



ANALYTICAL SUMMARY REPORT

February 20, 2007

Innovative Engineering
12140 Gooch Hill Rd.
Gallatin Gateway, MT 59730

Workorder No.: H07020065

Project Name: Silvertip

Energy Laboratories Inc received the following 1 sample from Innovative Engineering on 2/9/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
H07020065-001	Silvertip	02/08/07	14:00 02/09/07	Drinking Water	Metals by ICP/ICPMS, Drinking Water Conductivity Nitrogen, Nitrate + Nitrite Sulfide, Iodine Titrimetric

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-r - Energy Laboratories, Inc. - Rapid City, SD, EPA# SD00012
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES, INC. will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories are indicated within the Laboratory Analytical Report.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

ELI appreciates the opportunity to provide you with this analytical service. For additional information, including certifications, and analytical services visit our web page www.energylab.com.

Report Approved By: 



ENERGY LABORATORIES, INC. • P.O. Box 5688 • 3161 East Lyndale Av. Helena, MT 59604
877-472-0711 • 406-442-0711 • 406-442-0712 fax • helena@energylab.com

CASE NARRATIVE

NONE



LABORATORY ANALYTICAL REPORT

Client: Innovative Engineering
Project: Silvertip
Lab ID: H07020065-001
Client Sample ID: Silvertip

Report Date: 02/20/07
Collection Date: 02/08/07 14:00
Date Received: 02/09/07
Matrix: Drinking Water

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
PHYSICAL PROPERTIES							
Conductivity	210	umhos/cm		1		A2510 B	02/13/07 09:28 / abb
INORGANICS							
Sulfide	ND	mg/L		1		E376.1	02/13/07 11:00 / eli-b
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	0.33	mg/L		0.05	10	E353.2	02/13/07 12:00 / sld
METALS, TOTAL (CONTRACT LAB MT00005)							
Iron	30	mg/L		0.03		E200.7	02/13/07 19:55 / eli-b
Manganese	0.35	mg/L		0.01		E200.7	02/13/07 19:55 / eli-b

Report RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Innovative Engineering
 Project: Silvertip

Report Date: 02/20/07
 Work Order: H07020065

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B		Batch: 070213A-COND-PROBE-W							
Sample ID: LCS1_070213A	Laboratory Control Sample				Run: COND_070213A		02/13/07 09:09		
Conductivity	151	umhos/cm	1.0	103	90	110			
Sample ID: H07020057-002ADUP	Sample Duplicate				Run: COND_070213A		02/13/07 09:25		
Conductivity	408	umhos/cm	1.0				0.3	10	
Method: E200.7		Batch: B_25600							
Sample ID: MB-25600	Method Blank				Run: SUB-B89487		02/13/07 18:58		
Iron	ND	mg/L	0.03						
Manganese	ND	mg/L	0.0003						
Sample ID: LCS3-25600	Laboratory Control Sample				Run: SUB-B89487		02/13/07 19:05		
Iron	5.0	mg/L	0.030	100	85	115			
Manganese	5.1	mg/L	0.010	102	85	115			
Sample ID: B07020681-001A MS3	Sample Matrix Spike				Run: SUB-B89487		02/13/07 19:40		
Iron	5.9	mg/L	0.030	101	70	130			
Manganese	5.2	mg/L	0.010	101	70	130			
Sample ID: B07020681-001A MSD3	Sample Matrix Spike Duplicate				Run: SUB-B89487		02/13/07 19:44		
Iron	6.0	mg/L	0.030	102	70	130	0.3	20	
Manganese	5.2	mg/L	0.010	102	70	130	1.0	20	
Method: E200.7		Analytical Run: SUB-B89487							
Sample ID: QCS	Initial Calibration Verification Standard						02/13/07 15:54		
Iron	5.13	mg/L	0.030	103	90	110			
Manganese	5.18	mg/L	0.010	104	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Innovative Engineering
 Project: Silvertip

