



January 2, 2009

Mr. James Hix
Cordilleran Compliance Services, Inc.
4690 Table Mountain Dr., #200
Golden CO 80403

Re: ALS Paragon Workorder: 08-12-200
Client Project Name: Rulison Area Well Monitoring
Client Project Number: None Submitted

Dear Mr. Hix:

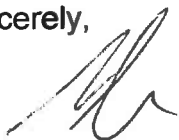
Twelve water samples were received from Cordilleran Compliance Services, Inc. on December 19, 2008. The samples were scheduled for the following analyses.

Metals	pages 1-317	Dissolved Gasses	pages 1-52
Inorganics	pages 1-158	Total Volatile Petroleum Hydrocarbons	pages 1-66
GC/MS Volatiles	pages 1-216	Total Extractable Hydrocarbons (Diesel)	pages 1-112

The results for these analyses are contained in the enclosed reports.

Thank you for your confidence in ALS Paragon. Should you have any questions, please call.

Sincerely,



ALS Paragon
Lance Steere
Senior Project Manager

LRS/mh
Enclosure (s): Report

4/12/21

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0812200

Client Name: Cordilleran Compliance Services, Inc.

Client Project Name: Rulison Area Well Monitoring

Client Project Number:

Client PO Number:

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
7-22B	0812200-1		WATER	17-Dec-08	8:38
7-22D	0812200-2		WATER	17-Dec-08	9:07
10-22B	0812200-3		WATER	17-Dec-08	10:01
6-22B	0812200-4		WATER	17-Dec-08	10:18
6-22D	0812200-5		WATER	17-Dec-08	11:08
16-22D	0812200-6		WATER	17-Dec-08	12:13
9-22D	0812200-7		WATER	17-Dec-08	12:39
16-22B	0812200-8		WATER	17-Dec-08	12:54
9-22B	0812200-9		WATER	17-Dec-08	13:10
10-22D	0812200-10		WATER	17-Dec-08	13:43
15-22B	0812200-11		WATER	17-Dec-08	13:58
15-22D	0812200-12		WATER	17-Dec-08	14:35



Paragon Analytics

A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524
800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID)

0812200

Chain-of-Custody

Date 12/18/08

Page 1 of 2

Originator: Retain pink copy!

Project Name/No.: PULSON AREA WELL MONITORING Sampler(s): 1 Hix Turnaround (circle one) Standard or Rush (Due _____) Dispose: Date _____ or Return to Client

Report To: JAMES HIX

Phone: 303.237.2072

Fax: 303.237.2659

E-mail: jhix@daconsulting.com

Company: CORDILLERAN, a division of Olsson Associates

Address: 4690 Table Mountain Dr. # 200
GOLDEN, CO 80403

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (Indicate type... HCl, etc.)	No. of Containers	VOCs	BTEX (only)	SVOCs	OC Pesticides	PCBs	Herbicides	Explosives	TCLP Organics SW1311	TCLP Metals SW1311 Hg	Total Metals by ICP Hg	Dissolved Metals by ICP Hg	Total Metals by ICP/MS	Dissolved Metals by ICP/MS	Hexavalent Chromium	Inorganic Anions	Solids: T-Phos	pH	TPH	Gross Alpha / Beta	Actinides by Paragon SOP	Tritium	Total Alpha-Emitting Radium	Radium 226	Radium 228	Strontium 90 (Total RadioSr)	Gamma Isotopes	Radon 222	RSK (Methane)
7-22B	12/17/08	0838	1	W	Y	13	X											X			X	X	X	X									X	
7-22D		0907	2	W		13	X											X			X	X	X	X									X	
10-22B		1001	3	W		13	X											X			X	X	X	X									X	
6-22B		1018	4	W		13	X											X			X	X	X	X									X	
6-22D		1108	5	W		13	X											X			X	X	X	X									X	
16-22D		1213	6	W		13	X											X			X	X	X	X									X	
9-22D		1239	7	W		13	X											X			X	X	X	X									X	
16-22B		1254	8	W		13	X											X			X	X	X	X									X	
9-22B		1310	9	W		13	X											X			X	X	X	X									X	
10-22D		1343	10	W		13	X											X			X	X	X	X									X	

