10 17:59 / WB		MAN-TECH_100524A	35	R62540
Bicarbonate as HCO3	120	mg/L		1		A2320 B	05/24/10 17:59 / WB		MAN-TECH_100524A	35	R62540
Chloride	6	mg/L		1		E300.0	05/21/10 20:04 / WB		IC101-H_100521A	16	R62486
Sulfate	81	mg/L		1		E300.0	05/21/10 20:04 / WB		IC101-H_100521A	16	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Calcium	39	mg/L		1		E200.7	05/28/10 10:33 / sld		ICP1-HE_100528A	27	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Iron	0.11	mg/L		0.02		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Magnesium	8	mg/L		1		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 18:58 / dck		ICPMS204-B_100525A	57	R62579
Potassium	3	mg/L		1		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Selenium	0.006	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-321
Lab ID: H10050269-008
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 11:30 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	28	mg/L		1		E200.7	05/21/10 10:43 / sld		ICP1-HE_100521A	27	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:33 / sld		ICP1-HE_100528A	27	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:19 / dck		ICPMS204-B_100521B	59	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:17 / dck		ICPMS204-B_100524B	33	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Client Sample ID EHR-0510-322 Gage Irrigation Water (Duplicate Sample)
Collection Date: 05/20/10 12:00 **DateReceived:** 05/20/10
Lab ID: H10050269-009 210 E. Groschell
Report Date: 06/01/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/21/10 13:25 / WB		MAN-TECH_100521B	37	R62490
Conductivity	386	umhos/cm		1		A2510 B	05/21/10 13:25 / WB		MAN-TECH_100521B	36	R62490
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/25/10 12:48 / WB	05/25/10 11:05	-124 (14410200)_100525A	14	8842
Solids, Total Dissolved TDS @ 180 C	259	mg/L		10		A2540 C	05/25/10 13:05 / WB	05/25/10 10:59	-124 (14410200)_100525B	13	8841
INORGANICS											
Alkalinity, Total as CaCO3	96	mg/L		1		A2320 B	05/24/10 18:06 / WB		MAN-TECH_100524A	37	R62540
Bicarbonate as HCO3	120	mg/L		1		A2320 B	05/24/10 18:06 / WB		MAN-TECH_100524A	37	R62540
Chloride	6	mg/L		1		E300.0	05/21/10 20:20 / WB		IC101-H_100521A	17	R62486
Sulfate	83	mg/L		1		E300.0	05/21/10 20:20 / WB		IC101-H_100521A	17	R62486
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Antimony	ND	mg/L		0.003		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Arsenic	ND	mg/L		0.002		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Barium	ND	mg/L		0.1		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Beryllium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Cadmium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Calcium	39	mg/L		1		E200.7	05/28/10 10:36 / sld		ICP1-HE_100528A	28	R62723
Chromium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Cobalt	ND	mg/L		0.01		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Copper	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Gold	ND	mg/L		0.01		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Iron	0.10	mg/L		0.02		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Lead	ND	mg/L		0.005		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Magnesium	8	mg/L		1		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Manganese	ND	mg/L		0.01		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Mercury	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Nickel	ND	mg/L		0.01		E200.8	05/25/10 19:03 / dck		ICPMS204-B_100525A	58	R62579
Potassium	3	mg/L		1		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Selenium	0.006	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Silver	ND	mg/L		0.005		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-322
Lab ID: H10050269-009
Matrix: Aqueous

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/20/10 12:00 **DateReceived:** 05/20/10
Report Date: 06/01/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	28	mg/L		1		E200.7	05/21/10 10:46 / sld		ICP1-HE_100521A	28	R62498
Tellurium	ND	mg/L		0.1		E200.7	05/28/10 10:36 / sld		ICP1-HE_100528A	28	R62723
Thallium	ND	mg/L		0.001		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Vanadium	ND	mg/L		0.01		E200.8	05/22/10 04:25 / dck		ICPMS204-B_100521B	60	R62513
Zinc	ND	mg/L		0.01		E200.8	05/25/10 02:23 / dck		ICPMS204-B_100524B	34	R62560

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 10, 2010

John and Catheline Bobinski
2705 Winslow Avenue
Helena, Montana 59601

Dear Mr. and Mrs. Bobinski:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your residence located at 2705 Winslow Avenue.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-501
Lab ID: H10050378-002
Matrix: Groundwater

Bobinski Residence
2705 Winslow Avenue

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 06:40 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.2	s.u.		0.1		A4500-H B	06/01/10 17:53 / WB		MAN-TECH_100601A	84	R62773
Conductivity	697	umhos/cm		1		A2510 B	06/01/10 17:53 / WB		MAN-TECH_100601A	83	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:33 / WB	06/02/10 09:58	J-124 (14410200)_100602B	4	8908
Solids, Total Dissolved TDS @ 180 C	454	mg/L		10		A2540 C	06/02/10 10:46 / WB	06/01/10 14:18	-124 (14410200)_100602A	11	8900
INORGANICS											
Alkalinity, Total as CaCO3	240	mg/L		1		A2320 B	06/01/10 17:53 / WB		MAN-TECH_100601A	82	R62773
Bicarbonate as HCO3	290	mg/L		1		A2320 B	06/01/10 17:53 / WB		MAN-TECH_100601A	82	R62773
Chloride	25	mg/L		1		E300.0	06/03/10 21:00 / WB		IC101-H_100603A	39	R62865
Sulfate	92	mg/L		1		E300.0	06/03/10 21:00 / WB		IC101-H_100603A	39	R62865
METALS, DISSOLVED											
Arsenic	0.010	mg/L		0.002		E200.8	06/02/10 01:44 / dck		ICPMS204-B_100601A	119	R62764
Calcium	49	mg/L		1		E200.7	06/02/10 13:28 / sld		ICP1-HE_100602B	40	R62832
Magnesium	38	mg/L		1		E200.7	06/02/10 13:28 / sld		ICP1-HE_100602B	40	R62832
Potassium	8	mg/L		1		E200.7	06/02/10 13:28 / sld		ICP1-HE_100602B	40	R62832
Selenium	0.003	mg/L		0.001		E200.8	06/02/10 01:44 / dck		ICPMS204-B_100601A	119	R62764
Sodium	33	mg/L		1		E200.7	06/02/10 13:28 / sld		ICP1-HE_100602B	40	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 10, 2010

Jeff Hanson
2700 Winslow Avenue
Helena, Montana 59601

Dear Mr. Hanson:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your residence located at 2700 Winslow Avenue.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-500
Lab ID: H10050378-001
Matrix: Groundwater

Hanson Residence
2700 Winslow Avenue

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 06:10 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.2	s.u.		0.1		A4500-H B	06/01/10 17:29 / WB		MAN-TECH_100601A	79	R62773
Conductivity	993	umhos/cm		1		A2510 B	06/01/10 17:29 / WB		MAN-TECH_100601A	78	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:33 / WB	06/02/10 09:58	J-124 (14410200)_100602B	3	8908
Solids, Total Dissolved TDS @ 180 C	670	mg/L		10		A2540 C	06/02/10 10:46 / WB	06/01/10 14:18	-124 (14410200)_100602A	10	8900
INORGANICS											
Alkalinity, Total as CaCO3	240	mg/L		1		A2320 B	06/01/10 17:29 / WB		MAN-TECH_100601A	77	R62773
Bicarbonate as HCO3	300	mg/L		1		A2320 B	06/01/10 17:29 / WB		MAN-TECH_100601A	77	R62773
Chloride	45	mg/L		1		E300.0	06/03/10 20:44 / WB		IC101-H_100603A	38	R62865
Sulfate	200	mg/L		1		E300.0	06/03/10 20:44 / WB		IC101-H_100603A	38	R62865
METALS, DISSOLVED											
Arsenic	0.009	mg/L		0.002		E200.8	06/02/10 01:37 / dck		ICPMS204-B_100601A	118	R62764
Calcium	72	mg/L		1		E200.7	06/02/10 13:25 / sld		ICP1-HE_100602B	39	R62832
Magnesium	47	mg/L		1		E200.7	06/02/10 13:25 / sld		ICP1-HE_100602B	39	R62832
Potassium	14	mg/L		1		E200.7	06/02/10 13:25 / sld		ICP1-HE_100602B	39	R62832
Selenium	0.003	mg/L		0.001		E200.8	06/02/10 01:37 / dck		ICPMS204-B_100601A	118	R62764
Sodium	62	mg/L		1		E200.7	06/02/10 13:25 / sld		ICP1-HE_100602B	39	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 10, 2010

Joanne Kessler
3485 Beck Street
Helena, Montana 59601

Dear Mrs. Kessler:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your residence located at 3485 Beck Street.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-503 Kessler Residence
Lab ID: H10050378-004 3485 Beck Street
Matrix: Groundwater

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 07:40 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.2	s.u.		0.1		A4500-H B	06/01/10 18:38 / WB		MAN-TECH_100601A	99	R62773
Conductivity	870	umhos/cm		1		A2510 B	06/01/10 18:38 / WB		MAN-TECH_100601A	98	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:35 / WB	06/02/10 09:58	J-124 (14410200)_100602B	7	8908
Solids, Total Dissolved TDS @ 180 C	603	mg/L		10		A2540 C	06/02/10 10:47 / WB	06/01/10 14:18	-124 (14410200)_100602A	15	8900
INORGANICS											
Alkalinity, Total as CaCO3	200	mg/L		1		A2320 B	06/01/10 18:38 / WB		MAN-TECH_100601A	97	R62773
Bicarbonate as HCO3	250	mg/L		1		A2320 B	06/01/10 18:38 / WB		MAN-TECH_100601A	97	R62773
Chloride	47	mg/L		1		E300.0	06/03/10 21:33 / WB		IC101-H_100603A	41	R62865
Sulfate	160	mg/L		1		E300.0	06/03/10 21:33 / WB		IC101-H_100603A	41	R62865
METALS, DISSOLVED											
Arsenic	0.010	mg/L		0.002		E200.8	06/02/10 01:57 / dck		ICPMS204-B_100601A	121	R62764
Calcium	74	mg/L		1		E200.7	06/02/10 13:40 / sld		ICP1-HE_100602B	44	R62832
Magnesium	35	mg/L		1		E200.7	06/02/10 13:40 / sld		ICP1-HE_100602B	44	R62832
Potassium	13	mg/L		1		E200.7	06/02/10 13:40 / sld		ICP1-HE_100602B	44	R62832
Selenium	0.003	mg/L		0.001		E200.8	06/02/10 01:57 / dck		ICPMS204-B_100601A	121	R62764
Sodium	39	mg/L		1		E200.7	06/02/10 13:40 / sld		ICP1-HE_100602B	44	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 10, 2010

Keith Capps
2765 ½ Winslow Avenue
Helena, Montana 59601

Dear Mr. Capps:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your residence located at 2765 ½ Winslow Avenue.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-502 K. Capps Residence
Lab ID: H10050378-003 2765 1/2 Winslow Avenue
Matrix: Groundwater

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 07:10 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.2	s.u.		0.1		A4500-H B	06/01/10 18:31 / WB		MAN-TECH_100601A	96	R62773
Conductivity	797	umhos/cm		1		A2510 B	06/01/10 18:31 / WB		MAN-TECH_100601A	95	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:34 / WB	06/02/10 09:58	J-124 (14410200)_100602B	5	8908
Solids, Total Dissolved TDS @ 180 C	555	mg/L		10		A2540 C	06/02/10 10:47 / WB	06/01/10 14:18	-124 (14410200)_100602A	13	8900
INORGANICS											
Alkalinity, Total as CaCO3	180	mg/L		1		A2320 B	06/01/10 18:31 / WB		MAN-TECH_100601A	94	R62773
Bicarbonate as HCO3	220	mg/L		1		A2320 B	06/01/10 18:31 / WB		MAN-TECH_100601A	94	R62773
Chloride	35	mg/L		1		E300.0	06/03/10 21:17 / WB		IC101-H_100603A	40	R62865
Sulfate	180	mg/L		1		E300.0	06/03/10 21:17 / WB		IC101-H_100603A	40	R62865
METALS, DISSOLVED											
Arsenic	0.008	mg/L		0.002		E200.8	06/02/10 01:51 / dck		ICPMS204-B_100601A	120	R62764
Calcium	58	mg/L		1		E200.7	06/02/10 13:31 / sld		ICP1-HE_100602B	41	R62832
Magnesium	34	mg/L		1		E200.7	06/02/10 13:31 / sld		ICP1-HE_100602B	41	R62832
Potassium	13	mg/L		1		E200.7	06/02/10 13:31 / sld		ICP1-HE_100602B	41	R62832
Selenium	0.003	mg/L		0.001		E200.8	06/02/10 01:51 / dck		ICPMS204-B_100601A	120	R62764
Sodium	41	mg/L		1		E200.7	06/02/10 13:31 / sld		ICP1-HE_100602B	41	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 10, 2010

Dan Larson
3459 Weston
Helena, Montana 59601

Dear Mr. Larson:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your residence located at 3459 Weston.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-505
Lab ID: H10050378-006 Larson Residence
Matrix: Groundwater 3459 Weston

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 08:40 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.1	s.u.		0.1		A4500-H B	06/01/10 19:09 / WB		MAN-TECH_100601A	107	R62773
Conductivity	1850	umhos/cm		1		A2510 B	06/01/10 19:09 / WB		MAN-TECH_100601A	106	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:37 / WB	06/02/10 09:58	J-124 (14410200)_100602B	9	8908
Solids, Total Dissolved TDS @ 180 C	1410	mg/L		10		A2540 C	06/02/10 10:48 / WB	06/01/10 14:18	-124 (14410200)_100602A	17	8900
INORGANICS											
Alkalinity, Total as CaCO3	180	mg/L		1		A2320 B	06/01/10 19:09 / WB		MAN-TECH_100601A	105	R62773
Bicarbonate as HCO3	220	mg/L		1		A2320 B	06/01/10 19:09 / WB		MAN-TECH_100601A	105	R62773
Chloride	130	mg/L		1		E300.0	06/03/10 22:22 / WB		IC101-H_100603A	44	R62865
Sulfate	600	mg/L		1		E300.0	06/03/10 22:22 / WB		IC101-H_100603A	44	R62865
METALS, DISSOLVED											
Arsenic	0.010	mg/L		0.002		E200.8	06/02/10 02:38 / dck		ICPMS204-B_100601A	127	R62764
Calcium	155	mg/L		1		E200.7	06/02/10 13:53 / sld		ICP1-HE_100602B	48	R62832
Magnesium	66	mg/L		1		E200.7	06/02/10 13:53 / sld		ICP1-HE_100602B	48	R62832
Potassium	21	mg/L		1		E200.7	06/04/10 12:11 / sld		ICP1-HE_100604B	20	R62885
Selenium	0.005	mg/L		0.001		E200.8	06/02/10 02:38 / dck		ICPMS204-B_100601A	127	R62764
Sodium	111	mg/L		1		E200.7	06/02/10 13:53 / sld		ICP1-HE_100602B	48	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 10, 2010

Dan Larson
3459 Weston
Helena, Montana 59601

Dear Mr. Larson:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your rental property located at 2858 Winslow Avenue.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

The samples collected show that the well's water quality meets all Montana Human Health Standards for the constituents sampled with the exception of total dissolved arsenic, which was higher than the drinking water standard, as shown on the attached water quality criteria table. The Montana Human Health Standard and the Federal Maximum Contaminant Level (MCL) for arsenic is 0.010 mg/l (10 parts per billion). The arsenic tested at your groundwater well was 0.025 mg/l (25 parts per billion).

Last year, I provided you with two fact sheets published by the United State Environmental Protection Agency to help you better understand the potential health effects of arsenic in drinking water. I am again enclosing these two fact sheets for your use. For more information about arsenic in drinking water, see www.epa.gov/safewater/arsenic. If you any questions, you can reach me at 406) 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-504
Lab ID: H10050378-005
Matrix: Groundwater

Larson Residence
2858 Winslow Avenue

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 08:10 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.3	s.u.		0.1		A4500-H B	06/01/10 18:45 / WB		MAN-TECH_100601A	102	R62773
Conductivity	716	umhos/cm		1		A2510 B	06/01/10 18:45 / WB		MAN-TECH_100601A	101	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:36 / WB	06/02/10 09:58	J-124 (14410200)_100602B	8	8908
Solids, Total Dissolved TDS @ 180 C	480	mg/L		10		A2540 C	06/02/10 10:48 / WB	06/01/10 14:18	-124 (14410200)_100602A	16	8900
INORGANICS											
Alkalinity, Total as CaCO3	190	mg/L		1		A2320 B	06/01/10 18:45 / WB		MAN-TECH_100601A	100	R62773
Bicarbonate as HCO3	230	mg/L		1		A2320 B	06/01/10 18:45 / WB		MAN-TECH_100601A	100	R62773
Chloride	47	mg/L		1		E300.0	06/03/10 15:48 / WB		IC101-H_100603A	20	R62865
Sulfate	93	mg/L		1		E300.0	06/03/10 15:48 / WB		IC101-H_100603A	20	R62865
METALS, DISSOLVED											
Arsenic	0.025	mg/L		0.002		E200.8	06/02/10 02:04 / dck		ICPMS204-B_100601A	122	R62764
Calcium	54	mg/L		1		E200.7	06/02/10 13:50 / sld		ICP1-HE_100602B	47	R62832
Magnesium	15	mg/L		1		E200.7	06/02/10 13:50 / sld		ICP1-HE_100602B	47	R62832
Potassium	13	mg/L		1		E200.7	06/02/10 13:50 / sld		ICP1-HE_100602B	47	R62832
Selenium	0.002	mg/L		0.001		E200.8	06/02/10 02:04 / dck		ICPMS204-B_100601A	122	R62764
Sodium	55	mg/L		1		E200.7	06/02/10 13:50 / sld		ICP1-HE_100602B	47	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

August 10, 2009

Supplemental Information for Pet Owners in Seaver Park

The United States Environmental Protection Agency (USEPA)) and the Montana Department of Environmental Quality (DEQ) are working with Asarco to conduct additional sampling of private drinking water wells in the Seaver Park neighborhood. Preliminary sampling of a limited number of wells indicated the presence of elevated arsenic levels above the federal Maximum Contaminant Level for public drinking water systems. Some pet owners in the neighborhood have asked about the safety of their pets relative to the quality of the individual water supply wells. This fact sheet gives a brief overview of this issue.

Domestic animals including dogs and cats typically manifest effects from arsenic exposure in an acute rather than a chronic fashion experiencing the full range of symptoms within a few days. These episodes are most commonly related to contamination of the animal's food supply by soil, vegetation, or discarded materials (herbicides/ insecticides) that contain or are contaminated with high levels of arsenic. The threshold effect levels for dogs and cats is based on the form of arsenic present (in this case most likely sodium arsenate) and is in the range of 3-6 milligrams per pound for dogs and 1-2 milligrams per pound for cats. The arsenic levels currently documented in the Seaver Park wells are in the range of 0.010—0.020 milligrams per liter of water. It is easy to see that the animals, even very small animals weighing only a few pounds, would have to consume many, many liters of water within just a few days to reach levels capable of causing an effect. Animals that are weak, debilitated or dehydrated are more susceptible to arsenic than healthy animals, particularly those with poor kidney function. Because the exposure from soil and other dietary sources is not known for each individual animal, owners could provide treated or bottled water to their pets as a precaution to reduce their overall exposure, but EPA and DEQ do not believe this necessary to ensure the health of these animals.

Regarding tropical and freshwater fish, the threshold effect levels vary widely, but are in the range of 18—75 milligrams per liter, which is approximately one thousand times greater than the levels currently documented in the Seaver Park wells. Again, EPA and DEQ believe that no additional precautions are necessary for these fish.

Additional soils and groundwater sampling will help determine the source and the extent of contamination. EPA and DEQ will share information with local officials and the public. In the mean time, please call any of the contacts listed below with questions and concerns.

CONTACTS

Linda Jacobson
RCRA Project Manager
1-800-227-8917 x 6503 (toll free)

Scott Brown
Superfund Project Manager
406-457-5035

Denise Kirkpatrick
Montana RCRA Project Manager
406-444-3983

Steve Wharton
Risk Assessor
1-800-227-8917 x 6935 (toll free)

Wendy Thomi
Community Involvement Coordinator
406-457-5037

Printed on Recycled Paper

September 1, 2009

Well Sampling in Seaver Park

The United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (DEQ) are working with Asarco to conduct additional sampling of private wells in the Seaver Park neighborhood. Asarco recently collected groundwater samples from your well. The samples were analyzed for metals including: arsenic, cadmium, copper, iron, manganese, lead, selenium, and zinc.

Arsenic is the only metal that was found at levels exceeding Montana Drinking Water Standards and federal Maximum Contaminant Levels (MCLs) applicable to public drinking water supplies. The levels of arsenic found in Seaver Park-including at your residence-do not cause great alarm to public health experts. Some wells contain water measuring more than 0.010 milligrams per Liter (mg/L) or 10 parts per billion (ppb) arsenic which is above the state and federal standards. EPA no longer recommends using wells measuring arsenic above 10 ppb as a source of drinking water.

