



PARAGON ANALYTICS

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

June 18, 2004

Ms. Sally Cuffin
New Horizons
6585 S. Wright St.
Littleton, CO 80127

Re: Paragon Workorder: 04-04-241
Client Project Name: CSMRI
Client Project Number: 2135

Dear Ms. Cuffin:

Twelve soil samples were received from New Horizons on April 23, 2004. The samples were scheduled for the following analyses:

TCLP Metals	pages 1-16	Gamma Spectroscopy_1	pages 1-11
Isotopic Thorium	pages 1-73	Gamma Spectroscopy_2	pages 1-31
Isotopic Uranium	pages 1-83	Lead-210 by Liquid Scintillation	pages 1-16
Isotopic Polonium	pages 1- 75		

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

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

Sincerely,

Paragon Analytics
Debbie Fazio
Project Manager

DJF/ja
Enclosure: Report

Paragon Analytics

Sample Number(s) Cross-Reference Table

Paragon OrderNum: 0404241

Client Name: New Horizons

Client Project Name: CSMRI

Client Project Number: 2135

Client PO Number:

Client Sample	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
BB04	0404241-1		SOIL	16-Apr-04	13:10
BI17	0404241-2		SOIL	19-Apr-04	11:00
BI17	0404241-3		SOIL	19-Apr-04	11:00
BI37	0404241-4		SOIL	19-Apr-04	14:15
BI37	0404241-5		SOIL	19-Apr-04	14:15
BI42	0404241-6		SOIL	19-Apr-04	15:15
BI42	0404241-7		SOIL	19-Apr-04	15:15
H07	0404241-8		SOIL	22-Apr-04	13:00
H07	0404241-9		SOIL	22-Apr-04	13:00
H07S	0404241-10		SOIL	22-Apr-04	13:05
H07S	0404241-11		SOIL	22-Apr-04	13:05
BB04	0404241-12		SOIL	16-Apr-04	13:10
H07	0404241-13		LEACHAT	22-Apr-04	13:00
H07S	0404241-14		LEACHAT	22-Apr-04	13:05



Paragon Analyticals, Inc.

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

Chain-of-Custody

Accession Number (LAB ID) 0409241

Date 4/23/04 Page 1 of 1

Project Name / No.: CSURT / 2135
 Sampler(s): * see comments (circle one) Turnaround: Standard or Rush (due) Dispose or Return to Client

Report To: Sally Cuffin
 Phone: 303 995-3590
 Fax: 303-973-8906 (cell first)
 Company: NHEC
 Address: 21 Davin Health Drive
 Littleton, CO 80127

Sample ID	Date	Time*	Lab ID	Matrix	No. of Containers	circle method or specify under comments	
						VOCS	SVOCs
BB04	4/16/04	1310	1	S	1		
BT17	4/19/04	1100	2/3	S	2		
BT37	↓	1415	4/5	S	2		
BT42	↓	1515	6/7	S	2		
H07	4/22/04	1300	8/9	S	2		
H07S	↓	1305	10/11	S	2		

VOCS	SW8260B E624 E524 2 O.L.M.O.
BTEX (only)	SW8021B
SVOCs	SW8270C E626 E525 O.L.M.O.
OC Pesticides	SW8081A E608 E508 O.L.M.O.
PCBS	SW8082 E608 E508 O.L.M.O.
OP Pesticides	SW8141A E614
Herbicides	SW8151A E615
TCLP Organics	SW1311 8260B 8270C 8081A 8151A
TCLP Metals	SW 1311 6010B 7471
Total Metals	SW6010B 7470 7471 E200 I.L.M.O.
Dissolved Metals	SW6010B 7470 E200 I.L.M.O.
Reactive CN / S	SW646 Chapter 7
Hexavalent Chromium	SW7196A Alkaline Digest? Y / N
Inorganic Anions **	SW9056 E300 0
pH	SW9040B 9045C
Oil & Grease	SW9071A E413 2
TPH	GRO DRO SW8015B (both)
TOX	SW9020B
Gross Alpha / Beta	SW9310 E900 0
Actinides by PAI SOP (circle) Pu / U / Am / Th / Cm	D5174-91
Total Uranium by KPA	D5174-91
Tritium	E906 0
Total Alpha-Emitting Radium	SW9315 E903 0
Radium 226	SW9315 E903 0 Radium 228 SW9320 E904 0
Strontium 89	D5811-95
Strontium 90	D5811-95
Gamma Isotopes **	E901 1