* Time Zone: EST CST MST PST

Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments:

Relinquished By:

Signature

Printed Name

Date 12/18/08

Company Cordilleran

Received By:

Signature

Printed Name

Date 12/19/08

Company ALS Paragon

(1)

Relinquished By:

Signature

Printed Name

Date

Company

(1)

Received By:

Signature

Printed Name

Date

Company

(2)

(2)



Paragon Analytics

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Accession Number (LAB ID)

Chain-of-Custody

Date 12/18/08 Page 2 of 2

Originator: Retain pink copy!

Project Name/No.: ROUSON WELL MONITORING Sampler(s): F.P.D. Hix Turnaround (circle one) Standard or Rush (Due _____) Dispose: Date _____ or Return to Client

Report To: JAMES HIX
Phone: 303.237.2072
Fax: 303.237.2659
E-mail: JHix@paragonconsulting.com
Company: Cordilleran, a division of Olsson Associates
Address: 4690 Table Mountain Dr # 200
Golden, CO 80403

Circle method (right); provide additional information as needed (comments).

Sample ID	Date	Time *	Lab ID	Matrix	Preservative (indicate type... HCl, etc.)	No. of Containers	VOCs	BTEX (only)	SVOCs	OC Pesticides	PCBs	Herbicides	Explosives	TCLP Organics SW1311	TCLP Metals SW1311 Hg	Total Metals by ICP Hg	Dissolved Metals by ICP Hg	Total Metals by ICP/MS	Dissolved Metals by ICP/MS	Hexavalent Chromium	Inorganic Anions	Solids: Tphos	pH	TPH	Gross Alpha / Beta	Actinides by Paragon SOP	Tritium	Total Alpha-Emitting Radium	Radium 226	Radium 228	Strontium 90 (Total RadioSr)	Gamma Isotopes	Radon 222	RSK (Methane)
15-22B	12/17/08	1358	11	W	Y	13		X									X			X	X	X	X										X	
15-22D	✓	1435	12	W	Y	13		X									X			X	X	X	X										X	

* Time Zone: EST CST MST PST Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter
Comments:

Relinquished By: (1)
Signature [Signature]
Printed Name T. DOBRANSKY
Date 12/18/08 Time 1600
Company Cordilleran

Received By: (1)
Signature [Signature]
Printed Name Lara J Orban
Date 12/19/08 Time 1200
Company ALS Paragon

Relinquished By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

Received By: (2)
Signature _____
Printed Name _____
Date _____ Time _____
Company _____

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: CordilleranWorkorder No: 0812200Project Manager: LRSInitials: LTO Date: 12/19/08

1. Does this project require any special handling in addition to standard Paragon procedures?		YES	<input checked="" type="radio"/> NO
2. Are custody seals on shipping containers intact?	NONE	<input checked="" type="radio"/> YES	NO
3. Are Custody seals on sample containers intact?	<input checked="" type="radio"/> NONE	YES	NO
4. Is there a COC (Chain-of-Custody) present or other representative documents?		<input checked="" type="radio"/> YES	NO
5. Are the COC and bottle labels complete and legible?		<input checked="" type="radio"/> YES	NO
6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		<input checked="" type="radio"/> YES	NO
7. Were airbills / shipping documents present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES	NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	YES	<input checked="" type="radio"/> NO
9. Are all aqueous non-preserved samples pH 4-9?	N/A	<input checked="" type="radio"/> YES	NO
10. Is there sufficient sample for the requested analyses?		<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the proper containers for the requested analyses?		<input checked="" type="radio"/> YES	NO
12. Are all samples within holding times for the requested analyses?		<input checked="" type="radio"/> YES	NO
13. Were all sample containers received intact ? (not broken or leaking, etc.)		YES	<input checked="" type="radio"/> NO
14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u>X</u> < green pea <u>X</u> > green pea	N/A	YES	<input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples have headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES	NO
16. Were samples checked for and free from the presence of residual chlorine ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES	NO
17. Were the samples shipped on ice ?		<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C?	IR gun used*: <input checked="" type="radio"/> #2 #4	RAD ONLY	<input checked="" type="radio"/> YES NO
Cooler #:	<u>1</u>	<u>2</u>	<u>3</u>
Temperature (°C):	<u>2.8</u>	<u>3.4</u>	<u>3.4</u>
No. of custody seals on cooler:	<u>1</u>	<u>1</u>	<u>1</u>
External µR/hr reading:	<u>11</u>	<u>12</u>	<u>15</u>
Background µR/hr reading:	<u>11</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)			