The potential health effects resulting from **long-term** exposure to inorganic arsenic include cancers of the skin, kidney, bladder and lung, as well as non-cancer effects including skin lesions, gastrointestinal disturbances, diabetes, cardiac arrhythmias, and loss of peripheral nerve function. Daily exposures come from multiple sources including food and dust ingestion as well as drinking water. Cancer risk is assumed to be a function of the concentration of arsenic in drinking water and the total years of exposure. It is important to note that the cancer risk is not zero, even at the standard of 10 ppb. You may also see: www.epa.gov/safewater/arsenic

Several alternatives are available to address arsenic in drinking water. You may install one of several home treatment units certified to effectively remove arsenic. Systems may include:

- activated alumina;
- ion exchange; or
- reverse osmosis

Information on certified systems can be obtained from www.nsf.org

Drinking bottled water tested and shown to be free of arsenic can be used as a temporary measure. Boiling will not remove arsenic from drinking water and may even increase the concentration of arsenic in your water. Bathing, showering, and laundering of clothes in water containing low levels of arsenic, however, will not significantly contribute to exposures.

Asarco will conduct additional testing of private wells in the near future. Additional soil and groundwater sampling in and around the Seaver Park area will help determine the source and the extent of arsenic contamination. These actions are at no cost to you. USEPA and DEQ will share sampling results with local officials and the public.

Please call any of the USEPA or DEQ contacts listed below with questions and concerns.

CONTACTS

Linda Jacobson
RCRA Project Manager
1-800-227-8917 x 6503 (toll free)

Scott Brown
Superfund Project Manager
406-457-5035

Denise Kirkpatrick
Montana RCRA Project Officer
406-444-3983

Steve Wharton
Risk Assessor
1-800-227-8917 x 6935 (toll free)

Wendy Thomi
Community Involvement Coordinator
406-457-5037

June 10, 2010

Blain and Lora Schaffs
3425 Allied Drive
Helena, Montana 59601

Dear Mr. and Mrs. Schaffs:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your residence located at 3425 Winslow Avenue.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

The samples collected show that the well's water quality meets all Montana Human Health Standards for the constituents sampled with the exception of total dissolved arsenic, which was slightly higher than the drinking water standard, as shown on the attached water quality criteria table. The Montana Human Health Standard and the Federal Maximum Contaminant Level (MCL) for arsenic is 0.010 mg/l (10 parts per billion). The arsenic tested at your groundwater well was 0.016 mg/l (16 parts per billion).

Last year, I provided you with two fact sheets published by the United State Environmental Protection Agency to help you better understand the potential health effects of arsenic in drinking water. I am again enclosing these two fact sheets for your use. For more information about arsenic in drinking water, see www.epa.gov/safewater/arsenic. If you any questions, you can reach me at 406) 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-506 Schaffs Residence
Lab ID: H10050378-007 3425 Allied Drive
Matrix: Groundwater

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 09:10 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.2	s.u.		0.1		A4500-H B	06/01/10 19:16 / WB		MAN-TECH_100601A	110	R62773
Conductivity	1700	umhos/cm		1		A2510 B	06/01/10 19:16 / WB		MAN-TECH_100601A	109	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:37 / WB	06/02/10 09:58	-124 (14410200)_100602B	10	8908
Solids, Total Dissolved TDS @ 180 C	1240	mg/L		10		A2540 C	06/02/10 10:49 / WB	06/01/10 14:18	-124 (14410200)_100602A	18	8900
INORGANICS											
Alkalinity, Total as CaCO3	300	mg/L		1		A2320 B	06/01/10 19:16 / WB		MAN-TECH_100601A	108	R62773
Bicarbonate as HCO3	360	mg/L		1		A2320 B	06/01/10 19:16 / WB		MAN-TECH_100601A	108	R62773
Chloride	120	mg/L		1		E300.0	06/03/10 22:39 / WB		IC101-H_100603A	45	R62865
Sulfate	410	mg/L		1		E300.0	06/03/10 22:39 / WB		IC101-H_100603A	45	R62865
METALS, DISSOLVED											
Arsenic	0.016	mg/L		0.002		E200.8	06/02/10 02:45 / dck		ICPMS204-B_100601A	128	R62764
Calcium	180	mg/L		1		E200.7	06/02/10 13:56 / sld		ICP1-HE_100602B	49	R62832
Magnesium	38	mg/L		1		E200.7	06/02/10 13:56 / sld		ICP1-HE_100602B	49	R62832
Potassium	17	mg/L		1		E200.7	06/02/10 13:56 / sld		ICP1-HE_100602B	49	R62832
Selenium	0.010	mg/L		0.001		E200.8	06/02/10 02:45 / dck		ICPMS204-B_100601A	128	R62764
Sodium	97	mg/L		1		E200.7	06/02/10 13:56 / sld		ICP1-HE_100602B	49	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

September 1, 2009

Well Sampling in Seaver Park

The United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (DEQ) are working with Asarco to conduct additional sampling of private wells in the Seaver Park neighborhood. Asarco recently collected groundwater samples from your well. The samples were analyzed for metals including: arsenic, cadmium, copper, iron, manganese, lead, selenium, and zinc.

Arsenic is the only metal that was found at levels exceeding Montana Drinking Water Standards and federal Maximum Contaminant Levels (MCLs) applicable to public drinking water supplies. The levels of arsenic found in Seaver Park-including at your residence-do not cause great alarm to public health experts. Some wells contain water measuring more than 0.010 milligrams per Liter (mg/L) or 10 parts per billion (ppb) arsenic which is above the state and federal standards. EPA no longer recommends using wells measuring arsenic above 10 ppb as a source of drinking water.

The potential health effects resulting from **long-term** exposure to inorganic arsenic include cancers of the skin, kidney, bladder and lung, as well as non-cancer effects including skin lesions, gastrointestinal disturbances, diabetes, cardiac arrhythmias, and loss of peripheral nerve function. Daily exposures come from multiple sources including food and dust ingestion as well as drinking water. Cancer risk is assumed to be a function of the concentration of arsenic in drinking water and the total years of exposure. It is important to note that the cancer risk is not zero, even at the standard of 10 ppb. You may also see: www.epa.gov/safewater/arsenic

Several alternatives are available to address arsenic in drinking water. You may install one of several home treatment units certified to effectively remove arsenic. Systems may include:

- activated alumina;
- ion exchange; or
- reverse osmosis

Information on certified systems can be obtained from www.nsf.org

Drinking bottled water tested and shown to be free of arsenic can be used as a temporary measure. Boiling will not remove arsenic from drinking water and may even increase the concentration of arsenic in your water. Bathing, showering, and laundering of clothes in water containing low levels of arsenic, however, will not significantly contribute to exposures.

Asarco will conduct additional testing of private wells in the near future. Additional soil and groundwater sampling in and around the Seaver Park area will help determine the source and the extent of arsenic contamination. These actions are at no cost to you. USEPA and DEQ will share sampling results with local officials and the public.

Please call any of the USEPA or DEQ contacts listed below with questions and concerns.

CONTACTS

Linda Jacobson
RCRA Project Manager
1-800-227-8917 x 6503 (toll free)

Scott Brown
Superfund Project Manager
406-457-5035

Denise Kirkpatrick
Montana RCRA Project Officer
406-444-3983

Steve Wharton
Risk Assessor
1-800-227-8917 x 6935 (toll free)

Wendy Thomi
Community Involvement Coordinator
406-457-5037

August 10, 2009

Supplemental Information for Pet Owners in Seaver Park

The United States Environmental Protection Agency (USEPA)) and the Montana Department of Environmental Quality (DEQ) are working with Asarco to conduct additional sampling of private drinking water wells in the Seaver Park neighborhood. Preliminary sampling of a limited number of wells indicated the presence of elevated arsenic levels above the federal Maximum Contaminant Level for public drinking water systems. Some pet owners in the neighborhood have asked about the safety of their pets relative to the quality of the individual water supply wells. This fact sheet gives a brief overview of this issue.

Domestic animals including dogs and cats typically manifest effects from arsenic exposure in an acute rather than a chronic fashion experiencing the full range of symptoms within a few days. These episodes are most commonly related to contamination of the animal's food supply by soil, vegetation, or discarded materials (herbicides/ insecticides) that contain or are contaminated with high levels of arsenic. The threshold effect levels for dogs and cats is based on the form of arsenic present (in this case most likely sodium arsenate) and is in the range of 3-6 milligrams per pound for dogs and 1-2 milligrams per pound for cats. The arsenic levels currently documented in the Seaver Park wells are in the range of 0.010—0.020 milligrams per liter of water. It is easy to see that the animals, even very small animals weighing only a few pounds, would have to consume many, many liters of water within just a few days to reach levels capable of causing an effect. Animals that are weak, debilitated or dehydrated are more susceptible to arsenic than healthy animals, particularly those with poor kidney function. Because the exposure from soil and other dietary sources is not known for each individual animal, owners could provide treated or bottled water to their pets as a precaution to reduce their overall exposure, but EPA and DEQ do not believe this necessary to ensure the health of these animals.

Regarding tropical and freshwater fish, the threshold effect levels vary widely, but are in the range of 18—75 milligrams per liter, which is approximately one thousand times greater than the levels currently documented in the Seaver Park wells. Again, EPA and DEQ believe that no additional precautions are necessary for these fish.

Additional soils and groundwater sampling will help determine the source and the extent of contamination. EPA and DEQ will share information with local officials and the public. In the mean time, please call any of the contacts listed below with questions and concerns.

CONTACTS

Linda Jacobson
RCRA Project Manager
1-800-227-8917 x 6503 (toll free)

Scott Brown
Superfund Project Manager
406-457-5035

Denise Kirkpatrick
Montana RCRA Project Manager
406-444-3983

Steve Wharton
Risk Assessor
1-800-227-8917 x 6935 (toll free)

Wendy Thomi
Community Involvement Coordinator
406-457-5037

Printed on Recycled Paper

June 10, 2010

Mr. and Mrs. Schaefer
3465 Allied Drive
Helena, Montana 59601

Dear Mr. and Mrs. Schaefer:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples were collected on May 28, 2010 from the drinking water well that services your residence located at 3465 Allied Drive.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson – Hydrometrics

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-507 Schaefer Residence
Lab ID: H10050378-008 3465 Allied Drive
Matrix: Groundwater

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 09:40 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.2	s.u.		0.1		A4500-H B	06/01/10 19:23 / WB		MAN-TECH_100601A	113	R62773
Conductivity	606	umhos/cm		1		A2510 B	06/01/10 19:23 / WB		MAN-TECH_100601A	112	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:38 / WB	06/02/10 09:58	-124 (14410200)_100602B	11	8908
Solids, Total Dissolved TDS @ 180 C	428	mg/L		10		A2540 C	06/02/10 10:49 / WB	06/01/10 14:18	-124 (14410200)_100602A	19	8900
INORGANICS											
Alkalinity, Total as CaCO3	130	mg/L		1		A2320 B	06/01/10 19:23 / WB		MAN-TECH_100601A	111	R62773
Bicarbonate as HCO3	160	mg/L		1		A2320 B	06/01/10 19:23 / WB		MAN-TECH_100601A	111	R62773
Chloride	38	mg/L		1		E300.0	06/03/10 23:28 / WB		IC101-H_100603A	48	R62865
Sulfate	100	mg/L		1		E300.0	06/03/10 23:28 / WB		IC101-H_100603A	48	R62865
METALS, DISSOLVED											
Arsenic	0.006	mg/L		0.002		E200.8	06/02/10 02:52 / dck		ICPMS204-B_100601A	129	R62764
Calcium	58	mg/L		1		E200.7	06/02/10 13:59 / sld		ICP1-HE_100602B	50	R62832
Magnesium	13	mg/L		1		E200.7	06/02/10 13:59 / sld		ICP1-HE_100602B	50	R62832
Potassium	9	mg/L		1		E200.7	06/02/10 13:59 / sld		ICP1-HE_100602B	50	R62832
Selenium	0.003	mg/L		0.001		E200.8	06/02/10 02:52 / dck		ICPMS204-B_100601A	129	R62764
Sodium	37	mg/L		1		E200.7	06/02/10 13:59 / sld		ICP1-HE_100602B	50	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 10, 2010

Mike McKeegan
3475 Allied Drive
Helena, Montana 59601

Dear Mr. McKeegan:

The Montana Environmental Trust Group, LLC. (METG) is conducting environmental investigation activities in the Seaver Park subdivision under the oversight of the United States Environmental Protection Agency (USEPA) and the Montana Department of Environmental Quality (MDEQ). As part of these activities, water quality samples (both original and duplicate) were collected on May 28, 2010 from the drinking water well that services your residence located at 3475 Allied Drive.

The laboratory analytical reports from the sampling event are attached. All the results are reported in milligrams per liter, unless otherwise noted. The physical parameters are reported in the units noted on the attached laboratory analytical reports. "ND" indicates that the parameter was not detected at the reporting limit.

Based on the analytical results, the water quality of the well is better than the Montana Human Health Standards and Federal Maximum Contaminant Level (MCL)/Action Levels for the constituents tested. These recent water quality results are consistent with previous monitoring data from your site and do not indicate significant changes from historical baseline data.

If you have any questions about the enclosed water quality results, please feel free to contact me at 227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures
Cc: via electronic mail:
Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

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Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-508 McKeegan Residence (Original Sample)
Lab ID: H10050378-009 3475 Allied Drive
Matrix: Groundwater

Project: Special Sampling Seaver Park May 2010
Collection Date: 05/28/10 10:00 **DateReceived:** 05/28/10
Report Date: 06/08/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.2	s.u.		0.1		A4500-H B	06/01/10 19:30 / WB		MAN-TECH_100601A	116	R62773
Conductivity	374	umhos/cm		1		A2510 B	06/01/10 19:30 / WB		MAN-TECH_100601A	115	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:38 / WB	06/02/10 09:58	-124 (14410200)_100602B	12	8908
Solids, Total Dissolved TDS @ 180 C	272	mg/L		10		A2540 C	06/02/10 10:49 / WB	06/01/10 14:18	-124 (14410200)_100602A	20	8900
INORGANICS											
Alkalinity, Total as CaCO3	140	mg/L		1		A2320 B	06/01/10 19:30 / WB		MAN-TECH_100601A	114	R62773
Bicarbonate as HCO3	170	mg/L		1		A2320 B	06/01/10 19:30 / WB		MAN-TECH_100601A	114	R62773
Chloride	8	mg/L		1		E300.0	06/03/10 23:44 / WB		IC101-H_100603A	49	R62865
Sulfate	ND	mg/L		1		E300.0	06/03/10 23:44 / WB		IC101-H_100603A	49	R62865
METALS, DISSOLVED											
Arsenic	0.002	mg/L		0.002		E200.8	06/02/10 02:58 / dck		ICPMS204-B_100601A	130	R62764
Calcium	38	mg/L		1		E200.7	06/02/10 14:02 / sld		ICP1-HE_100602B	51	R62832
Magnesium	8	mg/L		1		E200.7	06/02/10 14:02 / sld		ICP1-HE_100602B	51	R62832
Potassium	6	mg/L		1		E200.7	06/02/10 14:02 / sld		ICP1-HE_100602B	51	R62832
Selenium	ND	mg/L		0.001		E200.8	06/02/10 02:58 / dck		ICPMS204-B_100601A	130	R62764
Sodium	18	mg/L		1		E200.7	06/02/10 14:02 / sld		ICP1-HE_100602B	51	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Project: Special Sampling Seaver Park May 2010
Client Sample ID EHR-0510-509 McKeegan Residence (Duplicate Sample)
Collection Date: 05/28/10 10:15
DateReceived: 05/28/10
Lab ID: H10050378-010 3475 Allied Drive
Report Date: 06/08/10
Matrix: Groundwater

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	8.3	s.u.		0.1		A4500-H B	06/01/10 19:44 / WB		MAN-TECH_100601A	122	R62773
Conductivity	371	umhos/cm		1		A2510 B	06/01/10 19:44 / WB		MAN-TECH_100601A	121	R62773
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	06/02/10 10:38 / WB	06/02/10 09:58	-124 (14410200)_100602B	13	8908
Solids, Total Dissolved TDS @ 180 C	278	mg/L		10		A2540 C	06/02/10 10:50 / WB	06/01/10 14:18	-124 (14410200)_100602A	22	8900
INORGANICS											
Alkalinity, Total as CaCO3	130	mg/L		1		A2320 B	06/01/10 19:44 / WB		MAN-TECH_100601A	120	R62773
Bicarbonate as HCO3	160	mg/L		1		A2320 B	06/01/10 19:44 / WB		MAN-TECH_100601A	120	R62773
Chloride	8	mg/L		1		E300.0	06/04/10 00:01 / WB		IC101-H_100603A	50	R62865
Sulfate	41	mg/L		1		E300.0	06/04/10 00:01 / WB		IC101-H_100603A	50	R62865
METALS, DISSOLVED											
Arsenic	0.002	mg/L		0.002		E200.8	06/02/10 03:25 / dck		ICPMS204-B_100601A	134	R62764
Calcium	39	mg/L		1		E200.7	06/02/10 14:05 / sld		ICP1-HE_100602B	52	R62832
Magnesium	8	mg/L		1		E200.7	06/02/10 14:05 / sld		ICP1-HE_100602B	52	R62832
Potassium	6	mg/L		1		E200.7	06/02/10 14:05 / sld		ICP1-HE_100602B	52	R62832
Selenium	ND	mg/L		0.001		E200.8	06/02/10 03:25 / dck		ICPMS204-B_100601A	134	R62764
Sodium	18	mg/L		1		E200.7	06/02/10 14:05 / sld		ICP1-HE_100602B	52	R62832

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

June 3, 2010

Dan Larson
3459 Weston Drive
Helena, Montana 59601

VIA HAND-DELIVERED

Dear Dan,

On behalf of the Montana Environmental Trust Group, LLC, Trustee of the Montana Custodial Trust (the "Custodial Trust'), I am enclosing the fully executed well access agreement that allows the Trustee to place a groundwater-monitoring well on your property. We are scheduled to construct the well during the week of June 7, 2010.

If you have any questions, please do not hesitate to call me at 406-227-4529.

Sincerely,

Jon Nickel
Consultant

Enclosures

Cc:

Cindy Brooks – METG, Trustee for the Montana Environmental Custodial Trust
Marc Weinreich - METG, Trustee for the Montana Environmental Custodial Trust
Bob Anderson - Hydrometrics

MONITORING ACCESS AGREEMENT

Daniel Larson, with a principal address of 3459 Weston, Helena Montana, 59601 (the "Property Owner"), owner of the real property depicted on attached Plan (Exhibit I) (referred to as the "Property"), hereby grants permission to the Montana Environmental Trust Group, LLC, Trustee of the Montana Environmental Custodial Trust (the "Custodial Trust") with a principal address of P.O. Box 1230, East Helena, MT 59635, and its agents, contractors, and consultants ("Consultants") to enter into the Property for the purposes of conducting the Activities on the Property and subject to the terms and conditions herein. "Activities" shall mean installation, maintenance, use, and closure of groundwater monitoring well(s).

For good and sufficient consideration, the receipt of which is hereby acknowledged, Property Owner hereby grants to the Custodial Trust and its Consultants access to the Property to install, maintain, and use monitoring well(s) and ancillary equipment on the Property reasonably necessary for the Custodial Trust's activities required by the United States Environmental Protection Agency or other governmental agency (the "Agency") (collectively the "Monitoring Well(s)"). This access agreement shall continue until such time as the Custodial Trust's monitoring program is completed to the satisfaction of the Agency or fifteen years from the date hereof, whichever is sooner. The Custodial Trust shall provide Property Owner with plans showing the proposed location of any Monitoring Well(s) to be installed prior to commencing any work. Property Owner shall notify the Custodial Trust in writing within seven (7) days of receipt and/or review of such plans whether it approves of the proposed location. If Property Owner disapproves of such plans, it shall notify the Custodial Trust in writing of the reasons for such disapproval. If Property Owner does not notify the Custodial Trust in writing within seven (7) days, the plans shall be deemed approved by Property Owner. The Custodial Trust and/or its Consultants may enter upon the Property at any time and from time to time for purposes of performing the Activities. Upon satisfaction of the requirements of the Agency, all Monitoring Well(s) installed by the Custodial Trust on the Property shall be properly abandoned by the Custodial Trust at its sole cost and in accordance with applicable governmental regulations. All areas of the Property disturbed by well installation, use, monitoring, or abandonment shall be repaired and restored to their prior condition to the reasonable satisfaction of the Property Owner. Any Monitoring Well(s) installed by the Custodial Trust on the Property shall be the property of the Custodial Trust and shall be maintained by the Custodial Trust at its sole expense. At the Property Owner's request, the Custodial Trust shall provide copies of its test results from the sampling. The Custodial Trust and its Consultants shall comply with all applicable laws and ordinances in performing all Activities.