Report Date: 02/20/07
 Work Order: H07020065

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2		Analytical Run: NUTRIENTS_070213A							
Sample ID: ICV-1	Initial Calibration Verification Standard								02/13/07 09:44
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.050	101	90	110			
Method: E353.2		Batch: A2007-02-13_5_NO3_01							
Sample ID: LCS-2	Laboratory Control Sample				Run: NUTRIENTS_070213A		02/13/07 09:46		
Nitrogen, Nitrate+Nitrite as N	26.1	mg/L	0.30	98	90	110			
Sample ID: LFB-3	Laboratory Fortified Blank				Run: NUTRIENTS_070213A		02/13/07 09:48		
Nitrogen, Nitrate+Nitrite as N	0.520	mg/L	0.050	104	90	110			
Sample ID: MBLK-6	Method Blank				Run: NUTRIENTS_070213A		02/13/07 09:54		
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.01						
Sample ID: H07020050-001BMS	Sample Matrix Spike				Run: NUTRIENTS_070213A		02/13/07 11:40		
Nitrogen, Nitrate+Nitrite as N	0.980	mg/L	0.050	98	90	110			
Sample ID: H07020050-001BMSD	Sample Matrix Spike Duplicate				Run: NUTRIENTS_070213A		02/13/07 11:42		
Nitrogen, Nitrate+Nitrite as N	0.990	mg/L	0.050	99	90	110	1.0	20	
Sample ID: H07020065-001ADUP	Sample Duplicate				Run: NUTRIENTS_070213A		02/13/07 12:02		
Nitrogen, Nitrate+Nitrite as N	0.330	mg/L	0.050				0.0	20	
Method: E376.1		Batch: B_070213A-SULFIDE-TTR-W							
Sample ID: B07020615-002ADUP	Sample Duplicate				Run: SUB-B89460		02/13/07 11:00		
Sulfide	1200	mg/L	1.0				0.0	20	
Sample ID: B07020615-004AMS	Sample Matrix Spike				Run: SUB-B89460		02/13/07 11:00		
Sulfide	244	mg/L	1.0	102	80	120			
Sample ID: B07020615-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-B89460		02/13/07 11:00		
Sulfide	240	mg/L	1.0	98	80	120	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc

Sample Receipt Checklist

Client Name **Innovative Engineering**

Date and Time Received: **2/9/2007 10:17:00 AM**

Work Order Number **H07020065**

Received by **sld**

Login completed by: Roxanne L. Tubbs 2/9/2007 10:17:00
Signature Date

Reviewed by JTB 2/12/07
Initials Date

Carrier name UPS SDP

- 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 in compliance? Yes No 4 °C
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted
- Water - pH acceptable upon receipt? Yes No Not Applicable

Adjusted? _____ Checked by _____

Contact and Corrective Action Comments:

None



Chain of Custody and Analytical Request Record

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: INNOVATIVE ENGINEERING
 Report Mail Address: 12145 SOOCLIFF SAULMINWAY
 Invoice Address: MT 59 730
 Project Name, PWS #, Permit #, Etc.: SILVERTIP
 Contact Name, Phone, Fax, E-mail: TERRY THRELLERD
 Sampler Name if other than Contact: FAX 406-705-4108
 Purchase Order #: ELI QUOTE #:
 Invoice Contact & Phone #: SAME - 406-705-4108
 E-mail: TERRY.THRELLERD@MIN.COM

Report Required For: POTWWTP DW Other TEST USE
 Special Report Formats - ELI must be notified prior to sample submittal for the following:
 NELAC A2LA Level IV Other _____
 EDD/EDT Format _____

Number of Containers: 1
 Sample Type: AW SV B0
 Air Water Soils/Solids Vegetation
 Bioassay Other

ANALYSIS REQUESTED
NI TEST/NITRATE
h2s
Many ions
IRON
COND. CONDUCTIVITY

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Notify ELI prior to RUSH sample submittal for additional charges and scheduling	Shipped by: Cooler ID(s)	Receipt Temp 4.0 °C	Custody Seal Intact Signature Match Lab ID
1 SILVERTIP	2/26/07	2:00	SEE ATTACHED				UPS SDP	4.0 °C	YZZY
2									
3									
4									
5									
6									
7									
8									
9									
10									

LABORATORY USE ONLY
 Received by (print): Stephanie Dull Date/Time: 2.9.07 10:17 Signature: Stephanie Dull
 Received by (print): _____ Date/Time: _____ Signature: _____

Relinquished by (print): TERRY THRELLERD Date/Time: 2/27/07 Signature: _____
 Relinquished by (print): TERRY THRELLERD Date/Time: 2/27/07 Signature: _____

Sample Disposal: _____ Return to client: _____ Lab Disposal: _____
 Sample Type: _____ # of fractions: _____

Custody Record MUST be Signed

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, & links.