This report consists of the analytical results for three soil samples received by Paragon on 05/26/04.

These samples were prepared according to Paragon Analytics procedures PA SOP721R10, PA SOP773R8, and PA SOP778R9.

The samples were analyzed for the presence of isotopic uranium according to Paragon Analytics procedure PA SOP714R8. The analyses were completed on 06/18/04.

The isotopic analysis results for these samples are reported on a dry weight basis in units of pCi/gram.

This analytical method quantifies U-235 alpha activity in a specific region of interest corresponding to emission energies between those of U-234 and U-238. A potential limitation of this method is that measurable amounts of U-234 in the sample may cause a small amount of characteristic activity in the U-235 region of interest due to poorly resolved alpha activity at the boundary between the two regions. To minimize the potential for a high bias in the U-235 analytical results, the U-235 region of interest has been narrowed and limited to a lower energy region. An 85.1% abundance correction has been made to the final U-235 results.

Paragon Analytics follows the convention outlined in ANSI N42.23 for reporting significant digits in the TPU and MDC results. ANSI N42.23 states that the TPU result should be rounded to two significant digits and that the MDC result should be rounded to the same decimal place as the TPU result. In practice, this could result in an MDC result with a reported value of 0 for samples with significant activity, including the batch laboratory control sample.

No anomalous situations were encountered during the preparation or analysis of these samples. All quality control criteria were met.
The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, Paragon Analytics certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Skye Dobberstein
Radiochemistry Instrumentation

Date

Radiochemistry Final Data Review

Date

6/24/04
Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 8
Method Blank Results

Lab Name: Paragon Analytics
Work Order Number: 0405215
Client Name: New Horizons
Client Project ID: CSMRI 2135

Lab ID: AS040610-1MB
Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 9
Date Collected: 10-Jun-04
QC Batch ID: AS040610-1-2
Run ID: AS040610-1a
Date Prepared: 10-Jun-04
Count Time: 300 minutes
Final Aliquot: 2.00 g
Result Units: pCi/g
File Name: UR6101B

<table>
<thead>
<tr>
<th>CASNO</th>
<th>Target Nuclide</th>
<th>Result +/- 2 s TPU</th>
<th>MDC</th>
<th>Lab Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>15998-29-5</td>
<td>U-234</td>
<td>0.013 +/- 0.016</td>
<td>0.028</td>
<td>U</td>
</tr>
<tr>
<td>15117-96-1</td>
<td>U-235</td>
<td>-0.004 +/- 0.013</td>
<td>0.020</td>
<td>U</td>
</tr>
<tr>
<td>7440-61-1</td>
<td>U-238</td>
<td>0.017 +/- 0.017</td>
<td>0.026</td>
<td>U</td>
</tr>
</tbody>
</table>

Chemical Yield Summary

<table>
<thead>
<tr>
<th>Carrier/Tracer</th>
<th>Amount Added</th>
<th>Result</th>
<th>Units</th>
<th>Yield</th>
<th>Control Limits</th>
<th>Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-232</td>
<td>4.267</td>
<td>3.48 pCi/g</td>
<td>81.8</td>
<td>30 - 110 %</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Comments:

Qualifiers/Flags:
U - Result is less than the sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
LT - Result is less than Requested MDC, greater than sample specific MDC.

Abbreviations:
TPU - Total Propagated Uncertainty (see PAI SOP 743)
MDC - Minimum Detectable Concentration (see PAI SOP 709)
BDL - Below Detection Limit

M - Requested MDC not met.
B - Analyte concentration greater than MDC.
B3 - Analyte concentration greater than MDC but less than Requested MDC.

Data Package ID: U0405215-1

Date Printed: Thursday, June 24, 2004
Isotopic Uranium By Alpha Spectroscopy
PAI 714 Rev 8
Laboratory Control Sample(s)

Lab Name: Paragon Analytics  
Work Order Number: 0405215  
Client Name: New Horizons  
ClientProject ID: CSMRI 2135

<table>
<thead>
<tr>
<th>CASNO</th>
<th>Target Nuclide</th>
<th>Results +/- 2s TPU</th>
<th>MDC</th>
<th>Spike Added</th>
<th>% Rec</th>
<th>Control Limits</th>
<th>Lab Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>13966-29-5</td>
<td>U-234</td>
<td>4.44 +/- 0.73</td>
<td>0.04</td>
<td>4.34</td>
<td>102</td>
<td>82 - 122</td>
<td>P</td>
</tr>
<tr>
<td>7440-81-1</td>
<td>U-238</td>
<td>4.83 +/- 0.79</td>
<td>0.03</td>
<td>4.50</td>
<td>107</td>
<td>82 - 122</td>
<td>P</td>
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</tbody>
</table>