The Consultants performing the Activities shall carry general liability insurance in the amount of at least One Million Dollars ($1,000,000). The Property Owner agrees to look solely to the insurance and assets of the Custodial Trust in the Custodial Trust East Helena Clean-Up Account for satisfaction of any obligation of the Custodial Trust hereunder. Any notice, consent or approval required or permitted to be given under this Agreement shall be in writing and shall be sent by certified mail, return receipt requested, to the addresses set forth above (or such other addresses as either party may from time to time specify in writing to the other) and shall be deemed to have been given upon receipt. Notices to the Custodial Trust shall also be sent to the Custodial Trust at 44 Shattuck Road, Watertown, MA 02472.

This Agreement may be amended or modified only by a written instrument executed by Property Owner and the Custodial Trust. This Agreement constitutes the entire agreement between the parties and supersedes all prior negotiations and understandings between the parties relating to the subject matter hereof.

In witness whereof, the parties hereto have executed this Agreement as of the last date written below:

CUSTODIAL TRUST:
Montana Environmental Trust Group, LLC,
Trustee of the Montana Environmental Custodial Trust, and not individually

By: Greenfield Environmental Trust Group, Inc., Member

By: Cynthia Brooks
Cynthia Brooks, President

Date: 6-3-10

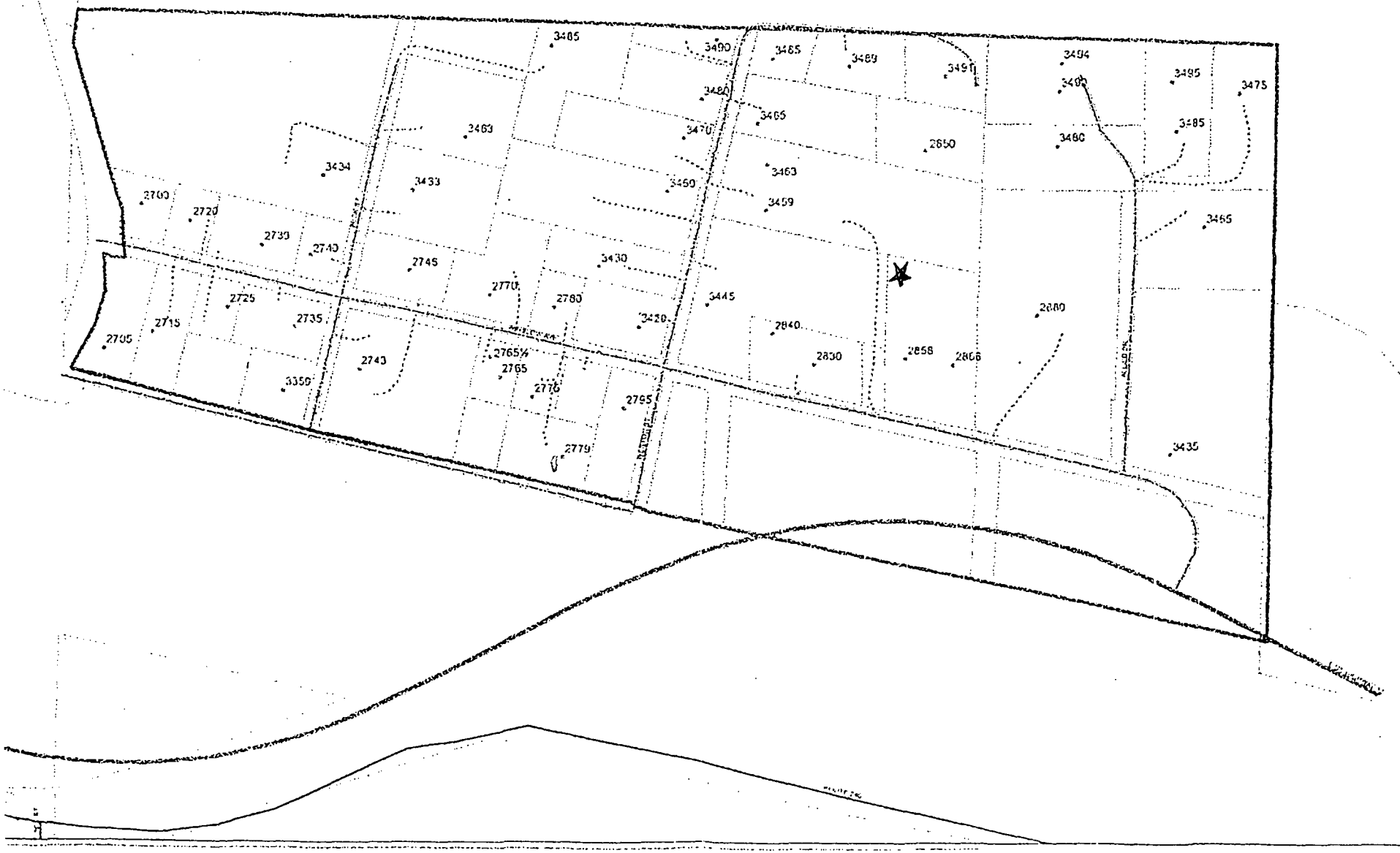
PROPERTY OWNER:

By: Daniel Larson

Date: 6-2-2010

Seaver Park Area

EXHIBIT I



REVISED

VALIDATION SUMMARY

MONTANA ENVIRONMENTAL TRUST GROUP, LLC

EAST HELENA PLANT RCRA CONSENT DECREE

ANNUAL RESIDENTIAL WELL MONITORING PROGRAM

INORGANIC ANALYSES

MAY 5, 2010 SAMPLE EVENT

ENERGY LABORATORY WORK ORDER NO. H10050078

Prepared for:
Montana Environmental Trust Group
15001 Winged Bluff Lane
Draper, UT 84020

Prepared by:
Linda L. Tangen
6900 Cherry Blossom Lane
Albuquerque, NM 87111

June 2010
Revised June 11, 2010

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GLOSSARY OF TERMS

(Not all of these acronyms may be used in this document)

CLP..... Contract Laboratory Program

COC..... Chain of Custody

CRDL..... Contract Required Detection Limit

DI..... Deionized Water

DIS..... Dissolved

DQO..... Data Quality Objective

ELI-Hel ..... Energy Laboratories, Inc., Helena, Montana

EPA..... U.S. Environmental Protection Agency

ICV ..... Initial Calibration Verification

IDL ..... Instrument Detection Limit

LCS..... Laboratory Control Sample

LFB..... Laboratory Fortified Blank

MS ..... Matrix Spike

METG..... Montana Environmental Trust Group, LLC

NA ..... Not Applicable

PDLG..... Project Detection Limit Goal

QC ..... Quality Control

RCRA ..... Resource and Conservation Recovery Act

RPD ..... Relative Percent Difference

SC ..... Specific Conductivity

TDS ..... Total Dissolved Solids

SUMMARY

Groundwater samples were collected from East Helena residential groundwater wells on May 5, 2010 for the Montana Environmental Trust Group, LLC's (METG) monthly monitoring program. These samples were collected according to the U.S. Environmental Protection Agency's (EPA) Resource and Conservation Recovery Act (RCRA) Consent Decree Monitoring Program (ASARCO 2009), which is administered by the Montana Environmental Trust Group, LLC (METG). Inorganic constituents for these samples were validated using EPA guidelines for data validation (EPA 2004) and the project work plan (ASARCO 2009). Samples were analyzed by Energy Laboratories, Inc. (ELI-Hel) in Helena, Montana, under work order H10050078.

The validated database is located in Appendix 1. Field notes, chain of custody forms, and laboratory reports are located in Appendices 2, 3, and 4, respectively.

Data quality objectives for this project are as follows:

- **Precision** is determined by field and laboratory duplicate sample results that are within control limits. The completeness objective for precision is 90% of the duplicate sample results within control limits. **This objective was met as 100% (33 out 33 results) of the field duplicate and 100% (65 out of 65 results) of the laboratory duplicate results were in control limits. The overall precision was calculated at 100% (98 out of 98 results).**
- **Accuracy** is determined by laboratory control sample (LCS) and matrix spike (MS) sample results that are within control limits. The completeness objective for accuracy is 90% of the LCS and MS sample results within control limits. **This objective was met as 100% (58 out of 58 results) of the LCS results and 100% (81 out of 81 results) of the MS results were within control limits. The overall accuracy was calculated at 100% (139 out of 139 results).**

- **Completeness** is calculated by the number of valid (not rejected) data per number of planned data, expressed as a percentage. The completeness goal for this project was 90%. **This goal was *not* met as 87.3% (510 out of 584 results) of the planned data were analyzed and deemed valid.** This was due to the omission of 74 measurements from sites EHC2 (City of East Helena Well #2) and 107 E. Groschell. Samples were not collected from EHC2 because the pump was inoperable and from 107 E. Groschell because the homeowner (Scott St. Clair) refused the request to sample.

Qualified Data Summary

- No data were qualified due to this review.

Conclusion

The data collected on May 5, 2010 for the METG East Helena RCRA Consent Decree's monthly residential well monitoring program are deemed acceptable and can be used for the purposes they were intended. **Of the measured results, 100% (510 out of 510 results) can be used without qualification.**

Data Validation Report by: Linda L. Tangen

Client Review: Jon Nickel
Montana Environmental Trust Group

DATA VALIDATION REPORT

1. INTRODUCTION

- This validation applies to analyses for 14 groundwater and quality control samples collected on May 5, 2010 for the METG East Helena RCRA Consent Decree's monthly residential well monitoring program (ASARCO 2009). Samples were analyzed by Energy Laboratories in Helena, Montana (ELI-Hel) under work order H10050078. One field blank and one field duplicate sample was included with these samples.

- Validation procedures used are generally consistent with:
  - _X_ EPA Contract Laboratory Program (CLP) National Functional Guidelines for Inorganics Data Review (EPA 2004)
  - _X_ ASARCO East Helena Plant RCRA Consent Decree Monitoring Plan (ASARCO 2009)
  - ____ Other

- Overall level of validation:
  - ____ CLP
  - _X_ Standard – Field and laboratory quality control (QC) samples are reviewed; and samples associated with QC violations are flagged.
  - ____ Visual

2. DELIVERABLES

- All laboratory document deliverables were present and accurate as specified in the CLP-Statement of Work (EPA 2001), and/or the project contract.
  - _X_ Yes
  - ____ No

- All documentation of field procedures was provided as required.
  - _X_ Yes
  - ____ No

3. FIELD PROCEDURES

- Samples were collected from all project-required sites.
  - ____ Yes
  - _X_ No - see notes

  Notes: Samples were not collected at site EHC2 (City of East Helena Well #2) because the pump was inoperable, and 107 E. Groschell because the homeowner (Scott St. Clair) refused the request to sample. **The omission of 74 measurements was subtracted from the project's completeness.**

- Field parameters were measured in accordance with the project work plan.
  _X_ Yes
  ____ No

- Field instruments were calibrated daily and before measurements were collected.
  _X_ Yes
  ____ No

- Chains of Custodies (COCs) were properly filled out and signed by the field personnel.
  _X_ Yes
  ____ No

- Data entry into field books, on COCs, and on sample labels were accurate and complete.
  _X_ Yes
  ____ No

- Samples were properly preserved in the field.
  ____ Yes
  _X_ No – see notes

  Notes: The samples were received by the laboratory at a temperature of 8.9°C instead of the required 4-6 °C. However, they were delivered directly from the field and did not have time to cool to the proper temperature. Therefore, the samples' quality was not affected.

4. FIELD BLANKS

Blanks: Please note that the highest blank value associated with any particular analyte is the blank value used for the flagging process.

Deionized water (DI), trip, rinsate, or any other field blanks have been carried out at the proper frequency (one rinsate blank and one DI blank per event).
_X_ Yes
____ No

Reported results on the field blanks were less than the Project Detection Limit Goals (PDLGs) or reporting limit.
_X_ Yes
____ No

5. FIELD DUPLICATES

Field duplicates have been collected at the proper frequency (one field duplicate per event).

_X_ Yes
____ No

Field duplicate relative percent differences (RPDs) were within the required control limits (RPD of 20% or less). If the sample or duplicate result is less or equal to five times the PDLG, the RPD criteria are not used. In these cases, the difference between the sample and the duplicate results must be within ± the PDLG.

_X_ Yes
____ No

6. LABORATORY PROCEDURES

- **Laboratory procedures followed**

  _X_ CLP-Statement of Work (EPA 2001)
  ____ SW-846 (EPA 1986)
  _X_ Methods for Chemical Analysis of Water and Wastes (EPA 1983)

- **Holding times met**

  _X_ Yes
  ____ No

- **Consistency with project requirements**

  Analyses were carried out as required by the project work plan (ASARCO 2009).

  _X_ Yes
  ____ No

  Project specified methods were used.

  _X_ Yes
  ____ No

7. DETECTION LIMITS

- Reporting detection limits met PDLGs.

  _X_ Yes
  ____ No

8. LABORATORY BLANKS

Please note that the highest blank value associated with any particular analyte is the blank value used for the flagging process.

- Method blanks were prepared and analyzed at the required frequency (one per batch or one per 20 samples, whichever is greater.

  _X_ Yes
  ____ No

- All the analytes in the blank were less than the PDLG.

  _X_ Yes
  ____ No

9. LABORATORY MATRIX SPIKES

- A Matrix Spike (MS) sample (pre-digestion) was analyzed at the proper frequency (one per batch and/or matrix).

  _X_ Yes
  ____ No

- MS recoveries were within the required control limits (75-125%).

  _X_ Yes
  ____ No

10. LABORATORY DUPLICATES

- Laboratory duplicate samples were analyzed at the proper frequency (one per batch or one per 20 samples, whichever is greater).

  _X_ Yes
  ____ No

- RPDs were within the required control limits (RPD of 20% or less). If the sample or duplicate result is less or equal to five times the PDLG, the RPD criteria are not used. In these cases, the difference between the sample and the duplicate results must be within ± the PDLG.

  _X_ Yes
  ____ No

11. LABORATORY CONTROL STANDARDS (LCS)

Laboratory Fortified Blanks (LFBs) were used in lieu of LCS' for metal analyses. This is acceptable for the purpose of the project.

- The reference material used for the LCS or LFB was of the correct matrix.
  _X_ Yes
  ____ No

- LCS' or LFBs were prepared and analyzed at the proper frequency (one per batch or one per 20 samples, whichever is greater).
  _X_ Yes
  ____ No

- LCS recoveries were within the required control limits (80-120% or certified range).
  _X_ Yes
  ____ No

12. INTERPARAMETER COMPARISON

_X_ Lab pH vs. Field pH.

_X_ Lab Specific Conductivity (SC) vs. Field SC

_X_ Total Dissolved Solids (TDS) vs. Lab SC

_X_ Ion Balance

Notes: *RPDs were used to compare associated measurements. If the RPD was greater than 20, the measurements were then compared to other analytes and/or historical data to determine if they were valid or anomalies. Following is a summary of these comparisons.*

Lab pH vs. Field pH: All field and lab pH comparisons were in order (pairs had RPDs less than 20). The RPDs for pH pairs ranged from 7.3% to 18.3%, with an average RPD of 12.1%.

Lab SC vs. Field SC: All field and lab SC comparisons were in order (pairs had RPDs less than 20). The RPDs for SC pairs ranged from 8.1% to 14.3%, with an average RPD of 11.7%.

TDS vs. Lab SC: The ratio of TDS to lab SC should lie between 0.55 and 0.75. In natural waters with high sulfate, the ratio may be much higher. This ratio is intended to be a check on the accuracy of the TDS and lab SC measurements. (It should be noted that these measurements are less accurate in dilute waters.) For this sampling event, the ratios were in line with historical data. The TDS/SC ratios ranged from 0.65 to 0.73, with an average ratio of 0.68.

Ion Balance: All ion balances were in order (RPDs were less than 20 but preferably, less than 10). The ion balances ranged from 0.02% to 5.07%, with an average RPD of 1.56%.

13. HISTORICAL COMPARISON SUMMARY

Data for this sampling event were compared with the previous five years of sampling events. All of this sampling event's results were less than three standard deviations from the historical mean.

14. DATA QUALITY OBJECTIVES (DQOS)

- The data quality goal was met for precision (90% of the field and laboratory duplicates were within control limits).

  _X_ Yes –see the following table
  ____ No

Precision Objectives

QC Type	Total Results	# of Results Out of Control Limits	# of Results Within Control Limits	% Within Control Limits
Field Duplicates	33	0	33	100.0%
Lab Duplicates	65	0	65	100.0%
Overall	**98**	**0**	**98**	**100.0%**

- The data quality goal was met for accuracy (90% of the LCS and matrix spike results were within control limits).

  _X_ Yes – see the following table
  ____ No

Accuracy Objectives

QC Type	Total Results	# of Results Out of Control Limits	# of Results Within Control Limits	% Within Control Limits
LCS' and LFBs	58	0	58	100.0%
Matrix Spikes	81	0	81	100.0%
Overall	**139**	**0**	**139**	**100.0%**

- DQO target for completeness was met (the number of valid results divided by the number of possible results is 90% or above).

  ____ Yes
  _X_ No – the table on the following page

Completeness

# of Planned Measurements	Actual # of Measurements	# of Rejected Measurements	# of Valid Measurements	Completeness
584	510*	0	510	87.3%

***Notes:** Samples were not collected at planned sites, EHC1 and 107 E. Groschell (omission of 74 measurements). Refer to Section 3 for details.

- Samples were qualified for QC exceedances and deficiencies.
  ____ Yes
  _X_ No – see the following table

Qualification of Samples

# of Measurements	# of Qualified Measurements	# Not Qualified	% Not Qualified
510	0	510	100.0%

15. CONCLUSION

The data collected on May 5, 2010 for the METG East Helena RCRA Consent Decree's monthly residential well monitoring program are deemed acceptable and can be used for the purposes they were intended.

REFERENCES

ASARCO 2009. *ASARCO East Helena Plant RCRA Consent Decree Monitoring Plan.* ASARCO LLC. March.

EPA 1983. *Methods for Chemical Analysis of Water and Wastes.* United States Environmental Protection Agency. March.

EPA 1986. *Test Method for Evaluating Solid Waste: Physical/Chemical Methods 3rd Ed. 4 Vols.* United States Environmental Protection Agency. December.

EPA 2001. *USEPA Contract Laboratory Program Statement of Work for Inorganic Analysis.* United States Environmental Protection Agency. Document Number ILM05.2. December.

EPA 2004. *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review.* United States Environmental Protection Agency. Document Number OSWER 9240.1-45. EPA 540-R-04-004. October.

