PARAGON ANALYTICS
A Division of DataChem Laboratories, Inc.

ALS Laboratory Group
ANALYTICAL CHEMISTRY & TESTING SERVICES

ALS

February 13, 2009

Mr. Keith Greene
Los Alamos National Laboratory SMO
SMO TA-00, Bldg 1237, Drop Point 03U
Los Alamos NM 87545

Re:	ALS Paragon Workorder:	08-12-153
	Client Project Name:	Rock
	Client Project Number:	09-476

Dear Mr. Greene:

[redacted]

scheduled for the following analyses:

Strontium-90	pages 1-123	Isotopic Americium	pages 1-63
Isotopic Uranium	pages 1-70	Gamma Spectroscopy	pages 1-121
Isotopic Plutonium	pages 1-74		

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

[redacted]

ALS Paragon

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0812153
Client Name: Los Alamos National Laboratory SMO
Client Project Name: Rock
Client Project Number: 09-476
Client PO Number: 33204-001-06 F3

Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
CAPU-09-1656	0812153-1		SOLID	09-Dec-08	

0812153

NUMBER: 09-476

3

-443-1511

110300

OMMENTS SPECIAL INSTRUCTIONS

6

0812153

Wednesday, December 10, 2008

LAB CHAIN OF CUSTODY DOCUMENT NUMBER: 09-476C

REQUEST NUMBER: 09-476

LOS ALAMOS

NATIONAL LABORATORY

ATTN: Lance Steere

Paragon Analytics, Inc.

225 Commerce

Fort Collins, CO 80524

TURNAROUND/REPORT DUE: 1/9/2009

TURNAROUND REQ'D: 30

LAB REQUEST COMMENTS: Please Send results, invoice and questions to Keith greene at LANL.

	SAMPLE ID	CTNR	CTNR DESC	ORDER	PRESERV	MATRIX
1	CAPU-09-1656	1	1 L POLY	AM241+GS+ISOPU+ISOU+SR90	None	S

Relinquished By:		Date	Time	Received By:		Date	Time
M. Kaltofen	[signature]	Dec. 15, 2008	10 AM	Cheryl Trimble	Cheryl Trimble	12-16-08	1015
Printed Name	Signature			Printed Name	Signature		
Printed Name	Signature			Printed Name	Signature		
Printed Name	Signature			Printed Name	Signature		

Received for DISPOSAL By: **Date** **Time** **Remarks:**

Printed Name Signature

CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: LANL

Workorder No: 0812153

Project Manager: LS

Initials: CDT

Date: 12-16-08

1. Does this project require any **special handling** in addition to standard Paragon procedures?		YES	(NO)
2. Are custody **seals** on **shipping containers** intact?	NONE	(YES)	NO
3. Are Custody seals on **sample containers** intact?	NONE	(YES)	NO
4. Is there a **COC (Chain-of-Custody) present** or other representative documents?		(YES)	NO
5. Are the **COC and bottle labels complete and legible**?	CT 12-16-08	~~YES~~	(NO)
6. Is the **COC in agreement** with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)		(YES)	NO
7. Were **airbills / shipping documents** present and/or removable?	DROP OFF	(YES)	NO
8. Are all aqueous **samples requiring preservation preserved correctly?** (excluding volatiles)	(N/A)	YES	NO
9. Are all aqueous **non-preserved samples pH 4-9**?	(N/A)	YES	NO
10. Is there **sufficient sample** for the requested analyses?		(YES)	NO
11. Were all samples placed in the **proper containers** for the requested analyses?		(YES)	NO
12. Are all samples within **holding times** for the requested analyses?		(YES)	NO
13. Were all sample containers received **intact**? (not broken or leaking, etc.)		(YES)	NO
14. Are all samples requiring **no** headspace (**VOC, GRO, RSK/MEE, Rx CN/S, radon**) headspace free? **Size of bubble**: ____ < green pea ____ > green pea	(N/A)	YES	NO
15. Do perchlorate LCMS-MS samples **have** headspace? (at least 1/3 of container required)	(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.)	(N/A)	YES	NO
17. Were the samples **shipped on ice**?		YES	(NO)
18. Were cooler temperatures measured at 0.1-6.0°C? IR gun used: #2 #4	(RAD ONLY)	YES	(NO)

[redacted]

Cooler #: 1

Temperature (°C): ~~22.8~~ 23.3 CT 12-16-08

No. of custody seals on cooler: 3

DOT Survey/ Acceptance Information

External µR/hr reading: 13

Background µR/hr reading: 11

Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) / NO / NA (If no, see Form 008.)

...cipient' Copy

ervice — *Packages up to ... lbs.*

- [X] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx ... Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

...ble. Minimum charge: One-pound rate. * To most locations.

vice — *Packages over 150 lbs.*

- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

** To most locations.

- FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [X] Other

* Declared value limit $500.

Include FedEx address in Section 3.

- [ ] **HOLD Weekday** at FedEx Location — Not available for FedEx First Overnight.
- [ ] **HOLD Saturday** at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

...n dangerous goods? ...checked.

- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry ice, 9, UN 1845 _____ x _____ kg
- [ ] Cargo Aircraft Only

...ot be shipped in FedEx packaging.

Enter FedEx Acct. No. or Credit Card No. below. — Obtain Recip. Acct. No. [ ]

...cipient [ ] Third Party [ ] Credit Card [ ] Cash/Check

Total Weight 3

Credit Card Auth.

...declare a higher value. See the current FedEx Service Guide for details.

...ery Signature Options If you require a signature, check Direct or Indirect.

- Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

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