Reinquinshed By: (1) Signature Sally M. Cuffin, Printed Name Sally M. Cuffin, Date 4/23/04, Time 11:00, Company NHEC
 (2) Signature _____, Printed Name _____, Date _____, Time _____, Company _____

Received By: (1) Signature _____, Printed Name _____, Date 4/23/04, Time 15:30, Company Paragon Analyticals
 (2) Signature _____, Printed Name _____, Date _____, Time _____, Company _____

Comments:
 * Drew Pitzer
 Efram Aquita
 George Tripp
 George
 ** Rush gamma screen - then do alpha specific isotopic Th, U, Pb-210, Po-210
 * Perform TCLP metals - arsenic, cadmium, chromium, lead, selenium, silver, vanadium, zinc, mercury, molybdenum - use alpha spec container
 Form 20214.xls (1/3/01)

Distribution: white / yellow (Paragon); pink retained by originator.

* Time Zone (circle one): EST CST MST PST ** Indicate specific analytes under comments.

Paragon Analytics, Inc. -- Fort Collins, Colorado

CONDITION OF SAMPLE UPON RECEIPT FORM

CLIENT: New Horizons WORKORDER NO: 0404241

PROJECT MANAGER: Deb Fazio INITIALS: DF DATE: 4/23/04

1. Does this project require any special handling in addition to standard Paragon procedures? IS PRE-SCREENING REQUIRED? (radiochemistry, DOE, etc.)		Yes	<input checked="" type="radio"/> No
2. Are custody seals on shipping containers intact? How many custody seals are provided? _____	<input checked="" type="radio"/> N/A	Yes	No
3. Are the custody seals on sample containers intact?	<input checked="" type="radio"/> N/A	Yes	No
4. Is there a Chain-of-Custody (COC) or other representative documents, letters, or shipping memos?		<input checked="" type="radio"/> Yes	No
5. Is the COC complete? Relinquished: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Analyses Requested: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	<input checked="" type="radio"/> Yes	No
6. Is the COC in agreement with the samples received? No. of Samples: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Sample ID's: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Matrix: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> No. of Containers: Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	<input checked="" type="radio"/> Yes	No
7. Were COC (if applicable) and sample labels legible?		<input checked="" type="radio"/> Yes	No
8. Were airbills present and/or removable?	<input checked="" type="radio"/> N/A	Yes	No
9. Are all aqueous samples requiring chemical preservation preserved correctly (excluding volatile organics)? Are all aqueous non-preserved samples at the correct pH?	<input checked="" type="radio"/> N/A	Yes	No
10. Is there enough sample for requested analyses? If so, were samples placed in the proper containers?		<input checked="" type="radio"/> Yes	No
11. Are all samples within holding times for the requested analyses?		<input checked="" type="radio"/> Yes	No
12. Were all sample containers received intact? (not broken or leaking, etc.)		<input checked="" type="radio"/> Yes	No
13. Are samples requiring no headspace (volatiles, reactive cyanide/sulfide, radon), headspace free? Size of bubble: ___ < green pea; ___ > green pea (List sample IDs and affected containers on Page 2)	<input checked="" type="radio"/> N/A	Yes	No
14. Were samples checked for and free from the presence of residual chlorine?	<input checked="" type="radio"/> N/A	Yes	No
15. Were the sample(s) shipped on ice?	<input checked="" type="radio"/> N/A	Yes	No
16. Were cooler temperatures measured at 0.1 - 6 °C? IR Gun Used*: 1 2	<input checked="" type="radio"/> N/A	Yes	No
17. Were all samples cooled that should have been cooled?	<input checked="" type="radio"/> N/A	Yes	No

Cooler #'s 1
 Temperature Ambient °C
 Project Manager Signature / Date: Debbi Fazio 4/26/04

A NO RESPONSE TO ANY QUESTION EXCEPT # 1 REQUIRES THE COMPLETION OF PAGE 2 OF THIS FORM

* IR Gun #1 (original): Raytek, SN SC-PM3/T29403
 IR Gun #2 (newer): Oakton, SN 2SCIR1201