APPENDIX 1

DATABASE

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Table of Contents by Station Type

Page	Station Type	Station Name
1	Domestic Wells	001Gail
1	Domestic Wells	003Gail
1	Domestic Wells	009Gail
3	Domestic Wells	105Gail
3	Domestic Wells	107Gros
3	Domestic Wells	109Gail
5	Domestic Wells	303Thurman
5	Domestic Wells	401Gail
5	Domestic Wells	407Porter
7	Field Quality Control	FieldBlank
7	Public Water Systems	EHC1
7	Public Water Systems	EHC2
9	Public Water Systems	EHC3
9	Public Water Systems	PelePk1
9	Public Water Systems	PelePk2

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Run Time: 6/14/2010 10:06:29 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Table of Contents By Lab Sample ID

Page	Lab Sample ID	Sample ID	Sample Date	Station Name
7	EHR-0510-314	EHR-0510-314	5/5/2010	EHC2
3	EHR-0510-315	EHR-0510-315	5/5/2010	107Gros
7	H10050078-001	EHR-0510-300	5/5/2010	FieldBlank
5	H10050078-002	EHR-0510-301	5/5/2010	401Gail
1	H10050078-003	EHR-0510-302	5/5/2010	003Gail
1	H10050078-004	EHR-0510-303	5/5/2010	001Gail
3	H10050078-005	EHR-0510-304	5/5/2010	105Gail
7	H10050078-006	EHR-0510-305	5/5/2010	EHC1
9	H10050078-007	EHR-0510-306	5/5/2010	EHC3
1	H10050078-008	EHR-0510-307	5/5/2010	009Gail
3	H10050078-009	EHR-0510-308	5/5/2010	109Gail
5	H10050078-010	EHR-0510-309	5/5/2010	303Thurman
9	H10050078-011	EHR-0510-310	5/5/2010	PelePk1
9	H10050078-012	EHR-0510-311	5/5/2010	PelePk2
5	H10050078-013	EHR-0510-312	5/5/2010	407Porter
5	H10050078-014	EHR-0510-313	5/5/2010	407Porter

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Run Time: 6/14/2010 10:06:29 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Table of Contents by Sample ID

Page	Sample ID	Lab Sample ID	Sample Date	Station Name
7	EHR-0510-300	H10050078-001	5/5/2010	FieldBlank
5	EHR-0510-301	H10050078-002	5/5/2010	401Gail
1	EHR-0510-302	H10050078-003	5/5/2010	003Gail
1	EHR-0510-303	H10050078-004	5/5/2010	001Gail
3	EHR-0510-304	H10050078-005	5/5/2010	105Gail
7	EHR-0510-305	H10050078-006	5/5/2010	EHC1
9	EHR-0510-306	H10050078-007	5/5/2010	EHC3
1	EHR-0510-307	H10050078-008	5/5/2010	009Gail
3	EHR-0510-308	H10050078-009	5/5/2010	109Gail
5	EHR-0510-309	H10050078-010	5/5/2010	303Thurman
9	EHR-0510-310	H10050078-011	5/5/2010	PelePk1
9	EHR-0510-311	H10050078-012	5/5/2010	PelePk2
5	EHR-0510-312	H10050078-013	5/5/2010	407Porter
5	EHR-0510-313	H10050078-014	5/5/2010	407Porter
7	EHR-0510-314	EHR-0510-314	5/5/2010	EHC2
3	EHR-0510-315	EHR-0510-315	5/5/2010	107Gros

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

Run Time: 6/14/2010 10:06:29 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	001Gail	003Gail	009Gail
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	09:15	08:40	11:05
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050078-004	H10050078-003	H10050078-008
	SAMPLE NUMBER	EHR-0510-303	EHR-0510-302	EHR-0510-307
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			
Common Ions (mg/L): ppm unless noted				
	Bicarbonate (HCO3)	93	95	98
	Calcium (Ca) (DIS)	31	29	31
	Chloride (Cl)	5	5	5
	Magnesium (Mg) (DIS)	7	7	7
	Potassium (K) (DIS)	3	3	3
	Sodium (Na) (DIS)	14	14	13
	Sulfate (SO4)	52	56	51
	Total Alkalinity As CACO3	76	78	81
Metals (mg/L): ppm unless noted				
	Aluminum (Al) (DIS)	<0.1	<0.1	<0.1
	Antimony (Sb) (DIS)	<0.003	<0.003	<0.003
	Arsenic (As) (DIS)	<0.002	<0.002	<0.002
	Barium (Ba) (DIS)	<0.1	<0.1	<0.1
	Beryllium (Be) (DIS)	<0.001	<0.001	<0.001
	Cadmium (Cd) (DIS)	<0.001	<0.001	<0.001
	Chromium (Cr) (DIS)	<0.001	<0.001	<0.001
	Cobalt (Co) (DIS)	<0.01	<0.01	<0.01
	Copper (Cu) (DIS)	0.072	0.023	0.06
	Gold (Au) (DIS)	<0.01	<0.01	<0.01
	Iron (Fe) (DIS)	0.05	<0.02	<0.02
	Lead (Pb) (DIS)	<0.005	<0.005	<0.005
	Manganese (Mn) (DIS)	<0.01	<0.01	<0.01
	Mercury (Hg) (DIS)	<0.001	<0.001	<0.001
	Nickel (Ni) (DIS)	<0.01	<0.01	<0.01
	Selenium (Se) (DIS)	<0.001	<0.001	<0.001
	Silver (Ag) (DIS)	<0.005	<0.005	<0.005
	Tellurium (Te) (DIS)	<0.1	<0.1	<0.1
	Thallium (Tl) (DIS)	<0.001	<0.001	<0.001
	Vanadium (V) (DIS)	<0.01	<0.01	<0.01
	Zinc (Zn) (DIS)	<0.01	<0.01	<0.01
Physical/Fld-Lab: ppm unless noted				
	Oxygen (O) (DIS) (Fld)	9.42	6.65	7.62
	pH	7.7	7.7	7.6
	pH (Fld)	6.59	6.68	6.85
	SC (umhos/cm at 25 C) (Fld)	247	256	250
	SC (umhos/cm at 25 C)	276	287	282

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

Run Time: 6/14/2010 10:06:29 AM

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ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	001Gail	003Gail	009Gail
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	09:15	08:40	11:05
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050078-004	H10050078-003	H10050078-008
	SAMPLE NUMBER	EHR-0510-303	EHR-0510-302	EHR-0510-307
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			
Physical/Fld-Lab: ppm unless noted				
	Total Suspended Solids	<10	<10	<10
	TDS (Measured at 180 C)	185	193	187
	Water Temperature (C) (Fld)	7.3	7.7	9.2

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	105Gail	107Gros	109Gail
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	09:40	00:00	11:35
	LAB	ELI	METG	ELI
	LAB NUMBER	H10050078-005	EHR-0510-315	H10050078-009
	SAMPLE NUMBER	EHR-0510-304	EHR-0510-315	EHR-0510-308
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION		Refused Request	
	REMARKS		No Sample	
Common Ions (mg/L): ppm unless noted				
	Bicarbonate (HCO3)	100		99
	Calcium (Ca) (DIS)	30		33
	Chloride (Cl)	4		4
	Magnesium (Mg) (DIS)	7		7
	Potassium (K) (DIS)	3		3
	Sodium (Na) (DIS)	14		13
	Sulfate (SO4)	49		52
	Total Alkalinity As CACO3	83		81
Metals (mg/L): ppm unless noted				
	Aluminum (Al) (DIS)	<0.1		<0.1
	Antimony (Sb) (DIS)	<0.003		<0.003
	Arsenic (As) (DIS)	<0.002		<0.002
	Barium (Ba) (DIS)	<0.1		<0.1
	Beryllium (Be) (DIS)	<0.001		<0.001
	Cadmium (Cd) (DIS)	<0.001		<0.001
	Chromium (Cr) (DIS)	<0.001		<0.001
	Cobalt (Co) (DIS)	<0.01		<0.01
	Copper (Cu) (DIS)	0.028		0.002
	Gold (Au) (DIS)	<0.01		<0.01
	Iron (Fe) (DIS)	<0.02		<0.02
	Lead (Pb) (DIS)	<0.005		<0.005
	Manganese (Mn) (DIS)	<0.01		<0.01
	Mercury (Hg) (DIS)	<0.001		<0.001
	Nickel (Ni) (DIS)	<0.01		<0.01
	Selenium (Se) (DIS)	<0.001		<0.001
	Silver (Ag) (DIS)	<0.005		<0.005
	Tellurium (Te) (DIS)	<0.1		<0.1
	Thallium (Tl) (DIS)	<0.001		<0.001
	Vanadium (V) (DIS)	<0.01		<0.01
	Zinc (Zn) (DIS)	<0.01		<0.01
Other: ppm unless noted				
	No Analysis		0.0	
Physical/Fld-Lab: ppm unless noted				
	Oxygen (O) (DIS) (Fld)	6.15		8.21
	pH	7.7		7.8
	pH (Fld)	6.41		7.05
	SC (umhos/cm at 25 C) (Fld)	246		256
	SC (umhos/cm at 25 C)	279		283

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	105Gail	109Gail
Water	SAMPLE DATE	5/5/2010	5/5/2010
	SAMPLE TIME	09:40	11:35
	LAB	ELI	ELI
	LAB NUMBER	H10050078-005	H10050078-009
	SAMPLE NUMBER	EHR-0510-304	EHR-0510-308
	TYPE	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells
	DESCRIPTION		
	REMARKS		
Physical/Fld-Lab: ppm unless noted			
	Total Suspended Solids	<10	<10
	TDS (Measured at 180 C)	192	192
	Water Temperature (C) (Fld)	9.8	9.4

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	303Thurman	401Gail	407Porter	407Porter
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	12:05	08:10	14:45	15:10
	LAB	ELI	ELI	ELI	ELI
	LAB NUMBER	H10050078-010	H10050078-002	H10050078-013	H10050078-014
	SAMPLE NUMBER	EHR-0510-309	EHR-0510-301	EHR-0510-312	EHR-0510-313
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells	Private Wells
	DESCRIPTION				
	REMARKS				Field Duplicate
Common Ions (mg/L): ppm unless noted					
	Bicarbonate (HCO3)	110	150	160	160
	Calcium (Ca) (DIS)	31	96	84	80
	Chloride (Cl)	7	26	12	12
	Magnesium (Mg) (DIS)	7	21	19	18
	Potassium (K) (DIS)	6	6	3	3
	Sodium (Na) (DIS)	28	24	22	23
	Sulfate (SO4)	69	220	180	180
	Total Alkalinity As CACO3	92	120	130	130
Metals (mg/L): ppm unless noted					
	Aluminum (Al) (DIS)	<0.1	<0.1	<0.1	<0.1
	Antimony (Sb) (DIS)	<0.003	<0.003	<0.003	<0.003
	Arsenic (As) (DIS)	<0.002	0.003	<0.002	<0.002
	Barium (Ba) (DIS)	<0.1	<0.1	<0.1	<0.1
	Beryllium (Be) (DIS)	<0.001	<0.001	<0.001	<0.001
	Cadmium (Cd) (DIS)	<0.001	<0.001	<0.001	<0.001
	Chromium (Cr) (DIS)	0.001	<0.001	<0.001	<0.001
	Cobalt (Co) (DIS)	<0.01	<0.01	<0.01	<0.01
	Copper (Cu) (DIS)	0.005	0.004	0.011	0.011
	Gold (Au) (DIS)	<0.01	<0.01	<0.01	<0.01
	Iron (Fe) (DIS)	<0.02	0.18	<0.02	<0.02
	Lead (Pb) (DIS)	<0.005	<0.005	<0.005	<0.005
	Manganese (Mn) (DIS)	<0.01	0.02	<0.01	<0.01
	Mercury (Hg) (DIS)	<0.001	<0.001	<0.001	<0.001
	Nickel (Ni) (DIS)	<0.01	<0.01	<0.01	<0.01
	Selenium (Se) (DIS)	0.004	0.024	0.006	0.006
	Silver (Ag) (DIS)	<0.005	<0.005	<0.005	<0.005
	Tellurium (Te) (DIS)	<0.1	<0.1	<0.1	<0.1
	Thallium (Tl) (DIS)	<0.001	<0.001	<0.001	<0.001
	Vanadium (V) (DIS)	<0.01	<0.01	<0.01	<0.01
	Zinc (Zn) (DIS)	<0.01	0.04	<0.01	<0.01
Physical/Fld-Lab: ppm unless noted					
	Oxygen (O) (DIS) (Fld)	8.24	5.77	7.47	
	pH	7.6	7.6	7.9	7.9
	pH (Fld)	6.91	6.63	7.34	
	SC (umhos/cm at 25 C) (Fld)	309	651	553	
	SC (umhos/cm at 25 C)	352	744	638	636

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	303Thurman	401Gail	407Porter	407Porter
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	12:05	08:10	14:45	15:10
	LAB	ELI	ELI	ELI	ELI
	LAB NUMBER	H10050078-010	H10050078-002	H10050078-013	H10050078-014
	SAMPLE NUMBER	EHR-0510-309	EHR-0510-301	EHR-0510-312	EHR-0510-313
	TYPE	Domestic Wells	Domestic Wells	Domestic Wells	Domestic Wells
	GROUP	Private Wells	Private Wells	Private Wells	Private Wells
	DESCRIPTION				
	REMARKS				Field Duplicate
Physical/Fld-Lab: ppm unless noted					
	Total Suspended Solids	13	<10	<10	<10
	TDS (Measured at 180 C)	230	545	436	430
	Water Temperature (C) (Fld)	10.1	11.1	10.4	

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	FieldBlank	EHC1	EHC2
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	15:40	10:10	00:00
	LAB	ELI	ELI	METG
	LAB NUMBER	H10050078-001	H10050078-006	EHR-0510-314
	SAMPLE NUMBER	EHR-0510-300	EHR-0510-305	EHR-0510-314
	TYPE	Field QC	.blic Water Systems	.blic Water Systems
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION		Coll. Fr. SS Spigot	Pump Inoperable
	REMARKS	Blank		No Sample
Common Ions (mg/L): ppm unless noted				
	Bicarbonate (HCO3)	<1	91	
	Calcium (Ca) (DIS)	<1	29	
	Chloride (Cl)	<1	5	
	Magnesium (Mg) (DIS)	<1	7	
	Potassium (K) (DIS)	<1	3	
	Sodium (Na) (DIS)	<1	12	
	Sulfate (SO4)	<1	48	
	Total Alkalinity As CACO3	<1	75	
Metals (mg/L): ppm unless noted				
	Aluminum (Al) (DIS)	<0.1	<0.1	
	Antimony (Sb) (DIS)	<0.003	<0.003	
	Arsenic (As) (DIS)	<0.002	<0.002	
	Barium (Ba) (DIS)	<0.1	<0.1	
	Beryllium (Be) (DIS)	<0.001	<0.001	
	Cadmium (Cd) (DIS)	<0.001	<0.001	
	Chromium (Cr) (DIS)	<0.001	<0.001	
	Cobalt (Co) (DIS)	<0.01	<0.01	
	Copper (Cu) (DIS)	<0.001	<0.001	
	Gold (Au) (DIS)	<0.01	<0.01	
	Iron (Fe) (DIS)	<0.02	<0.02	
	Lead (Pb) (DIS)	<0.005	<0.005	
	Manganese (Mn) (DIS)	<0.01	<0.01	
	Mercury (Hg) (DIS)	<0.001	<0.001	
	Nickel (Ni) (DIS)	<0.01	<0.01	
	Selenium (Se) (DIS)	<0.001	<0.001	
	Silver (Ag) (DIS)	<0.005	<0.005	
	Tellurium (Te) (DIS)	<0.1	<0.1	
	Thallium (Tl) (DIS)	<0.001	<0.001	
	Vanadium (V) (DIS)	<0.01	<0.01	
	Zinc (Zn) (DIS)	<0.01	<0.01	
Other: ppm unless noted				
	No Analysis			0.0
Physical/Fld-Lab: ppm unless noted				
	Oxygen (O) (DIS) (Fld)		6.96	
	pH	5.5	7.7	
	pH (Fld)		6.82	
	SC (umhos/cm at 25 C) (Fld)		240	
	SC (umhos/cm at 25 C)	<1	265	

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	FieldBlank	EHC1
Water	SAMPLE DATE	5/5/2010	5/5/2010
	SAMPLE TIME	15:40	10:10
	LAB	ELI	ELI
	LAB NUMBER	H10050078-001	H10050078-006
	SAMPLE NUMBER	EHR-0510-300	EHR-0510-305
	TYPE	Field QC	blic Water Systems
	GROUP	Private Wells	Private Wells
	DESCRIPTION		Coll. Fr. SS Spigot
	REMARKS	Blank	
Physical/Fld-Lab: ppm unless noted			
	Total Suspended Solids	<10	<10
	TDS (Measured at 180 C)	<10	179
	Water Temperature (C) (Fld)		9.5

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	EHC3	PelePk1	PelePk2
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	10:35	13:45	14:15
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050078-007	H10050078-011	H10050078-012
	SAMPLE NUMBER	EHR-0510-306	EHR-0510-310	EHR-0510-311
	TYPE	ıblic Water Systems	.blic Water Systems	.blic Water Systems
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			
Common Ions (mg/L): ppm unless noted				
	Bicarbonate (HCO3)	91	93	89
	Calcium (Ca) (DIS)	28	29	28
	Chloride (Cl)	4	3	4
	Magnesium (Mg) (DIS)	6	6	6
	Potassium (K) (DIS)	2	3	2
	Sodium (Na) (DIS)	13	12	11
	Sulfate (SO4)	45	45	39
	Total Alkalinity As CACO3	75	77	73
Metals (mg/L): ppm unless noted				
	Aluminum (Al) (DIS)	<0.1	<0.1	<0.1
	Antimony (Sb) (DIS)	<0.003	<0.003	<0.003
	Arsenic (As) (DIS)	<0.002	<0.002	<0.002
	Barium (Ba) (DIS)	<0.1	<0.1	<0.1
	Beryllium (Be) (DIS)	<0.001	<0.001	<0.001
	Cadmium (Cd) (DIS)	<0.001	<0.001	<0.001
	Chromium (Cr) (DIS)	<0.001	<0.001	<0.001
	Cobalt (Co) (DIS)	<0.01	<0.01	<0.01
	Copper (Cu) (DIS)	0.001	<0.001	<0.001
	Gold (Au) (DIS)	<0.01	<0.01	<0.01
	Iron (Fe) (DIS)	<0.02	<0.02	0.03
	Lead (Pb) (DIS)	<0.005	<0.005	<0.005
	Manganese (Mn) (DIS)	<0.01	<0.01	<0.01
	Mercury (Hg) (DIS)	<0.001	<0.001	<0.001
	Nickel (Ni) (DIS)	<0.01	<0.01	<0.01
	Selenium (Se) (DIS)	<0.001	<0.001	<0.001
	Silver (Ag) (DIS)	<0.005	<0.005	<0.005
	Tellurium (Te) (DIS)	<0.1	<0.1	<0.1
	Thallium (Tl) (DIS)	<0.001	<0.001	<0.001
	Vanadium (V) (DIS)	<0.01	<0.01	<0.01
	Zinc (Zn) (DIS)	<0.01	<0.01	<0.01
Physical/Fld-Lab: ppm unless noted				
	Oxygen (O) (DIS) (Fld)	8.1	9.68	9.34
	pH	7.7	7.8	7.8
	pH (Fld)	6.85	6.86	7.05
	SC (umhos/cm at 25 C) (Fld)	227	236	209
	SC (umhos/cm at 25 C)	255	256	238

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

ANALYSES SUMMARY REPORT

East Helena Private Well Data - May 5, 2010 Sampling Event

Database: ASARCO, East Helena Plant

Sample Matrix	STATION	EHC3	PelePk1	PelePk2
Water	SAMPLE DATE	5/5/2010	5/5/2010	5/5/2010
	SAMPLE TIME	10:35	13:45	14:15
	LAB	ELI	ELI	ELI
	LAB NUMBER	H10050078-007	H10050078-011	H10050078-012
	SAMPLE NUMBER	EHR-0510-306	EHR-0510-310	EHR-0510-311
	TYPE	ıblic Water Systems	.blic Water Systems	.blic Water Systems
	GROUP	Private Wells	Private Wells	Private Wells
	DESCRIPTION			
	REMARKS			
Physical/Fld-Lab: ppm unless noted				
	Total Suspended Solids	<10	<10	<10
	TDS (Measured at 180 C)	172	175	158
	Water Temperature (C) (Fld)	8.8	9	8.7

TOT: Total; DIS: Dissolved; TRC: Total Recoverable

NOTE: Table 1 lists data validation flagging descriptions.

APPENDIX 2

FIELD NOTES

MAY 5 2010
ANNUAL RI/FS LONG-TERM MONITORING
PROGRAM - RESIDENTIAL WELL AND
PUBLIC WATER SUPPLY SYSTEMS

FIELD STANDARDIZATION OF Horiba

	STANDARD VALUE	METER READING
ph	4.00 SU	4.00 SU
CONDUCTIVITY	4490 umhos/cm	4480 umhos/cm
SALINITY	0.23%	0.23%

JENSEN
401 GAIL STREET
EHR-0510-301
SAMPLE COLLECTED FROM IRRIGATION
SPIGOT NEAR FORMER GARDEN PLOT
PAUL JENSEN PRESENT. RAW SAMPLE
SLIGHTLY TURBID COMPARED TO R.O. WATER

ph	6.63 SU
CONDUCTIVITY	651 umhos/cm
D.O.	5.77 mg/L
TEMP.	11.1°C

DUEL
3. GAIL STREET
EHR-0510-302
SAMPLE COLLECTED FROM NORTH SIDE SPIGOT
ATTACHED TO HOUSE

ph	6.68 SU
CONDUCTIVITY	256 umhos/cm
D.O	6.65 mg/L
TEMP	7.7°C

CARLSON
EHR-0510-303
1 GAIL STREET
SAMPLE COLLECTED FROM NORTH FACING
SPIGOT ATTACHED TO HOME

ph	6.59 SU
CONDUCTIVITY	247 umhos/cm
D.O	9.42 mg/L
TEMP	7.3°C

MOSIER
105 GAIL STREET
EHR-0510-304
SAMPLE COLLECTED FROM NORTH FACING SPIG
ATTACHED TO HOME NEAR GARAGE

ph	6.41 SU
CONDUCTIVITY	246 umhos/cm
D.O.	6.15 mg/L
TEMP	9.8°C

CITY OF EAST HELENA WELL NO. 1
STEVE LEITZKE PRESENT. PUMP WAS NOT
OPERATING UPON ARRIVAL SO MR. LEITZKE
STARTED, SAMPLE COLLECTED FROM STAINL
STEEL SPIGOT ATTACHED TO MAIN PIPE

ph	6.82 SU
CONDUCTIVITY	240 umhos/cm
D.O	6.96 mg/L
TEMP.	9.5°C

EHR-0510-305

CITY OF EAST HELENA WELL NO. 2

BILL CASCA REPORTED THAT PUMP WAS BAD ORDER. NO SAMPLE COLLECTED.

CITY OF EAST HELENA WELL NO. 3

STEVE LEITZKE PRESENT DURING SAMPLE COLLECTION, SAMPLE COLLECTED FROM STAINLESS STEEL SPIGOT ATTACHED TO MAIN DISTRIBUTION PIPE.