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

* All 250 ml polys received at pH 7. 2.5ml H₂SO₄ (Lot # 47194) was added at 1435 by JTO on 12/19/08 to Each bottle. Samples # 1, 5, 7, 8, 9, and 10 have a final pH < 2. Samples # 2, 3, 4, 6, 11, and 12 have a final pH of 2.5.

All 500ml Metals polys received at pH 7. 4ml HNO₃ (Lot # G04026) was added at 1420 by JTO on 12/19/08 to bottles 1-3, 5-8, 10, and 11. 5ml HNO₃ was added at 1445

If applicable, was the client contacted? ☒ YES / NO / NA Contact: J. HixDate/Time: 12/22Project Manager Signature / Date: [Signature] 12/22/08

*IR Gun #2: Oakton, SN 29922500201-0066

*IR Gun #4: Oakton, SN 2372220101-0002

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: Cordillera
 Project Manager: LRS

Workorder No: 0812100
 Initials: LTO Date: 12/19/08

Additional Information:

*pt excursion continued:

by you on 12/19/08 to bottles 4, 9, and 12. All bottles have a final pH < 2. See COC For cross reference IDs.

• Sample # 11 (15-22B) 3 of 9 40ml vials were received smashed. PM notified.

+ Headspace excursions:

Sample #	Count	1 of 9	2 of 9	3 of 9	4 of 9	5 of 9	6 of 9	7 of 9	8 of 9	9 of 9	Result
Sample #1 (7-22B)	1 of 9										> pea.
	↓ ↓	1 of 9									< pea.
#2 (7-22D)	5 of 9										> pea.
	↓ ↓	2 of 9									< pea.
#3 (10-22B)	9 of 9										> pea.
#4 (6-22B)	7 of 9										> pea.
#5 (6-22D)	1 of 9										> pea.
	↓ ↓	1 of 9									< pea.
#6 (16-22D)	7 of 9										> pea.
	↓ ↓	2 of 9									< pea.
#7 (9-22D)	7 of 9										> pea.
	↓ ↓	1 of 9									< pea.
#8 (16-22B)	8 of 9										> pea.
#9 (9-22B)	8 of 9										> pea.
#10 (10-22D)	6 of 9										> pea.
#11 (15-22B)	4 of 9										> pea.
	↓ ↓	1 of 6									< pea.
#12 (15-22D)	8 of 9										> pea.

If applicable, was the client contacted? YES / NO / NA Contact: _____ Date/Time: _____

Project Manager Signature / Date: [Signature] 12/24/08

ORIGIN ID: GJTA (970) 270-2986
TIM DOBRANSKY
CORDILLERAN COMPLIANCE SERVICES, IN
826 21 1/2 ROAD

GRAND JUNCTION, CO 81505
UNITED STATES US

Ship Date: 18DEC08
ActWgt: 40.0 LB MAN
System#: 390082/CAFE2358
Account: S 235727234