EHR-0510-306

ph	6.85 SU
CONDUCTIVITY	227 umhos/cm
D.O.	8.10 mg/L
TEMP	TEMP 8.8°C

MASER FORMERLY TAMOL

9 GAIL STREET

EHR-0510-307

SAMPLE COLLECTED FROM SOUTH SIDE HOSE SPIGOT ATTACHED TO HOUSE

ph	6.85 SU
CONDUCTIVITY	250 umhos/cm
D.O.	7.62 mg/L
TEMP	9.2°C

NORDSTRAM

EHR-0510-308

109 GAIL STREET

FIRST SEASONAL SAMPLE COLLECTED AFTER IRRIGATION SYSTEM REACTIVATED

ph	7.05 SU
CONDUCTIVITY	256 umhos/cm
D.O	8.21 mg/L
TEMP	[illegible]

WARCUM

303 THURMAN AVENUE

EHR-0510-309

SAMPLE COLLECTED FROM EAST SIDE SPIGOT ATTACHED TO HOME

ph	6.91 SU
CONDUCTIVITY	309 umhos/cm
D.O.	8.24 mg/L
TEMP	10.1°C

PELE TRAILER WELL NO 1

EHR-0510-310

BRIAN PAIKOVICH PRESENT DURING THE SAMPLING. HE ISOLATED THE WELL NO. 1 PUMP, WHICH HE DESCRIBED AS A 10 HP UNIT

ph	6.86 SU
CONDUCTIVITY	236 umhos/cm
D.O	9.68 mg/L
TEMP	9.0°C

PELE TRAILER WELL NO. 2

EHR-0510-311

BRIAN PAIKOVICH ISOLATED PUMP NO. 1 FROM PUMP NO. 2 BEFORE COLLECTING SAMPLE FROM STAINLESS STEEL SPIGOT, 3 HP PUMP

ph	7.05 SU
CONDUCTIVITY	208 umhos/cm
D.O	9.34 mg/L
TEMP	8.7°C

[HELFERT]
407 PONTAE
EHR-0510-312 ORIGINAL
EHR-0510-313 DUPLICATE
SAMPLE COLLECTED FROM NORTH
FACING SPIGOT ATTACHED TO HOUSE

ph	7.34 SU
CONDUCTIVITY	553 umhos/cm
D.O.	7.47 mg/l
TEMP	10.4°C

FIELD BLANK
EHR-0510-300

SCOTT ST. CLAIR
107 E. Groschell
SCOTT ST. CLAIR REFUSED MY REQUEST
TO SAMPLE THE IRRIGATION WELL
AT 107 E. GROSCHELL

APPENDIX 3

CHAIN OF CUSTODIES

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: MONTANA ENVIRONMENTAL TRUST GROUP	Project Name, PWS, Permit, Etc. ANNUAL LONG-TERM RI/FS RESIDENTIAL MONITORING - MAY 2010	Sample Origin State: MT	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: JON NICKEL P.O. BOX 1230 EAST HELENA, MT 59635	Contact Name: JON NICKEL Phone/Fax: 227-4529	Email:	Sampler: (Please Print) NICKEL
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

RUSH: Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: hand

Cooler ID(s):

Receipt Temp 5.9 °C

On Ice: Yes (No)

Custody Seal Y (N)

Bottles/Coolers B C

Intact Y N

Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	COMMON IONS	PHYSICAL PARAMETERS	METALS							SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments
1 EHR-0510-300 RAW	5/5/2010	3:40PM	GW	X	X								X	X		
2 EHR-0510-300 METAL		3:40PM				X										
3 EHR-0510-301 RAW		8:10		X	X											
4 EHR-0510-301 METAL		8:10				X										
5 EHR-0510-302 RAW		8:40		X	X											
6 EHR-0510-302 METAL		8:40				X										
7 EHR-0510-303 RAW		9:15		X	X											
8 EHR-0510-303 METAL		9:15				X										
9 EHR-0510-304 RAW		9:40		X	X											
10 EHR-0510-304 METAL		9:40				X										

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): JON NICKEL	Date/Time: 5/5/2010 1600	Signature:	Received by (print): / Date/Time: / Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print): / Date/Time: / Signature:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory: TERRANIA JENKINS / Date/Time: 5.5.10 15:42 / Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: MONTANA ENVIRONMENTAL TRUST GROUP	Project Name, PWS, Permit, Etc. ANNUAL LONG-TERM RI/FS RESIDENTIAL MONITORING - MAY 2010	Sample Origin State: MT	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: JON NICKEL P.O. BOX 1230 EAST HELENA, MT. 59635	Contact Name: JON NICKEL Phone/Fax: 227-4529	Email:	Sampler: (Please Print) NICKEL
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: [illegible]
Cooler ID(s):
Receipt Temp: 8.0 °C
On Ice: Yes (No)
Custody Seal Y (N)
Bottles/Coolers B C
Intact Y N
Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Common Ions	Physical Parameters	Metals							SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments
1 EHR-0510-305 RAW	5/5/2010	10:10	GW	X	X											
2 EHR-0510-305 METAL		10:10				X										
3 EHR-0510-306 RAW		10:35		X	X											
4 EHR-0510-306 METAL		10:35				X										
5 EHR-0510-307 RAW		11:05		X	X											
6 EHR-0510-307 METAL		11:05				X										
7 EHR-0510-308 RAW		11:35		X	X											
8 EHR-0510-308 METAL		11:35				X										
9 EHR-0510-309 RAW		12:05		X	X											
10 EHR-0510-309 METAL		12:05				X										

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
JON NICKEL	5/5/2010/1600	[signature]			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory: [illegible]	Date/Time: 5.10 15:55	Signature: [signature]

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: MONTANA ENVIRONMENTAL TRUST GROUP	Project Name, PWS, Permit, Etc. ANNUAL LONG-TERM RI/FS RESIDENTIAL MONITORING - MAY 2010	Sample Origin State: MT	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: JON NICKEL P.O. BOX 1230 EAST HELENA, MT 59635	Contact Name: JON NICKEL Phone/Fax: 227-4529	Email:	Sampler: (Please Print) NICKEL
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

- ☐ DW
- ☐ GSA
- ☐ POTW/WWTP
- ☐ State: _____
- ☐ Other: _____
- ☐ A2LA
- ☐ EDD/EDT (Electronic Data) Format: _____
- ☐ LEVEL IV
- ☐ NELAC

Number of Containers
Sample Type: A W S V B O
Air Water Soils/Solids
Vegetation Bioassay Other

ANALYSIS REQUESTED

RUSH

Contact ELI prior to **RUSH** sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: [signature]
Cooler ID(s):
Receipt Temp. 8.9 °C
On Ice: Yes No
Custody Seal Y N
Bottles/Coolers B C
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	COMMON IONS	PHYSICAL PARAMETERS	METALS							SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments
1	EHR-0510-310 RAW	5/5/2010	1:45pm	GW	X	X								X	X		
2	EHR-0510-310 METAL		1:45pm				X										
3	EHR-0510-311 RAW		2:15pm		X	X											
4	EHR-0510-311 METAL		2:15pm				X										
5	EHR-0510-312 RAW		2:45pm		X	X											
6	EHR-0510-312 METAL		2:45pm				X										
7	EHR-0510-313 RAW		3:10pm		X	X											
8	EHR-0510-313 METAL		3:10pm				X										
9																	
10																	

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
JON NICKEL	5/5/2010 1600	[signature]			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: [signature]	Date/Time: 5.5.10 14:55	Signature: [signature]

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

TABLE 3. SEMI-ANNUAL/ANNUAL RESIDENTIAL/CAMU MONITORING PROGRAMS – GROUNDWATER AND SURFACE WATER PARAMETER LIST

Parameter	Analytical Technique	Analytical Method	Project Detection Limit (mg/L)
Physical Parameters			
PH	PH Meter	SM 4500H-B	
Specific Conductivity	SC Meter	SM 2510 B	
TDS	Gravimetric	SM 2540C	10
TSS	Gravimetric	SM 2540D	10
Common Ions			
Alkalinity	Titrimetric	SM 2320 B	1
Bicarbonate	Titrimetric	SM 2320 B	1
Sulfate	Turbidimetric	SM 4500SO4 E	1
Chloride	Colorimetric	SM 4500 CL C	1
Calcium	ICP	200.7	5
Magnesium	ICP	200.7	5
Sodium	ICP	200.7	5
Potassium	ICP	200.7	5
Arsenic and Metals (Groundwater –Dissolved. Surface Water Dissolved and Total)			
Arsenic	ICP/ICP-MS	200.7/200.8	0.002
Cadmium	ICP/ICP-MS	200.7/200.8	0.001
Copper	ICP/ICP-MS	200.7/200.8	0.001
Iron	ICP/ICP-MS	200.7/200.8	0.02
Manganese	ICP/ICP-MS	200.7/200.8	0.01
Lead	ICP/ICP-MS	200.7/200.8	0.005
Selenium	ICP/ICP-MS	200.7/200.8	0.001
Zinc	ICP/ICP-MS	200.7/200.8	0.02
Supplemental Trace Metals (Groundwater –Dissolved. Surface water Dissolved and Total)			
Aluminum	ICP/ICP-MS	200.7/200.8	0.1
Antimony	ICP/ICP-MS	200.7/200.8	0.003
Barium	ICP/ICP-MS	200.7/200.8	0.1
Beryllium	ICP/ICP-MS	200.7/200.8	0.001
Chromium	ICP/ICP-MS	200.7/200.8	0.001
Cobalt	ICP/ICP-MS	200.7/200.8	0.01
Gold	ICP/ICP-MS	200.7/200.8	0.01
Mercury	ICP/ICP-MS	200.8/E245.1	0.001
Nickel	ICP/ICP-MS	200.7/200.8	0.01
Silver	ICP/ICP-MS	200.7/200.8	0.005
Tellurium	ICP/ICP-MS	200.7/200.8	0.1
Thallium	ICP/ICP-MS	200.7/200.8	0.001
Vanadium	ICP/ICP-MS	200.7/200.8	0.01
Field Parameters			
SWL	Electric Tape	HF-SOP-10	0.01 ft
Temperature	PH Meter	HF-SOP-20	NA
Dissolved Oxygen (DO)	DO Meter	HF-SOP-22	NA
PH	pH Meter	HF-SOP-20	NA
Specific Conductivity (SC)	SC Meter	HF-SOP-79	NA

APPENDIX 4

LABORATORY REPORT

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

ANALYTICAL SUMMARY REPORT

May 18, 2010

Jon Nickel
Montana Environmental Custodial Trust
PO Box 1230
E. Helena, MT 59635-1230

Workorder No.: H10050078 Quote ID: H493 - All Water Sampling combined

Project Name: Annual Long-Term RI/FS Res. Monitoring - May 2010

Energy Laboratories Inc received the following 14 samples for Montana Environmental Custodial Trust on 5/5/2010 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H10050078-001	EHR-0510-300	05/05/10 15:40	05/05/10	Groundwater	Metals by ICP/ICPMS, Dissolved Alkalinity Conductivity Anions by Ion Chromatography pH Preparation for TDS Preparation for TSS Solids, Total Dissolved Solids, Total Suspended
H10050078-002	EHR-0510-301	05/05/10 8:10	05/05/10	Groundwater	Same As Above
H10050078-003	EHR-0510-302	05/05/10 8:40	05/05/10	Groundwater	Same As Above
H10050078-004	EHR-0510-303	05/05/10 9:15	05/05/10	Groundwater	Same As Above
H10050078-005	EHR-0510-304	05/05/10 9:40	05/05/10	Groundwater	Same As Above
H10050078-006	EHR-0510-305	05/05/10 10:10	05/05/10	Groundwater	Same As Above
H10050078-007	EHR-0510-306	05/05/10 10:35	05/05/10	Groundwater	Same As Above
H10050078-008	EHR-0510-307	05/05/10 11:05	05/05/10	Groundwater	Same As Above
H10050078-009	EHR-0510-308	05/05/10 11:35	05/05/10	Groundwater	Same As Above
H10050078-010	EHR-0510-309	05/05/10 12:05	05/05/10	Groundwater	Same As Above
H10050078-011	EHR-0510-310	05/05/10 13:45	05/05/10	Groundwater	Same As Above
H10050078-012	EHR-0510-311	05/05/10 14:15	05/05/10	Groundwater	Same As Above
H10050078-013	EHR-0510-312	05/05/10 14:45	05/05/10	Groundwater	Same As Above
H10050078-014	EHR-0510-313	05/05/10 15:10	05/05/10	Groundwater	Same As Above

Any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

The results as reported relate only to the item(s) submitted for testing.

If you have any questions regarding these test results, please call.

Report Approved By: Assistant Laboratory Manager - Helena

Digitally signed by
Jon Hager
Date: 2010.05.19 11:12:09 -06:00

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-300
Lab ID: H10050078-001
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 15:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	5.5	s.u.		0.1		A4500-H B	05/06/10 18:11 / hm		MAN-TECH_100506A	17	R62131
Conductivity	ND	umhos/cm		1		A2510 B	05/06/10 18:11 / hm		MAN-TECH_100506A	16	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	33	8701
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		10		A2540 C	05/06/10 15:00 / hm	05/06/10 14:22	J-124 (14410200)_100506B	6	8705
INORGANICS											
Alkalinity, Total as CaCO3	ND	mg/L		1		A2320 B	05/06/10 18:11 / hm		MAN-TECH_100506A	15	R62131
Bicarbonate as HCO3	ND	mg/L		1		A2320 B	05/06/10 18:11 / hm		MAN-TECH_100506A	15	R62131
Chloride	ND	mg/L		1		E300.0	05/07/10 20:42 / hm		IC101-H_100507A	13	R62191
Sulfate	ND	mg/L		1		E300.0	05/07/10 20:42 / hm		IC101-H_100507A	13	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Calcium	ND	mg/L		1		E200.7	05/10/10 13:15 / sld		ICP1-HE_100510A	70	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Copper	ND	mg/L		0.001		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 10:36 / sld		ICP1-HE_100510A	19	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 10:36 / sld		ICP1-HE_100510A	19	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Magnesium	ND	mg/L		1		E200.7	05/10/10 10:36 / sld		ICP1-HE_100510A	19	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 16:30 / dck		ICPMS204-B_100513A	38	R62306
Potassium	ND	mg/L		1		E200.7	05/10/10 10:36 / sld		ICP1-HE_100510A	19	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-300
Lab ID: H10050078-001
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 15:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	ND	mg/L		1		E200.7	05/10/10 18:49 / sld		ICP1-HE_100510B	19	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 18:49 / sld		ICP1-HE_100510B	19	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 20:00 / dck		ICPMS204-B_100506B	20	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-301
Lab ID: H10050078-002
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.6	s.u.		0.1		A4500-H B	05/06/10 18:18 / hm		MAN-TECH_100506A	20	R62131
Conductivity	744	umhos/cm		1		A2510 B	05/06/10 18:18 / hm		MAN-TECH_100506A	19	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	34	8701
Solids, Total Dissolved TDS @ 180 C	545	mg/L		10		A2540 C	05/06/10 15:01 / hm	05/06/10 14:22	J-124 (14410200)_100506B	7	8705
INORGANICS											
Alkalinity, Total as CaCO3	120	mg/L		1		A2320 B	05/06/10 18:18 / hm		MAN-TECH_100506A	18	R62131
Bicarbonate as HCO3	150	mg/L		1		A2320 B	05/06/10 18:18 / hm		MAN-TECH_100506A	18	R62131
Chloride	26	mg/L		1		E300.0	05/07/10 20:59 / hm		IC101-H_100507A	14	R62191
Sulfate	220	mg/L		1		E300.0	05/07/10 20:59 / hm		IC101-H_100507A	14	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Arsenic	0.003	mg/L		0.002		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Calcium	96	mg/L		1		E200.7	05/10/10 13:18 / sld		ICP1-HE_100510A	71	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Copper	0.004	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Iron	0.18	mg/L		0.02		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Magnesium	21	mg/L		1		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Manganese	0.02	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 16:51 / dck		ICPMS204-B_100513A	42	R62306
Potassium	6	mg/L		1		E200.7	05/10/10 10:39 / sld		ICP1-HE_100510A	20	R62196
Selenium	0.024	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-301
Lab ID: H10050078-002
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	24	mg/L		1		E200.7	05/10/10 18:52 / sld		ICP1-HE_100510B	20	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 18:52 / sld		ICP1-HE_100510B	20	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136
Zinc	0.04	mg/L		0.01		E200.8	05/06/10 20:21 / dck		ICPMS204-B_100506B	24	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-302
Lab ID: H10050078-003
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 18:41 / hm		MAN-TECH_100506A	27	R62131
Conductivity	287	umhos/cm		1		A2510 B	05/06/10 18:41 / hm		MAN-TECH_100506A	26	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	35	8701
Solids, Total Dissolved TDS @ 180 C	193	mg/L		10		A2540 C	05/06/10 15:01 / hm	05/06/10 14:22	J-124 (14410200)_100506B	8	8705
INORGANICS											
Alkalinity, Total as CaCO3	78	mg/L		1		A2320 B	05/06/10 18:41 / hm		MAN-TECH_100506A	25	R62131
Bicarbonate as HCO3	95	mg/L		1		A2320 B	05/06/10 18:41 / hm		MAN-TECH_100506A	25	R62131
Chloride	5	mg/L		1		E300.0	05/07/10 21:48 / hm		IC101-H_100507A	17	R62191
Sulfate	56	mg/L		1		E300.0	05/07/10 21:48 / hm		IC101-H_100507A	17	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Calcium	29	mg/L		1		E200.7	05/10/10 13:27 / sld		ICP1-HE_100510A	74	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Copper	0.023	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 16:56 / dck		ICPMS204-B_100513A	43	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 10:48 / sld		ICP1-HE_100510A	23	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-302
Lab ID: H10050078-003
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 08:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	14	mg/L		1		E200.7	05/10/10 18:55 / sld		ICP1-HE_100510B	21	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 18:55 / sld		ICP1-HE_100510B	21	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 20:47 / dck		ICPMS204-B_100506B	29	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-303
Lab ID: H10050078-004
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 18:48 / hm		MAN-TECH_100506A	30	R62131
Conductivity	276	umhos/cm		1		A2510 B	05/06/10 18:48 / hm		MAN-TECH_100506A	29	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	36	8701
Solids, Total Dissolved TDS @ 180 C	185	mg/L		10		A2540 C	05/06/10 15:01 / hm	05/06/10 14:22	J-124 (14410200)_100506B	9	8705
INORGANICS											
Alkalinity, Total as CaCO3	76	mg/L		1		A2320 B	05/06/10 18:48 / hm		MAN-TECH_100506A	28	R62131
Bicarbonate as HCO3	93	mg/L		1		A2320 B	05/06/10 18:48 / hm		MAN-TECH_100506A	28	R62131
Chloride	5	mg/L		1		E300.0	05/11/10 19:20 / hm		IC101-H_100511A	6	R62231
Sulfate	52	mg/L		1		E300.0	05/11/10 19:20 / hm		IC101-H_100511A	6	R62231
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Calcium	31	mg/L		1		E200.7	05/10/10 13:30 / sld		ICP1-HE_100510A	75	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Copper	0.072	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Iron	0.05	mg/L		0.02		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:22 / dck		ICPMS204-B_100513A	48	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 10:57 / sld		ICP1-HE_100510A	26	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-303
Lab ID: H10050078-004
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	14	mg/L		1		E200.7	05/10/10 18:58 / sld		ICP1-HE_100510B	22	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 18:58 / sld		ICP1-HE_100510B	22	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 20:52 / dck		ICPMS204-B_100506B	30	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-304
Lab ID: H10050078-005
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 19:01 / hm		MAN-TECH_100506A	36	R62131
Conductivity	279	umhos/cm		1		A2510 B	05/06/10 19:01 / hm		MAN-TECH_100506A	35	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:23 / hm	05/06/10 14:18	-124 (14410200)_100506A	37	8701
Solids, Total Dissolved TDS @ 180 C	192	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	10	8705
INORGANICS											
Alkalinity, Total as CaCO3	83	mg/L		1		A2320 B	05/06/10 19:01 / hm		MAN-TECH_100506A	34	R62131
Bicarbonate as HCO3	100	mg/L		1		A2320 B	05/06/10 19:01 / hm		MAN-TECH_100506A	34	R62131
Chloride	4	mg/L		1		E300.0	05/07/10 22:54 / hm		IC101-H_100507A	20	R62191
Sulfate	49	mg/L		1		E300.0	05/07/10 22:54 / hm		IC101-H_100507A	20	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Calcium	30	mg/L		1		E200.7	05/10/10 13:33 / sld		ICP1-HE_100510A	76	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Copper	0.028	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:27 / dck		ICPMS204-B_100513A	49	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:00 / sld		ICP1-HE_100510A	27	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-304
Lab ID: H10050078-005
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 09:40 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	14	mg/L		1		E200.7	05/10/10 19:14 / sld		ICP1-HE_100510B	27	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:14 / sld		ICP1-HE_100510B	27	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 20:57 / dck		ICPMS204-B_100506B	31	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-305
Lab ID: H10050078-006
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 10:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 19:07 / hm		MAN-TECH_100506A	39	R62131
Conductivity	265	umhos/cm		1		A2510 B	05/06/10 19:07 / hm		MAN-TECH_100506A	38	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:24 / hm	05/06/10 14:18	-124 (14410200)_100506A	38	8701
Solids, Total Dissolved TDS @ 180 C	179	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	12	8705
INORGANICS											
Alkalinity, Total as CaCO3	75	mg/L		1		A2320 B	05/06/10 19:07 / hm		MAN-TECH_100506A	37	R62131
Bicarbonate as HCO3	91	mg/L		1		A2320 B	05/06/10 19:07 / hm		MAN-TECH_100506A	37	R62131
Chloride	5	mg/L		1		E300.0	05/07/10 23:10 / hm		IC101-H_100507A	21	R62191
Sulfate	48	mg/L		1		E300.0	05/07/10 23:10 / hm		IC101-H_100507A	21	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Calcium	29	mg/L		1		E200.7	05/10/10 13:36 / sld		ICP1-HE_100510A	77	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Copper	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:32 / dck		ICPMS204-B_100513A	50	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:03 / sld		ICP1-HE_100510A	28	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-305
Lab ID: H10050078-006
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 10:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	12	mg/L		1		E200.7	05/10/10 19:17 / sld		ICP1-HE_100510B	28	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:17 / sld		ICP1-HE_100510B	28	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:02 / dck		ICPMS204-B_100506B	32	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-306
Lab ID: H10050078-007
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 10:35 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.7	s.u.		0.1		A4500-H B	05/06/10 19:14 / hm		MAN-TECH_100506A	42	R62131
Conductivity	255	umhos/cm		1		A2510 B	05/06/10 19:14 / hm		MAN-TECH_100506A	41	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:24 / hm	05/06/10 14:18	-124 (14410200)_100506A	39	8701
Solids, Total Dissolved TDS @ 180 C	172	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	13	8705
INORGANICS											
Alkalinity, Total as CaCO3	75	mg/L		1		A2320 B	05/06/10 19:14 / hm		MAN-TECH_100506A	40	R62131
Bicarbonate as HCO3	91	mg/L		1		A2320 B	05/06/10 19:14 / hm		MAN-TECH_100506A	40	R62131
Chloride	4	mg/L		1		E300.0	05/07/10 23:26 / hm		IC101-H_100507A	22	R62191
Sulfate	45	mg/L		1		E300.0	05/07/10 23:26 / hm		IC101-H_100507A	22	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Calcium	28	mg/L		1		E200.7	05/10/10 14:40 / sld		ICP1-HE_100510A	80	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Copper	0.001	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Magnesium	6	mg/L		1		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:37 / dck		ICPMS204-B_100513A	51	R62306
Potassium	2	mg/L		1		E200.7	05/10/10 11:06 / sld		ICP1-HE_100510A	29	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-306
Lab ID: H10050078-007
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 10:35 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/10/10 19:20 / sld		ICP1-HE_100510B	29	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:20 / sld		ICP1-HE_100510B	29	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:08 / dck		ICPMS204-B_100506B	33	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-307
Lab ID: H10050078-008
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.6	s.u.		0.1		A4500-H B	05/06/10 19:20 / hm		MAN-TECH_100506A	45	R62131
Conductivity	282	umhos/cm		1		A2510 B	05/06/10 19:20 / hm		MAN-TECH_100506A	44	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:24 / hm	05/06/10 14:18	-124 (14410200)_100506A	40	8701
Solids, Total Dissolved TDS @ 180 C	187	mg/L		10		A2540 C	05/06/10 15:02 / hm	05/06/10 14:22	-124 (14410200)_100506B	14	8705
INORGANICS											
Alkalinity, Total as CaCO3	81	mg/L		1		A2320 B	05/06/10 19:20 / hm		MAN-TECH_100506A	43	R62131
Bicarbonate as HCO3	98	mg/L		1		A2320 B	05/06/10 19:20 / hm		MAN-TECH_100506A	43	R62131
Chloride	5	mg/L		1		E300.0	05/07/10 23:43 / hm		IC101-H_100507A	23	R62191
Sulfate	51	mg/L		1		E300.0	05/07/10 23:43 / hm		IC101-H_100507A	23	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Calcium	31	mg/L		1		E200.7	05/10/10 14:43 / sld		ICP1-HE_100510A	81	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Copper	0.060	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:43 / dck		ICPMS204-B_100513A	52	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:10 / sld		ICP1-HE_100510A	30	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-307
Lab ID: H10050078-008
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/10/10 19:23 / sld		ICP1-HE_100510B	30	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:23 / sld		ICP1-HE_100510B	30	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:13 / dck		ICPMS204-B_100506B	34	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-308
Lab ID: H10050078-009
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:35 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/06/10 19:45 / hm		MAN-TECH_100506A	54	R62131
Conductivity	283	umhos/cm		1		A2510 B	05/06/10 19:45 / hm		MAN-TECH_100506A	53	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:27 / hm	05/06/10 14:18	-124 (14410200)_100506A	41	8701
Solids, Total Dissolved TDS @ 180 C	192	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	15	8705
INORGANICS											
Alkalinity, Total as CaCO3	81	mg/L		1		A2320 B	05/06/10 19:45 / hm		MAN-TECH_100506A	52	R62131
Bicarbonate as HCO3	99	mg/L		1		A2320 B	05/06/10 19:45 / hm		MAN-TECH_100506A	52	R62131
Chloride	4	mg/L		1		E300.0	05/08/10 00:32 / hm		IC101-H_100507A	26	R62191
Sulfate	52	mg/L		1		E300.0	05/08/10 00:32 / hm		IC101-H_100507A	26	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Calcium	33	mg/L		1		E200.7	05/10/10 14:46 / sld		ICP1-HE_100510A	82	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Copper	0.002	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:48 / dck		ICPMS204-B_100513A	53	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:13 / sld		ICP1-HE_100510A	31	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-308
Lab ID: H10050078-009
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 11:35 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	13	mg/L		1		E200.7	05/10/10 19:26 / sld		ICP1-HE_100510B	31	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:26 / sld		ICP1-HE_100510B	31	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:18 / dck		ICPMS204-B_100506B	35	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-309
Lab ID: H10050078-010
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 12:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.6	s.u.		0.1		A4500-H B	05/06/10 19:52 / hm		MAN-TECH_100506A	57	R62131
Conductivity	352	umhos/cm		1		A2510 B	05/06/10 19:52 / hm		MAN-TECH_100506A	56	R62131
Solids, Total Suspended TSS @ 105 C	13	mg/L		10		A2540 D	05/06/10 15:27 / hm	05/06/10 14:18	-124 (14410200)_100506A	42	8701
Solids, Total Dissolved TDS @ 180 C	230	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	16	8705
INORGANICS											
Alkalinity, Total as CaCO3	92	mg/L		1		A2320 B	05/06/10 19:52 / hm		MAN-TECH_100506A	55	R62131
Bicarbonate as HCO3	110	mg/L		1		A2320 B	05/06/10 19:52 / hm		MAN-TECH_100506A	55	R62131
Chloride	7	mg/L		1		E300.0	05/08/10 00:48 / hm		IC101-H_100507A	27	R62191
Sulfate	69	mg/L		1		E300.0	05/08/10 00:48 / hm		IC101-H_100507A	27	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Calcium	31	mg/L		1		E200.7	05/10/10 14:49 / sld		ICP1-HE_100510A	83	R62196
Chromium	0.001	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Copper	0.005	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Magnesium	7	mg/L		1		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:53 / dck		ICPMS204-B_100513A	54	R62306
Potassium	6	mg/L		1		E200.7	05/10/10 11:16 / sld		ICP1-HE_100510A	32	R62196
Selenium	0.004	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-309
Lab ID: H10050078-010
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 12:05 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	28	mg/L		1		E200.7	05/10/10 19:29 / sld		ICP1-HE_100510B	32	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:29 / sld		ICP1-HE_100510B	32	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:23 / dck		ICPMS204-B_100506B	36	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-310
Lab ID: H10050078-011
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 13:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/06/10 20:15 / hm		MAN-TECH_100506A	64	R62131
Conductivity	256	umhos/cm		1		A2510 B	05/06/10 20:15 / hm		MAN-TECH_100506A	63	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 16:34 / hm	05/06/10 14:18	-124 (14410200)_100506A	44	8701
Solids, Total Dissolved TDS @ 180 C	175	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	17	8705
INORGANICS											
Alkalinity, Total as CaCO3	77	mg/L		1		A2320 B	05/06/10 20:15 / hm		MAN-TECH_100506A	62	R62131
Bicarbonate as HCO3	93	mg/L		1		A2320 B	05/06/10 20:15 / hm		MAN-TECH_100506A	62	R62131
Chloride	3	mg/L		1		E300.0	05/08/10 01:05 / hm		IC101-H_100507A	28	R62191
Sulfate	45	mg/L		1		E300.0	05/08/10 01:05 / hm		IC101-H_100507A	28	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Calcium	29	mg/L		1		E200.7	05/10/10 14:52 / sld		ICP1-HE_100510A	84	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Copper	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Magnesium	6	mg/L		1		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 17:58 / dck		ICPMS204-B_100513A	55	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:19 / sld		ICP1-HE_100510A	33	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-310
Lab ID: H10050078-011
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 13:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	12	mg/L		1		E200.7	05/10/10 19:32 / sld		ICP1-HE_100510B	33	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:32 / sld		ICP1-HE_100510B	33	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 21:28 / dck		ICPMS204-B_100506B	37	R62136

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-311
Lab ID: H10050078-012
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.8	s.u.		0.1		A4500-H B	05/06/10 20:21 / hm		MAN-TECH_100506A	67	R62131
Conductivity	238	umhos/cm		1		A2510 B	05/06/10 20:21 / hm		MAN-TECH_100506A	66	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:28 / hm	05/06/10 14:18	-124 (14410200)_100506A	45	8701
Solids, Total Dissolved TDS @ 180 C	158	mg/L		10		A2540 C	05/06/10 15:03 / hm	05/06/10 14:22	-124 (14410200)_100506B	18	8705
INORGANICS											
Alkalinity, Total as CaCO3	73	mg/L		1		A2320 B	05/06/10 20:21 / hm		MAN-TECH_100506A	65	R62131
Bicarbonate as HCO3	89	mg/L		1		A2320 B	05/06/10 20:21 / hm		MAN-TECH_100506A	65	R62131
Chloride	4	mg/L		1		E300.0	05/08/10 01:21 / hm		IC101-H_100507A	29	R62191
Sulfate	39	mg/L		1		E300.0	05/08/10 01:21 / hm		IC101-H_100507A	29	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Calcium	28	mg/L		1		E200.7	05/10/10 14:55 / sld		ICP1-HE_100510A	85	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Copper	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Iron	0.03	mg/L		0.02		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Magnesium	6	mg/L		1		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 18:42 / dck		ICPMS204-B_100513A	63	R62306
Potassium	2	mg/L		1		E200.7	05/10/10 11:22 / sld		ICP1-HE_100510A	34	R62196
Selenium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-311
Lab ID: H10050078-012
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:15 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	11	mg/L		1		E200.7	05/10/10 19:35 / sld		ICP1-HE_100510B	34	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:35 / sld		ICP1-HE_100510B	34	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 22:10 / dck		ICPMS204-B_100506B	45	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-312
Lab ID: H10050078-013
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.9	s.u.		0.1		A4500-H B	05/06/10 20:34 / hm		MAN-TECH_100506A	73	R62131
Conductivity	638	umhos/cm		1		A2510 B	05/06/10 20:34 / hm		MAN-TECH_100506A	72	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:28 / hm	05/06/10 14:18	-124 (14410200)_100506A	46	8701
Solids, Total Dissolved TDS @ 180 C	436	mg/L		10		A2540 C	05/06/10 15:04 / hm	05/06/10 14:22	-124 (14410200)_100506B	20	8705
INORGANICS											
Alkalinity, Total as CaCO3	130	mg/L		1		A2320 B	05/06/10 20:34 / hm		MAN-TECH_100506A	71	R62131
Bicarbonate as HCO3	160	mg/L		1		A2320 B	05/06/10 20:34 / hm		MAN-TECH_100506A	71	R62131
Chloride	12	mg/L		1		E300.0	05/08/10 01:38 / hm		IC101-H_100507A	30	R62191
Sulfate	180	mg/L		1		E300.0	05/08/10 01:38 / hm		IC101-H_100507A	30	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Calcium	84	mg/L		1		E200.7	05/10/10 15:05 / sld		ICP1-HE_100510A	88	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Copper	0.011	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Magnesium	19	mg/L		1		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 18:47 / dck		ICPMS204-B_100513A	64	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:37 / sld		ICP1-HE_100510A	39	R62196
Selenium	0.006	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-312
Lab ID: H10050078-013
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 14:45 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	22	mg/L		1		E200.7	05/10/10 19:38 / sld		ICP1-HE_100510B	35	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:38 / sld		ICP1-HE_100510B	35	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 22:15 / dck		ICPMS204-B_100506B	46	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-313
Lab ID: H10050078-014
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 15:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
PHYSICAL PROPERTIES											
pH	7.9	s.u.		0.1		A4500-H B	05/06/10 20:41 / hm		MAN-TECH_100506A	76	R62131
Conductivity	636	umhos/cm		1		A2510 B	05/06/10 20:41 / hm		MAN-TECH_100506A	75	R62131
Solids, Total Suspended TSS @ 105 C	ND	mg/L		10		A2540 D	05/06/10 15:29 / hm	05/06/10 14:25	-124 (14410200)_100506A	47	8701
Solids, Total Dissolved TDS @ 180 C	430	mg/L		10		A2540 C	05/06/10 15:04 / hm	05/06/10 14:22	-124 (14410200)_100506B	21	8705
INORGANICS											
Alkalinity, Total as CaCO3	130	mg/L		1		A2320 B	05/06/10 20:41 / hm		MAN-TECH_100506A	74	R62131
Bicarbonate as HCO3	160	mg/L		1		A2320 B	05/06/10 20:41 / hm		MAN-TECH_100506A	74	R62131
Chloride	12	mg/L		1		E300.0	05/08/10 01:54 / hm		IC101-H_100507A	31	R62191
Sulfate	180	mg/L		1		E300.0	05/08/10 01:54 / hm		IC101-H_100507A	31	R62191
METALS, DISSOLVED											
Aluminum	ND	mg/L		0.1		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Antimony	ND	mg/L		0.003		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Arsenic	ND	mg/L		0.002		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Barium	ND	mg/L		0.1		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Beryllium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Cadmium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Calcium	80	mg/L		1		E200.7	05/10/10 15:08 / sld		ICP1-HE_100510A	89	R62196
Chromium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Cobalt	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Copper	0.011	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Gold	ND	mg/L		0.01		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Iron	ND	mg/L		0.02		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Lead	ND	mg/L		0.005		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Magnesium	18	mg/L		1		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Manganese	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Mercury	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Nickel	ND	mg/L		0.01		E200.8	05/13/10 18:52 / dck		ICPMS204-B_100513A	65	R62306
Potassium	3	mg/L		1		E200.7	05/10/10 11:40 / sld		ICP1-HE_100510A	40	R62196
Selenium	0.006	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Silver	ND	mg/L		0.005		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136

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LABORATORY ANALYTICAL REPORT

Client: Montana Environmental Custodial Trust
Client Sample ID EHR-0510-313
Lab ID: H10050078-014
Matrix: Groundwater

Project: Annual Long-Term RI/FS Res. Monitoring - May 2010
Collection Date: 05/05/10 15:10 **DateReceived:** 05/05/10
Report Date: 05/18/10

Analyses	Result	Units	Qualifiers	RL	MDL	Method	Analysis Date / By	Prep Date	RunID	Run Order	BatchID
METALS, DISSOLVED											
Sodium	23	mg/L		1		E200.7	05/10/10 19:41 / sld		ICP1-HE_100510B	36	R62206
Tellurium	ND	mg/L		0.1		E200.7	05/10/10 19:41 / sld		ICP1-HE_100510B	36	R62206
Thallium	ND	mg/L		0.001		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Vanadium	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136
Zinc	ND	mg/L		0.01		E200.8	05/06/10 22:20 / dck		ICPMS204-B_100506B	47	R62136

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: 8701

Run ID :Run Order: **ACCU-124 (14410200)_100506A: 24** SampType: **Method Blank** Sample ID: **MB-8701** Method: **A2540 D**

Analysis Date: **05/06/10 15:20** Units: **mg/L** **Prep Info:** Prep Date: **5/5/2010** Prep Method: **A2540 D**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Suspended TSS @ 105 C	ND	1									

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **ACCU-124 (14410200)_100506A: 25** SampType: **Laboratory Control Sample** Sample ID: **LCS-8701** Method: **A2540 D**

Analysis Date: **05/06/10 15:21** Units: **mg/L** **Prep Info:** Prep Date: **5/5/2010** Prep Method: **A2540 D**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Suspended TSS @ 105 C	1780	10	2000		89	70	130				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **ACCU-124 (14410200)_100506A: 27** SampType: **Sample Duplicate** Sample ID: **H10050048-010ADUP** Method: **A2540 D**

Analysis Date: **05/06/10 15:22** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Suspended TSS @ 105 C	5.00	10						4		5	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **ACCU-124 (14410200)_100506A: 43** SampType: **Sample Duplicate** Sample ID: **H10050078-010ADUP** Method: **A2540 D**

Analysis Date: **05/06/10 16:33** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method: **A2540 D**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Suspended TSS @ 105 C	13.0	10						13		5	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: 8705

Run ID :Run Order: **ACCU-124 (14410200)_100506B: 1** SampType: **Method Blank** Sample ID: **MB-8705** Method: **A2540 C**

Analysis Date: **05/06/10 14:59** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	5	1									

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **ACCU-124 (14410200)_100506B: 2** SampType: **Laboratory Control Sample** Sample ID: **LCS-8705** Method: **A2540 C**

Analysis Date: **05/06/10 14:59** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	1970	10	2000	5	98	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **ACCU-124 (14410200)_100506B: 4** SampType: **Sample Duplicate** Sample ID: **H10050076-001ADUP** Method: **A2540 C**

Analysis Date: **05/06/10 15:00** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	58.0	10						60	3.4	5	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **ACCU-124 (14410200)_100506B: 11** SampType: **Sample Matrix Spike** Sample ID: **H10050078-005AMS** Method: **A2540 C**

Analysis Date: **05/06/10 15:02** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	2390	10	2000	192	110	80	120				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **ACCU-124 (14410200)_100506B: 19** SampType: **Sample Matrix Spike** Sample ID: **H10050078-012AMS** Method: **A2540 C**

Analysis Date: **05/06/10 15:04** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	2140	10	2000	158	99	80	120				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: 8705

Run ID :Run Order: **ACCU-124 (14410200)_100506B: 23** SampType: **Sample Duplicate** Sample ID: **H10050083-001ADUP** Method: **A2540 C**

Analysis Date: **05/06/10 15:05** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method: **A2540 C**

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Solids, Total Dissolved TDS @ 180 C	250	10						244	2.4	5	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62131

Date: *19-May-10*

Run ID :Run Order: **MAN-TECH_100506A: 3** SampType: **Method Blank** Sample ID: **MBLK** Method: **A2320 B**
Analysis Date: **05/06/10 17:42** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	ND	0.9									

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 6** SampType: **Laboratory Control Sample** Sample ID: **LCS** Method: **A2320 B**
Analysis Date: **05/06/10 17:52** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	590	4.0	600		98	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 21** SampType: **Sample Matrix Spike** Sample ID: **H10050078-002AMS** Method: **A2320 B**
Analysis Date: **05/06/10 18:27** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	770	4.0	600	122	108	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 23** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-002AMSD** Method: **A2320 B**
Analysis Date: **05/06/10 18:35** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	760	4.0	600	122	106	90	110	770.1	1.3	20	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 31** SampType: **Sample Duplicate** Sample ID: **H10050078-004ADUP** Method: **A2320 B**
Analysis Date: **05/06/10 18:54** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	77	4.0						76.48	0.5	20	
Bicarbonate as HCO3	94	4.0						93.3	0.5	20	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62131

Run ID :Run Order: **MAN-TECH_100506A: 50** SampType: **Laboratory Control Sample** Sample ID: **LCS** Method: **A2320 B**

Analysis Date: **05/06/10 19:39** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	590	4.0	600		98	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 58** SampType: **Sample Matrix Spike** Sample ID: **H10050078-010AMS** Method: **A2320 B**

Analysis Date: **05/06/10 20:00** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	740	4.0	600	91.63	108	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 60** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-010AMSD** Method: **A2320 B**

Analysis Date: **05/06/10 20:08** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	720	4.0	600	91.63	105	90	110	737.8	1.9	20	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 68** SampType: **Sample Duplicate** Sample ID: **H10050078-012ADUP** Method: **A2320 B**

Analysis Date: **05/06/10 20:28** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	74	4.0						72.99	0.7	20	
Bicarbonate as HCO3	90	4.0						89.04	0.7	20	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 85** SampType: **Laboratory Control Sample** Sample ID: **LCS** Method: **A2320 B**

Analysis Date: **05/06/10 21:08** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total as CaCO3	590	4.0	600		98	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62131

Date: *19-May-10*

Run ID :Run Order: **MAN-TECH_100506A: 1** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **A2510 B**
Analysis Date: **05/06/10 17:34** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	714	1.0	717.5		99	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 5** SampType: **Laboratory Control Sample** Sample ID: **LCS** Method: **A2510 B**
Analysis Date: **05/06/10 17:44** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	1400	1.0	1412		99	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 32** SampType: **Sample Duplicate** Sample ID: **H10050078-004ADUP** Method: **A2510 B**
Analysis Date: **05/06/10 18:54** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	276	1.0						276	0	10	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 46** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **A2510 B**
Analysis Date: **05/06/10 19:22** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	715	1.0	718		100	90	110				