TO

PARAGON ANALYTICS
225 COMMERCE DRIVE

FORT COLLINS, CO 80524

(800) 443-1511

FedEx
Express

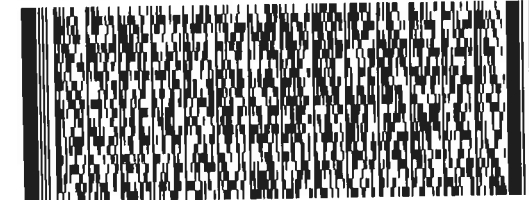


CLS050107/22/23

Ref: 008-2362



0812200



Delivery Address
Barcode

BILL SENDER

PRIORITY OVERNIGHT

TRK# 9660 0451 2571

Form
0201

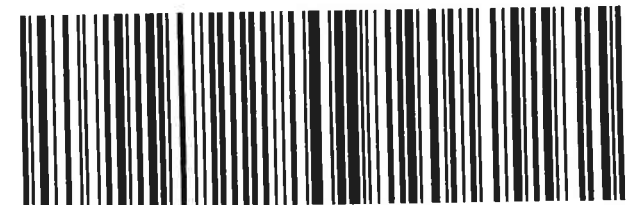
FRI

Deliver By:
19DEC08

DEN AA

80524 -CO-US

72 FTCA



3901 # 130746-2574 4917 06-07

ORIGIN ID: GJTA (970) 270-2986
TIM DOBRANSKY
CORDILLERAN COMPLIANCE SERVICES, IN
826 21 1/2 ROAD

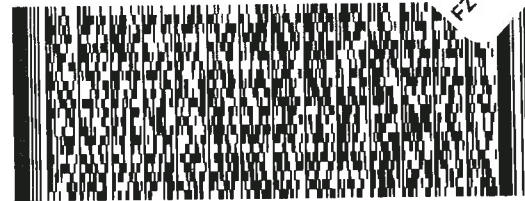
GRAND JUNCTION, CO 81505
UNITED STATES US

Ship Date: 18DEC08
ActWgt: 40.0 LB MAN
System#: 390082/CAFE2358
Account: S 235727234

TO
PARAGON ANALYTICS
225 COMMERCE DRIVE

FORT COLLINS, CO 80524

Ref: 008-2362



Delivery Address
Barcode

3.4

BILL SENDER

0812200

PRIORITY OVERNIGHT

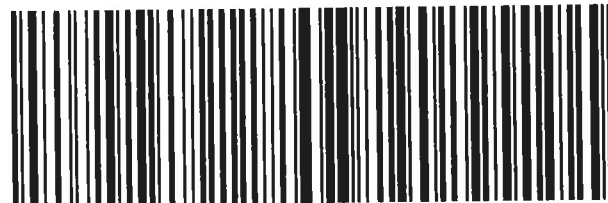
TRK# 9660 0451 2550

Form
0201

DEN

80524 -CO-US

72 FTCA



ORIGIN ID: GJTA (970) 270-2986
TIM DOBRANSKY
CORDILLERAN COMPLIANCE SERVICES, IN
826 21 1/2 ROAD

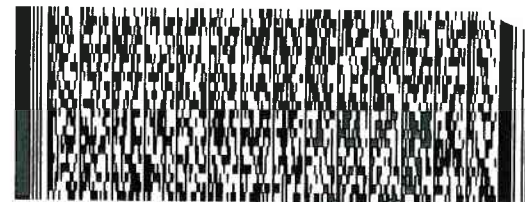
GRAND JUNCTION, CO 81505
UNITED STATES US

Ship Date: 18DEC08
ActWgt: 40.0 LB MAN
System#: 390082/CAFE2358
Account: S 235727234

TO
PARAGON ANALYTICS
225 COMMERCE DRIVE

FORT COLLINS, CO 80524

Ref: 008-2362



BILL SENDER

2.8

0812200

PRIORITY OVERNIGHT

TRK# 9660 0451 2560

Form
0201

DEN

80524 -CO-US

72 FTCA