Associated samples:

Run ID :Run Order: **MAN-TECH_100506A: 69** SampType: **Sample Duplicate** Sample ID: **H10050078-012ADUP** Method: **A2510 B**
Analysis Date: **05/06/10 20:28** Units: **umhos/cm** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Conductivity	240	1.0						238	0.8	10	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

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Run ID :Run Order: **MAN-TECH_100506A: 2** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **A4500-H B**

Analysis Date: **05/06/10 17:37** Units: **s.u.** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	6.99	0.10	7		100	99	101				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 33** SampType: **Sample Duplicate** Sample ID: **H10050078-004ADUP** Method: **A4500-H B**

Analysis Date: **05/06/10 18:54** Units: **s.u.** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.71	0.10						7.72	0.1	2	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 47** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **A4500-H B**

Analysis Date: **05/06/10 19:25** Units: **s.u.** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.01	0.10	7		100	99	101				

Associated samples: **H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **MAN-TECH_100506A: 70** SampType: **Sample Duplicate** Sample ID: **H10050078-012ADUP** Method: **A4500-H B**

Analysis Date: **05/06/10 20:28** Units: **s.u.** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.85	0.10						7.83	0.3	2	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-004A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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Date: *19-May-10*

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Run ID :Run Order: **ICPMS204-B_100506B: 8** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV STD** Method: **E200.8**

Analysis Date: **05/06/10 18:58** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.257	0.10	0.25		103	90	110				
Antimony	0.0495	0.050	0.05		99	90	110				
Arsenic	0.0510	0.0050	0.05		102	90	110				
Barium	0.0514	0.10	0.05		103	90	110				
Beryllium	0.0257	0.0010	0.025		103	90	110				
Cadmium	0.0264	0.0010	0.025		106	90	110				
Chromium	0.0520	0.010	0.05		104	90	110				
Cobalt	0.0526	0.010	0.05		105	90	110				
Copper	0.0528	0.010	0.05		106	90	110				
Lead	0.0513	0.010	0.05		103	90	110				
Manganese	0.256	0.010	0.25		102	90	110				
Mercury	0.00203	0.0010	0.002		101	90	110				
Selenium	0.0508	0.0050	0.05		102	90	110				
Silver	0.0249	0.0050	0.025		100	90	110				
Thallium	0.0522	0.10	0.05		104	90	110				
Vanadium	0.0514	0.10	0.05		103	90	110				
Zinc	0.0522	0.010	0.05		104	90	110				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100506B: 9** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.8**

Analysis Date: **05/06/10 19:03** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	41.3	0.10	40		103	70	130				
Antimony	0.000686	0.050									
Arsenic	7.20E-05	0.0050									
Barium	0.000346	0.10									
Beryllium	2.20E-05	0.0010									
Cadmium	0.000618	0.0010									
Chromium	0.00101	0.010									
Cobalt	0.00199	0.010									
Copper	0.00301	0.010									
Lead	0.000102	0.010									
Manganese	0.00245	0.010									

Qualifiers: ND - Not Detected at the Reporting Limit
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Run ID :Run Order: **ICPMS204-B_100506B: 9** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.8**

Analysis Date: **05/06/10 19:03** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	8.30E-05	0.0010									
Selenium	2.30E-05	0.0050									
Silver	0.000340	0.0050									
Thallium	3.60E-05	0.10									
Vanadium	0.000299	0.10									
Zinc	0.00207	0.010									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100506B: 10** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.8**

Analysis Date: **05/06/10 19:09** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	42.0	0.10	40		105	70	130				
Antimony	0.000308	0.050				0	0				
Arsenic	0.0115	0.0050	0.01		115	70	130				
Barium	0.000413	0.10				0	0				
Beryllium	1.30E-05	0.0010				0	0				
Cadmium	0.0113	0.0010	0.01		113	70	130				
Chromium	0.0230	0.010	0.02		115	70	130				
Cobalt	0.0242	0.010	0.02		121	70	130				
Copper	0.0246	0.010	0.02		123	70	130				
Lead	7.60E-05	0.010				0	0				
Manganese	0.0246	0.010	0.02		123	70	130				
Mercury	2.30E-05	0.0010				0	0				
Selenium	0.0111	0.0050	0.01		111	70	130				
Silver	0.0217	0.0050	0.02		109	70	130				
Thallium	1.80E-05	0.10				0	0				
Vanadium	0.0227	0.10	0.02		113	70	130				
Zinc	0.0128	0.010	0.01		128	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers: ND - Not Detected at the Reporting Limit
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N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Run ID :Run Order: **ICPMS204-B_100506B: 16** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.8**

Analysis Date: **05/06/10 19:40** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0002	0.0002									
Antimony	2E-05	1E-05									
Arsenic	ND	5E-05									
Barium	5E-05	2E-05									
Beryllium	ND	1E-05									
Cadmium	1E-05	1E-05									
Chromium	ND	5E-05									
Cobalt	ND	1E-05									
Copper	ND	4E-05									
Lead	ND	1E-05									
Manganese	3E-05	2E-05									
Mercury	ND	5E-06									
Selenium	ND	0.001									
Silver	0.0001	2E-05									
Thallium	ND	2E-05									
Vanadium	4E-05	3E-05									
Zinc	ND	0.0004									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100506B: 17** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.8**

Analysis Date: **05/06/10 19:45** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0493	0.10	0.05	0.000248	98	85	115				
Antimony	0.0505	0.050	0.05	0.000022	101	85	115				
Arsenic	0.0497	0.0050	0.05		99	85	115				
Barium	0.0498	0.10	0.05	0.0000467	99	85	115				
Beryllium	0.0493	0.0010	0.05		99	85	115				
Cadmium	0.0493	0.0010	0.05	0.0000108	99	85	115				
Chromium	0.0500	0.010	0.05		100	85	115				
Cobalt	0.0498	0.010	0.05		100	85	115				
Copper	0.0497	0.010	0.05		99	85	115				
Lead	0.0503	0.010	0.05		101	85	115				
Manganese	0.0510	0.010	0.05	0.0000265	102	85	115				

Qualifiers: ND - Not Detected at the Reporting Limit
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Run ID :Run Order: **ICPMS204-B_100506B: 17** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.8**

Analysis Date: **05/06/10 19:45** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00105	0.0010	0.001		105	85	115				
Selenium	0.0486	0.0050	0.05		97	85	115				
Silver	0.0199	0.0050	0.02	0.0001043	99	85	115				
Thallium	0.0500	0.10	0.05		100	85	115				
Vanadium	0.0502	0.10	0.05	0.0000382	100	85	115				
Zinc	0.0520	0.010	0.05		104	85	115				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100506B: 21** SampType: **Sample Matrix Spike** Sample ID: **H10050078-001BMS** Method: **E200.8**

Analysis Date: **05/06/10 20:05** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0499	0.10	0.05		100	70	130				
Antimony	0.0513	0.0050	0.05		103	70	130				
Arsenic	0.0504	0.0050	0.05		101	70	130				
Barium	0.0503	0.10	0.05		101	70	130				
Beryllium	0.0492	0.0010	0.05		98	70	130				
Cadmium	0.0501	0.0010	0.05		100	70	130				
Chromium	0.0500	0.010	0.05		100	70	130				
Cobalt	0.0504	0.010	0.05		101	70	130				
Copper	0.0504	0.010	0.05	0.0001114	101	70	130				
Lead	0.0509	0.010	0.05		102	70	130				
Manganese	0.0510	0.010	0.05	0.000194	102	70	130				
Mercury	0.00101	0.0010	0.001	0.0000076	100	70	130				
Selenium	0.0499	0.0050	0.05		100	70	130				
Silver	0.0196	0.0050	0.02	0.0000238	98	70	130				
Thallium	0.0510	0.0050	0.05		102	70	130				
Vanadium	0.0506	0.10	0.05	0.0000387	101	70	130				
Zinc	0.0529	0.010	0.05	0.001463	103	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62136

Date: *19-May-10*

Run ID :Run Order: **ICPMS204-B_100506B: 22** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-001BMSD** Method: **E200.8**

Analysis Date: **05/06/10 20:11** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0505	0.10	0.05		101	70	130	0.04994		20	
Antimony	0.0495	0.0050	0.05		99	70	130	0.0513	3.6	20	
Arsenic	0.0495	0.0050	0.05		99	70	130	0.05039	1.7	20	
Barium	0.0490	0.10	0.05		98	70	130	0.05032		20	
Beryllium	0.0493	0.0010	0.05		99	70	130	0.04916	0.3	20	
Cadmium	0.0492	0.0010	0.05		98	70	130	0.05007	1.8	20	
Chromium	0.0492	0.010	0.05		98	70	130	0.05003	1.7	20	
Cobalt	0.0492	0.010	0.05		98	70	130	0.05038	2.5	20	
Copper	0.0492	0.010	0.05	0.0001114	98	70	130	0.05041	2.4	20	
Lead	0.0502	0.010	0.05		100	70	130	0.05091	1.4	20	
Manganese	0.0506	0.010	0.05	0.000194	101	70	130	0.05099	0.8	20	
Mercury	0.00103	0.0010	0.001	0.0000076	103	70	130	0.00101	2.4	20	
Selenium	0.0496	0.0050	0.05		99	70	130	0.04985	0.4	20	
Silver	0.0194	0.0050	0.02	0.0000238	97	70	130	0.01961	1.1	20	
Thallium	0.0503	0.0050	0.05		101	70	130	0.05096	1.3	20	
Vanadium	0.0499	0.10	0.05	0.0000387	100	70	130	0.05064		20	
Zinc	0.0518	0.010	0.05	0.001463	101	70	130	0.0529	2.1	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100506B: 42** SampType: **Sample Matrix Spike** Sample ID: **H10050078-011BMS** Method: **E200.8**

Analysis Date: **05/06/10 21:54** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0490	0.10	0.05		98	70	130				
Antimony	0.0500	0.0050	0.05	0.0000665	100	70	130				
Arsenic	0.0506	0.0050	0.05	0.0004994	100	70	130				
Barium	0.0814	0.10	0.05	0.03176	99	70	130				
Beryllium	0.0500	0.0010	0.05		100	70	130				
Cadmium	0.0490	0.0010	0.05		98	70	130				
Chromium	0.0504	0.010	0.05	0.0005388	100	70	130				
Cobalt	0.0489	0.010	0.05	0.0001232	98	70	130				
Copper	0.0502	0.010	0.05	0.0008393	99	70	130				
Lead	0.0496	0.010	0.05	0.0000313	99	70	130				
Manganese	0.0508	0.010	0.05	0.000727	100	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit
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N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

BatchID: R62136

Run ID :Run Order: **ICPMS204-B_100506B: 42** SampType: **Sample Matrix Spike** Sample ID: **H10050078-011BMS** Method: **E200.8**

Analysis Date: **05/06/10 21:54** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00106	0.0010	0.001		106	70	130				
Selenium	0.0498	0.0050	0.05		100	70	130				
Silver	0.0193	0.0050	0.02		97	70	130				
Thallium	0.0497	0.0050	0.05		99	70	130				
Vanadium	0.0511	0.10	0.05	0.001156	100	70	130				
Zinc	0.0545	0.010	0.05	0.007455	94	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100506B: 43** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-011BMSD** Method: **E200.8**

Analysis Date: **05/06/10 21:59** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 17	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.0487	0.10	0.05		97	70	130	0.04896		20	
Antimony	0.0494	0.0050	0.05	0.0000665	99	70	130	0.05003	1.2	20	
Arsenic	0.0494	0.0050	0.05	0.0004994	98	70	130	0.05063	2.4	20	
Barium	0.0808	0.10	0.05	0.03176	98	70	130	0.08135		20	
Beryllium	0.0485	0.0010	0.05		97	70	130	0.04997	3.1	20	
Cadmium	0.0485	0.0010	0.05		97	70	130	0.04902	1	20	
Chromium	0.0492	0.010	0.05	0.0005388	97	70	130	0.05042	2.5	20	
Cobalt	0.0482	0.010	0.05	0.0001232	96	70	130	0.0489	1.5	20	
Copper	0.0488	0.010	0.05	0.0008393	96	70	130	0.05021	2.9	20	
Lead	0.0483	0.010	0.05	0.0000313	97	70	130	0.04962	2.7	20	
Manganese	0.0490	0.010	0.05	0.000727	97	70	130	0.05083	3.6	20	
Mercury	0.000969	0.0010	0.001		97	70	130	0.00106		20	
Selenium	0.0476	0.0050	0.05		95	70	130	0.04977	4.4	20	
Silver	0.0194	0.0050	0.02		97	70	130	0.01931	0.3	20	
Thallium	0.0484	0.0050	0.05		97	70	130	0.04965	2.6	20	
Vanadium	0.0498	0.10	0.05	0.001156	97	70	130	0.05106		20	
Zinc	0.0550	0.010	0.05	0.007455	95	70	130	0.05452	0.9	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62191

Date: *19-May-10*

Run ID :Run Order: **IC101-H_100507A: 1** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV050710-12** Method: **E300.0**

Analysis Date: **05/07/10 17:25** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	12	1.0	12.5		95	90	110				
Sulfate	51	1.0	50		102	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 2** SampType: **Method Blank** Sample ID: **ICB050710-13** Method: **E300.0**

Analysis Date: **05/07/10 17:42** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.05									
Sulfate	ND	0.1									

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 3** SampType: **Laboratory Fortified Blank** Sample ID: **LFB050710-14** Method: **E300.0**

Analysis Date: **05/07/10 17:58** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	23	1.0	25		94	90	110				
Sulfate	49	1.0	50		99	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 4** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV050710-15** Method: **E300.0**

Analysis Date: **05/07/10 18:14** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	24	1.0	25		95	90	110				
Sulfate	50	1.0	50		99	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A**

Run ID :Run Order: **IC101-H_100507A: 15** SampType: **Sample Matrix Spike** Sample ID: **H10050078-002AMS** Method: **E300.0**

Analysis Date: **05/07/10 21:15** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	51	1.0	25	26.43	100	90	110				
Sulfate	270	1.0	50	223.4		90	110				A

Qualifiers: ND - Not Detected at the Reporting Limit
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Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62191

Date: *19-May-10*

Run ID :Run Order: **IC101-H_100507A: 15** SampType: **Sample Matrix Spike** Sample ID: **H10050078-002AMS** Method: **E300.0**
Analysis Date: **05/07/10 21:15** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 16** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-002AMSD** Method: **E300.0**
Analysis Date: **05/07/10 21:31** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	52	1.0	25	26.43	102	90	110	51.42	0.8	20	
Sulfate	270	1.0	50	223.4		90	110	272.7	0.2	20	A

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 18** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV050710-30** Method: **E300.0**
Analysis Date: **05/07/10 22:21** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	24	1.0	25		95	90	110				
Sulfate	50	1.0	50		99	90	110				

Associated samples: **H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 24** SampType: **Sample Matrix Spike** Sample ID: **H10050078-008AMS** Method: **E300.0**
Analysis Date: **05/07/10 23:59** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	29	1.0	25	4.586	97	90	110				
Sulfate	100	1.0	50	51.03	102	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 25** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-008AMSD** Method: **E300.0**
Analysis Date: **05/08/10 00:16** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	28	1.0	25	4.586	96	90	110	28.8	1.2	20	
Sulfate	100	1.0	50	51.03	102	90	110	102	0.1	20	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62191

Run ID :Run Order: **IC101-H_100507A: 36** SampType: **Sample Matrix Spike** Sample ID: **H10050083-001AMS** Method: **E300.0**

Analysis Date: **05/08/10 03:16** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	26	1.0	25	2.888	94	90	110				
Sulfate	56	1.0	50	7.076	99	90	110				

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Run ID :Run Order: **IC101-H_100507A: 37** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050083-001AMSD** Method: **E300.0**

Analysis Date: **05/08/10 03:33** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	27	1.0	25	2.888	95	90	110	26.5	0.7	20	
Sulfate	57	1.0	50	7.076	100	90	110	56.34	1.1	20	

Associated samples: **H10050078-001A; H10050078-002A; H10050078-003A; H10050078-005A; H10050078-006A; H10050078-007A; H10050078-008A; H10050078-009A; H10050078-010A; H10050078-011A; H10050078-012A; H10050078-013A; H10050078-014A**

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
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ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

BatchID: R62196

Run ID :Run Order: **ICP1-HE_100510A: 4** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **E200.7**

Analysis Date: **05/10/10 09:43** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	42.0	1.0	40		105	95	105				
Gold	1.98	0.10	2		99	95	105				
Iron	3.91	0.030	4		98	95	105				
Magnesium	40.9	1.0	40		102	95	105				
Potassium	40.3	1.0	40		101	95	105				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 7** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV-1** Method: **E200.7**

Analysis Date: **05/10/10 09:54** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	25.5	1.0	25		102	95	105				
Gold	2.52	0.10	2.5		101	95	105				
Iron	2.46	0.030	2.5		98	95	105				
Magnesium	24.8	1.0	25		99	95	105				
Potassium	26.1	1.0	25		104	95	105				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 10** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/10/10 10:03** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	561	1.0	500		112	80	120				
Gold	0.0230	0.10				0	0				
Iron	193	0.030	200		96	80	120				
Magnesium	569	1.0	500		114	80	120				
Potassium	0.0140	1.0				0	0				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 11** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/10/10 10:06** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	547	1.0	500		109	80	120				

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

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Run ID :Run Order: **ICP1-HE_100510A: 11** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/10/10 10:06** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	1.08	0.10	1		108	80	120				
Iron	199	0.030	200		100	80	120				
Magnesium	601	1.0	500		120	80	120				
Potassium	22.0	1.0	20		110	80	120				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 12** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**

Analysis Date: **05/10/10 10:10** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	2.67	0.10	2.5		107	90	110				
Iron	2.55	0.030	2.5		102	90	110				
Magnesium	25.2	1.0	25		101	90	110				
Potassium	25.8	1.0	25		103	90	110				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B**

Run ID :Run Order: **ICP1-HE_100510A: 14** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**

Analysis Date: **05/10/10 10:20** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	ND	0.002									
Iron	ND	0.002									
Magnesium	ND	0.02									
Potassium	ND	0.04									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 15** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**

Analysis Date: **05/10/10 10:23** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.481	0.10	0.5		96	85	115				
Iron	0.950	0.030	1		95	85	115				
Magnesium	9.64	1.0	10		96	85	115				
Potassium	10.3	1.0	10		103	85	115				

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Date: *19-May-10*

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

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Run ID :Run Order: **ICP1-HE_100510A: 15** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**

Analysis Date: **05/10/10 10:23** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 21** SampType: **Sample Matrix Spike** Sample ID: **H10050078-002BMS2** Method: **E200.7**

Analysis Date: **05/10/10 10:42** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.973	0.010	1		97	70	130				
Iron	2.10	0.030	2	0.1755	96	70	130				
Magnesium	40.7	1.0	20	20.82	99	70	130				
Potassium	26.3	1.0	20	5.86	102	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 22** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-002BMSD2** Method: **E200.7**

Analysis Date: **05/10/10 10:45** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.957	0.010	1		96	70	130	0.973	1.7	20	
Iron	2.13	0.030	2	0.1755	98	70	130	2.098	1.5	20	
Magnesium	41.2	1.0	20	20.82	102	70	130	40.72	1.1	20	
Potassium	25.4	1.0	20	5.86	98	70	130	26.26	3.5	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 24** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**

Analysis Date: **05/10/10 10:51** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	2.73	0.10	2.5		109	90	110				
Iron	2.66	0.030	2.5		106	90	110				
Magnesium	26.4	1.0	25		106	90	110				
Potassium	25.2	1.0	25		101	90	110				

Associated samples: **H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B**

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

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Run ID :Run Order: **ICP1-HE_100510A: 35** SampType: **Sample Matrix Spike** Sample ID: **H10050078-012BMS2** Method: **E200.7**
Analysis Date: **05/10/10 11:25** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.954	0.010	1		95	70	130				
Iron	1.97	0.030	2	0.0311	97	70	130				
Magnesium	25.5	1.0	20	6.15	97	70	130				
Potassium	22.6	1.0	20	2.295	101	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 36** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**
Analysis Date: **05/10/10 11:28** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	26.4	1.0	25		106	90	110				
Gold	2.50	0.10	2.5		100	90	110				
Iron	2.45	0.030	2.5		98	90	110				
Magnesium	25.2	1.0	25		101	90	110				
Potassium	25.3	1.0	25		101	90	110				

Associated samples: **H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 38** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-012BMSD2** Method: **E200.7**
Analysis Date: **05/10/10 11:34** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.959	0.010	1		96	70	130	0.9538	0.5	20	
Iron	1.94	0.030	2	0.0311	95	70	130	1.966	1.5	20	
Magnesium	24.9	1.0	20	6.15	94	70	130	25.52	2.6	20	
Potassium	22.3	1.0	20	2.295	100	70	130	22.56	1.1	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 41** SampType: **Method Blank** Sample ID: **MB-8673** Method: **E200.7**
Analysis Date: **05/10/10 11:43** Units: **mg/L** **Prep Info:** Prep Date: **5/4/2010** Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.1									
Gold	ND	0.002									
Iron	ND	0.002									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Run ID :Run Order: **ICP1-HE_100510A: 41** SampType: **Method Blank** Sample ID: **MB-8673** Method: **E200.7**

Analysis Date: **05/10/10 11:43** Units: **mg/L** **Prep Info:** Prep Date: **5/4/2010** Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	ND	0.02									
Potassium	ND	0.04									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 45** SampType: **Sample Matrix Spike** Sample ID: **H10050042-002BMS2** Method: **E200.7**

Analysis Date: **05/10/10 11:56** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 4	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gold	0.940	0.010	1	0.0021	94	70	130				
Iron	1.92	0.030	2	0.0185	95	70	130				
Magnesium	24.7	1.0	20	6.14	93	70	130				
Potassium	30.8	1.0	20	11.1	98	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 46** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050042-002BMSD2** Method: **E200.7**

Analysis Date: **05/10/10 11:59** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	49.0	1.0	20	28.97	100	70	130	49.42	0.8	20	
Gold	0.928	0.010	1	0.0021	93	70	130	0.94	1.3	20	
Iron	1.87	0.030	2	0.0185	93	70	130	1.918	2.5	20	
Magnesium	25.4	1.0	20	6.14	96	70	130	24.68	3	20	
Potassium	30.9	1.0	20	11.1	99	70	130	30.78	0.3	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 47** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**

Analysis Date: **05/10/10 12:02** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.1									
Gold	ND	0.002									
Iron	ND	0.002									
Magnesium	ND	0.02									
Potassium	ND	0.04									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

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Run ID :Run Order: **ICP1-HE_100510A: 47** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**

Analysis Date: **05/10/10 12:02** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 50** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**

Analysis Date: **05/10/10 12:11** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	9.69	1.0	10		97	85	115				
Gold	0.465	0.10	0.5		93	85	115				
Iron	0.913	0.030	1		91	85	115				
Magnesium	9.14	1.0	10		91	85	115				
Potassium	10.1	1.0	10		101	85	115				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 51** SampType: **Method Blank** Sample ID: **MB-8703** Method: **E200.7**

Analysis Date: **05/10/10 12:14** Units: **mg/L** **Prep Info:** Prep Date: **5/6/2010** Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.1									
Gold	ND	0.002									
Iron	ND	0.002									
Magnesium	ND	0.02									
Potassium	ND	0.04									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 54** SampType: **Method Blank** Sample ID: **MB-8708** Method: **E200.7**

Analysis Date: **05/10/10 12:23** Units: **mg/L** **Prep Info:** Prep Date: **5/7/2010** Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.1									
Gold	ND	0.002									
Iron	ND	0.002									
Magnesium	ND	0.02									
Potassium	ND	0.04									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Run ID :Run Order: **ICP1-HE_100510A: 54** SampType: **Method Blank** Sample ID: **MB-8708** Method: **E200.7**

Analysis Date: **05/10/10 12:23** Units: **mg/L** **Prep Info:** Prep Date: **5/7/2010** Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 59** SampType: **Sample Matrix Spike** Sample ID: **H10050083-001CMS2** Method: **E200.7**

Analysis Date: **05/10/10 12:39** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	19.6	1.0	20		98	70	130				
Gold	0.920	0.010	1		92	70	130				
Iron	1.87	0.030	2		93	70	130				
Magnesium	19.5	1.0	20		97	70	130				
Potassium	22.3	1.0	20	2.629	98	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 62** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050083-001CMSD2** Method: **E200.7**

Analysis Date: **05/10/10 12:48** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	18.6	1.0	20		93	70	130	19.64	5.3	20	
Gold	0.922	0.010	1		92	70	130	0.9196	0.3	20	
Iron	1.85	0.030	2		93	70	130	1.866	0.8	20	
Magnesium	18.9	1.0	20		94	70	130	19.48	3.2	20	
Potassium	22.4	1.0	20	2.629	99	70	130	22.26	0.6	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 63** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**

Analysis Date: **05/10/10 12:53** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	ND	0.1									
Gold	ND	0.002									
Iron	ND	0.002									
Magnesium	ND	0.02									
Potassium	ND	0.04									

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

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Run ID :Run Order: **ICP1-HE_100510A: 63** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**

Analysis Date: **05/10/10 12:53** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 64** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**

Analysis Date: **05/10/10 12:56** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	10.1	1.0	10		101	85	115				
Gold	0.456	0.10	0.5		91	85	115				
Iron	0.908	0.030	1		91	85	115				
Magnesium	9.34	1.0	10		93	85	115				
Potassium	10.1	1.0	10		101	85	115				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 68** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**

Analysis Date: **05/10/10 13:08** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	25.5	1.0	25		102	90	110				
Gold	2.44	0.10	2.5		98	90	110				
Iron	2.46	0.030	2.5		98	90	110				
Magnesium	24.5	1.0	25		98	90	110				
Potassium	24.9	1.0	25		100	90	110				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B**

Run ID :Run Order: **ICP1-HE_100510A: 72** SampType: **Sample Matrix Spike** Sample ID: **H10050078-002BMS2** Method: **E200.7**

Analysis Date: **05/10/10 13:21** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	116	1.0	20	96.4		70	130				A
Gold	0.950	0.010	1		95	70	130				
Iron	2.07	0.030	2	0.1795	95	70	130				
Magnesium	40.5	1.0	20	21.81	93	70	130				
Potassium	25.4	1.0	20	5.63	99	70	130				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

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BatchID: R62196

Date: *19-May-10*

Run ID :Run Order: **ICP1-HE_100510A: 72** SampType: **Sample Matrix Spike** Sample ID: **H10050078-002BMS2** Method: **E200.7**
Analysis Date: **05/10/10 13:21** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 73** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-002BMSD2** Method: **E200.7**
Analysis Date: **05/10/10 13:24** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	122	1.0	20	96.4		70	130	116.4	4.5	20	A
Gold	0.959	0.010	1		96	70	130	0.95	0.9	20	
Iron	2.09	0.030	2	0.1795	96	70	130	2.07	1	20	
Magnesium	39.9	1.0	20	21.81	91	70	130	40.48	1.4	20	
Potassium	25.4	1.0	20	5.63	99	70	130	25.36	0.1	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 78** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**
Analysis Date: **05/10/10 14:34** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	25.8	1.0	25		103	90	110				
Gold	2.50	0.10	2.5		100	90	110				
Iron	2.63	0.030	2.5		105	90	110				
Magnesium	25.8	1.0	25		103	90	110				
Potassium	26.1	1.0	25		104	90	110				

Associated samples: **H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 86** SampType: **Sample Matrix Spike** Sample ID: **H10050078-012BMS2** Method: **E200.7**
Analysis Date: **05/10/10 14:59** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	44.1	1.0	20	27.65	82	70	130				
Gold	0.944	0.010	1		94	70	130				
Iron	2.00	0.030	2	0.0341	98	70	130				
Magnesium	24.6	1.0	20	5.77	94	70	130				
Potassium	23.3	1.0	20	2.331	105	70	130				

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits; A - Analyte concentration greater than three times the spike amount

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ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

Work Order: H10050078

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Run ID :Run Order: **ICP1-HE_100510A: 86** SampType: **Sample Matrix Spike** Sample ID: **H10050078-012BMS2** Method: **E200.7**

Analysis Date: **05/10/10 14:59** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 87** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-012BMSD2** Method: **E200.7**

Analysis Date: **05/10/10 15:02** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	43.7	1.0	20	27.65	80	70	130	44.06	0.9	20	
Gold	0.915	0.010	1		92	70	130	0.9436	3.1	20	
Iron	1.96	0.030	2	0.0341	96	70	130	2.002	2.3	20	
Magnesium	24.1	1.0	20	5.77	92	70	130	24.58	1.8	20	
Potassium	23.0	1.0	20	2.331	103	70	130	23.28	1.2	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 99** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/10/10 15:38** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	538	1.0	500		108	80	120				
Gold	0.0206	0.10				0	0				
Iron	196	0.030	200		98	80	120				
Magnesium	563	1.0	500		113	80	120				
Potassium	0.0205	1.0				0	0				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510A: 100** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/10/10 15:42** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Calcium	549	1.0	500		110	80	120				
Gold	1.04	0.10	1		104	80	120				
Iron	194	0.030	200		97	80	120				
Magnesium	539	1.0	500		108	80	120				
Potassium	22.2	1.0	20		111	80	120				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust

Work Order: H10050078

Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62196

Date: *19-May-10*

Run ID :Run Order: **ICP1-HE_100510A: 100** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/10/10 15:42** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 5	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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BatchID: R62206

Date: *19-May-10*

Run ID :Run Order: **ICP1-HE_100510B: 5** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV** Method: **E200.7**
Analysis Date: **05/10/10 17:52** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	40.5	1.0	40		101	95	105				
Tellurium	2.05	0.10	2		103	95	105				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 7** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV-1** Method: **E200.7**
Analysis Date: **05/10/10 18:01** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	25.7	1.0	25		103	95	105				
Tellurium	2.62	0.10	2.5		105	95	105				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 10** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**
Analysis Date: **05/10/10 18:12** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	0.0501	1.0				0	0				
Tellurium	0.0102	0.10				0	0				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 11** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**
Analysis Date: **05/10/10 18:15** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	22.4	1.0	20		112	80	120				
Tellurium	1.03	0.10	1		103	80	120				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 13** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**
Analysis Date: **05/10/10 18:26** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	25.8	1.0	25		103	90	110				
Tellurium	2.59	0.10	2.5		104	90	110				

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; N - Analyte concentration was not sufficiently high to calculate RPD; A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62206

Date: *19-May-10*

Run ID :Run Order: **ICP1-HE_100510B: 13** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**
Analysis Date: **05/10/10 18:26** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B**

Run ID :Run Order: **ICP1-HE_100510B: 15** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.7**
Analysis Date: **05/10/10 18:32** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	ND	0.1									
Tellurium	ND	0.01									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 17** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**
Analysis Date: **05/10/10 18:43** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	10.1	1.0	10		101	85	115				
Tellurium	0.425	0.10	0.5		85	85	115				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 23** SampType: **Sample Matrix Spike** Sample ID: **H10050078-004BMS2** Method: **E200.7**
Analysis Date: **05/10/10 19:01** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	34.3	1.0	20	14.19	101	70	130				
Tellurium	0.797	0.025	1		80	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 24** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-004BMSD2** Method: **E200.7**
Analysis Date: **05/10/10 19:05** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	33.4	1.0	20	14.19	96	70	130	34.3	2.6	20	
Tellurium	0.831	0.025	1		83	70	130	0.7972	4.2	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

ENERGY LABORATORIES, INC. * 3161 E Lyndale (59604) * PO Box 5688 * Helena, MT 59601
Toll Free 877.472.0711 * 406.442.0711 * FAX 406.442.0712 * helena@enerylab.com

Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

Date: *19-May-10*

BatchID: R62206

Run ID :Run Order: **ICP1-HE_100510B: 25** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV** Method: **E200.7**
Analysis Date: **05/10/10 19:08** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	24.7	1.0	25		99	90	110				
Tellurium	2.59	0.10	2.5		104	90	110				

Associated samples: **H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 39** SampType: **Sample Matrix Spike** Sample ID: **H10050078-014BMS2** Method: **E200.7**
Analysis Date: **05/10/10 19:51** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	42.1	1.0	20	22.56	98	70	130				
Tellurium	0.831	0.025	1		83	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 40** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-014BMSD2** Method: **E200.7**
Analysis Date: **05/10/10 19:54** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	41.0	1.0	20	22.56	92	70	130	42.12	2.8	20	
Tellurium	0.791	0.025	1		79	70	130	0.831	4.9	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 47** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.7**
Analysis Date: **05/10/10 20:15** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	9.89	1.0	10		99	85	115				
Tellurium	0.422	0.10	0.5		84	85	115				S

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 81** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**
Analysis Date: **05/10/10 22:00** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	0.0510	1.0				0	0				
Tellurium	0.0162	0.10				0	0				

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62206

Date: *19-May-10*

Run ID :Run Order: **ICP1-HE_100510B: 81** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.7**

Analysis Date: **05/10/10 22:00** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICP1-HE_100510B: 82** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.7**

Analysis Date: **05/10/10 22:03** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sodium	21.9	1.0	20		110	80	120				
Tellurium	1.02	0.10	1		102	80	120				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62231

Date: *19-May-10*

Run ID :Run Order: **IC101-H_100511A: 1** SampType: **Initial Calibration Verification Standard** Sample ID: **ICV051110-12** Method: **E300.0**
Analysis Date: **05/11/10 17:58** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	12	1.0	12.5		94	90	110				
Sulfate	51	1.0	50		102	90	110				

Associated samples: **H10050078-004A**

Run ID :Run Order: **IC101-H_100511A: 2** SampType: **Method Blank** Sample ID: **ICB051110-13** Method: **E300.0**
Analysis Date: **05/11/10 18:15** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	ND	0.05									
Sulfate	ND	0.1									

Associated samples: **H10050078-004A**

Run ID :Run Order: **IC101-H_100511A: 3** SampType: **Laboratory Fortified Blank** Sample ID: **LFB051110-14** Method: **E300.0**
Analysis Date: **05/11/10 18:31** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	24	1.0	25		97	90	110				
Sulfate	51	1.0	50		101	90	110				

Associated samples: **H10050078-004A**

Run ID :Run Order: **IC101-H_100511A: 4** SampType: **Continuing Calibration Verification Standard** Sample ID: **CCV051110-15** Method: **E300.0**
Analysis Date: **05/11/10 18:48** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	24	1.0	25		95	90	110				
Sulfate	49	1.0	50		99	90	110				

Associated samples: **H10050078-004A**

Run ID :Run Order: **IC101-H_100511A: 8** SampType: **Sample Matrix Spike** Sample ID: **H10050120-001BMS** Method: **E300.0**
Analysis Date: **05/11/10 19:53** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	24	1.0	25	0.484	93	90	110				
Sulfate	53	1.0	50	4.251	98	90	110				

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62231

Date: *19-May-10*

Run ID :Run Order: **IC101-H_100511A: 8** SampType: **Sample Matrix Spike** Sample ID: **H10050120-001BMS** Method: **E300.0**

Analysis Date: **05/11/10 19:53** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Associated samples: **H10050078-004A**

Run ID :Run Order: **IC101-H_100511A: 9** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050120-001BMSD** Method: **E300.0**

Analysis Date: **05/11/10 20:10** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 2	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	24	1.0	25	0.484	93	90	110	23.72	0	20	
Sulfate	53	1.0	50	4.251	98	90	110	53.14	0.5	20	

Associated samples: **H10050078-004A**

Qualifiers: ND - Not Detected at the Reporting Limit
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R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62306

Date: *19-May-10*

Run ID :Run Order: **ICPMS204-B_100513A: 27** SampType: **Initial Calibration Verification Standard** Sample ID: **QCS STD** Method: **E200.8**
Analysis Date: **05/13/10 15:33** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0495	0.010	0.05		99	90	110				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100513A: 28** SampType: **Interference Check Sample A** Sample ID: **ICSA** Method: **E200.8**
Analysis Date: **05/13/10 15:39** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.00241	0.010									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100513A: 29** SampType: **Interference Check Sample AB** Sample ID: **ICSAB** Method: **E200.8**
Analysis Date: **05/13/10 15:44** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0247	0.010	0.02		124	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100513A: 35** SampType: **Method Blank** Sample ID: **ICB** Method: **E200.8**
Analysis Date: **05/13/10 16:15** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	ND	5E-05									

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100513A: 36** SampType: **Laboratory Fortified Blank** Sample ID: **LFB** Method: **E200.8**
Analysis Date: **05/13/10 16:20** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0506	0.010	0.05		101	85	115				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Client: Montana Environmental Custodial Trust
Work Order: H10050078
Project: Annual Long-Term RI/FS Res. Monitoring -

ANALYTICAL QC SUMMARY REPORT

BatchID: R62306

Date: *19-May-10*

Run ID :Run Order: **ICPMS204-B_100513A: 39** SampType: **Sample Matrix Spike** Sample ID: **H10050078-001BMS** Method: **E200.8**

Analysis Date: **05/13/10 16:35** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0494	0.010	0.05		99	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100513A: 40** SampType: **Sample Matrix Spike Duplicate** Sample ID: **H10050078-001BMSD** Method: **E200.8**

Analysis Date: **05/13/10 16:41** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0507	0.010	0.05		101	70	130	0.04944	2.4	20	

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Run ID :Run Order: **ICPMS204-B_100513A: 56** SampType: **Sample Matrix Spike** Sample ID: **H10050078-011BMS** Method: **E200.8**

Analysis Date: **05/13/10 18:03** Units: **mg/L** **Prep Info:** Prep Date: Prep Method:

Analytes 1	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nickel	0.0481	0.010	0.05	0.0001826	96	70	130				

Associated samples: **H10050078-001B; H10050078-002B; H10050078-003B; H10050078-004B; H10050078-005B; H10050078-006B; H10050078-007B; H10050078-008B; H10050078-009B; H10050078-010B; H10050078-011B; H10050078-012B; H10050078-013B; H10050078-014B**

Qualifiers: ND - Not Detected at the Reporting Limit
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
N - Analyte concentration was not sufficiently high to calculate RPD
A - Analyte concentration greater than three times the spike amount

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Workorder Receipt Checklist

Montana Environmental Custodial Trust

H10050078

Login completed by: Tracy L. Lorash

Date Received: 5/5/2010

Reviewed by: BL2000\wjohnson

Received by: rlt

Reviewed Date: 5/7/2010

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	8.9°C From Field		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Contact and Corrective Action Comments:

None

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: MONTANA ENVIRONMENTAL TRUST GROUP	Project Name, PWS, Permit, Etc. ANNUAL LONG-TERM RI/FS RESIDENTIAL MONITORING - MAY 2010	Sample Origin State: MT	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: JON NICKEL P.O. BOX 1230 EAST HELENA, MT 59635	Contact Name: JON NICKEL Phone/Fax: 227-4529	Email:	Sampler: (Please Print) NICKEL
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ A2LA
☐ GSA ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format: _____
☐ State: _____ ☐ LEVEL IV
☐ Other: _____ ☐ NELAC

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: hand
Cooler ID(s):
Receipt Temp 8.9 °C
On Ice: Yes No
Custody Seal Y N
Bottles/Coolers B C
Intact Y N
Signature Match Y N

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	Common Ions	Physical Parameters	METALS							SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments
1	EHR-0510-300 RAW	5/5/2010	3:40pm	GW	X	X								X	X		
2	EHR-0510-300 METAL		3:40pm				X										
3	EHR-0510-301 RAW		8:10		X	X											
4	EHR-0510-301 METAL		8:10				X										
5	EHR-0510-302 RAW		8:40		X	X											
6	EHR-0510-302 METAL		8:40				X										
7	EHR-0510-303 RAW		9:15		X	X											
8	EHR-0510-303 METAL		9:15				X										
9	EHR-0510-304 RAW		9:40		X	X											
10	EHR-0510-304 METAL		9:40				X										

LABORATORY USE ONLY H10050078

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
JON NICKEL	5/5/2010/1600	JNickel			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Roxanne Johns	Date/Time: 5.5.10 15:55	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: MONTANA ENVIRONMENTAL TRUST GROUP	Project Name, PWS, Permit, Etc. ANNUAL LONG-TERM R/FS RESIDENTIAL MONITORING - MAY 2010	Sample Origin State: MT	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: JON NICKEL P.O. BOX 1230 EAST HELENA, MT. 59635	Contact Name: JON NICKEL Phone/Fax: 227-4529	Email:	Sampler: (Please Print) NICKEL
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ GSA ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ A2LA ☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: HAND

Cooler ID(s):

Receipt Temp 8.4 °C

On Ice: Yes No

Custody Seal Y N

Bottles/Coolers B C

Intact Y N

Signature Match Y N

#	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	COMMON IONS	PHYSICAL PROPERTIES	METALS							SEE ATTACHED	Normal Turnaround (TAT)	RUSH	LABORATORY USE ONLY
1	EHR-0510-305 RAW	5/5/2010	10:10	GW	X	X											H10050078
2	EHR-0510-305 METAL		10:10				X										
3	EHR-0510-306 RAW		10:35		X	X											
4	EHR-0510-306 METAL		10:35				X										
5	EHR-0510-307 RAW		11:05		X	X											
6	EHR-0510-307 METAL		11:05				X										
7	EHR-0510-308 RAW		11:35		X	X											
8	EHR-0510-308 METAL		11:35				X										
9	EHR-0510-309 RAW		12:05		X	X											
10	EHR-0510-309 METAL		12:05				X										

Custody Record MUST be Signed

Relinquished by (print): JON NICKEL	Date/Time: 5/5/2010/1600	Signature: J Nickel	Received by (print): / Date/Time: / Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print): / Date/Time: / Signature:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory: ROXANNE JOHNS Date/Time: 5.5.10 15:55 Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report. Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.