Chemical Yield Summary

<table>
<thead>
<tr>
<th>Carrier/Tracer</th>
<th>Amount Added</th>
<th>Result</th>
<th>Units</th>
<th>Yield</th>
<th>Control Limits</th>
<th>Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-232</td>
<td>4.287</td>
<td>3.30</td>
<td>pCi/g</td>
<td>79.4</td>
<td>30 - 110 %</td>
<td></td>
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Comments:
Qualifiers/Flags:
U - Result is less than the sample specific MDC.
LT - Result is less than Requested MDC, greater than sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
L - LCS Recovery below lower control limit.
H - LCS Recovery above upper control limit.
P - LCS Recovery within control limits.
M - The requested MDC was not met.
M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

Data Package ID: U0405215-1

Date Printed: Thursday, June 24, 2004
Paragon Analytics  
LIMS Version: 6.038A
Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 8
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405215
Client Name: New Horizons
ClientProject ID: CSMRI 2135

Field ID: SDA3
Lab ID: 0405215-1

Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 9
Date Collected: 13-May-04
Date Prepared: 10-Jun-04
Date Analyzed: 18-Jun-04

Prep Batch: AS040610-1
QCBatchID: AS040610-1-2
Run ID: AS040610-1a
Count Time: 300 minutes
Report Basis: Dry Weight
Final Aliquot: 2.02 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: US2151

<table>
<thead>
<tr>
<th>CASNO</th>
<th>Target Nuclide</th>
<th>Result +/- 2 s TPU</th>
<th>MDC</th>
<th>Lab Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>13966-29-5</td>
<td>U-234</td>
<td>16.6 +/- 2.6</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>15117-86-1</td>
<td>U-235</td>
<td>0.80 +/- 0.18</td>
<td>0.02</td>
<td></td>
</tr>
<tr>
<td>7440-61-1</td>
<td>U-238</td>
<td>16.3 +/- 2.6</td>
<td>0</td>
<td></td>
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</tbody>
</table>

Chemical Yield Summary

<table>
<thead>
<tr>
<th>Carrier/Tracer</th>
<th>Amount Added</th>
<th>Result</th>
<th>Units</th>
<th>Yield</th>
<th>Control Limits</th>
<th>Flag</th>
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</thead>
<tbody>
<tr>
<td>U-232</td>
<td>4.232</td>
<td>3.48</td>
<td>pCi/g</td>
<td>82.3</td>
<td>30 - 110 %</td>
<td></td>
</tr>
</tbody>
</table>

Comments:

Qualifiers/Flags:
U - Result is less than the sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
LT - Result is less than Requested MDC, greater than sample specific MDC.
M9 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
M - The requested MDC was not met.

Abbreviations:
TPE - Total Propagated Uncertainty (see PAI SOP 743)
MDC - Minimum Detectable Concentration (see PAI SOP 700)
BOL - Below Detection Limit

Data Package ID: U0405215-1

Data Printed: Thursday, June 24, 2004
Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 8
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405215
Client Name: New Horizons
Client Project ID: CSMRI 2135

Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 9
Date Collected: 26-May-04
Date Prepared: 10-Jun-04
Date Analyzed: 18-Jun-04
Prep Batch: AS040610-1
QC Batch ID: AS040610-1-2
Run ID: AS040610-1a
Count Time: 300 minutes
Report Basis: Dry Weight
Final Aliquot: 2.11 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: U52152

<table>
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<th>CASNO</th>
<th>Target Nuclide</th>
<th>Result +/- 2 s TPU</th>
<th>MDC</th>
<th>Lab Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>13900-29-5</td>
<td>U-234</td>
<td>0.85 +/- 0.16</td>
<td>0.03</td>
<td></td>
</tr>
<tr>
<td>15117-96-1</td>
<td>U-235</td>
<td>0.038 +/- 0.023</td>
<td>0.019</td>
<td>LT</td>
</tr>
<tr>
<td>7440-61-1</td>
<td>U-238</td>
<td>0.88 +/- 0.17</td>
<td>0.03</td>
<td></td>
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</tbody>
</table>

Chemical Yield Summary

<table>
<thead>
<tr>
<th>Carrier/Tracer</th>
<th>Amount Added</th>
<th>Result</th>
<th>Units</th>
<th>Yield</th>
<th>Control Limits</th>
<th>Flag</th>
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</thead>
<tbody>
<tr>
<td>U-232</td>
<td>4.046</td>
<td>3.50</td>
<td>pCi/g</td>
<td>86.6</td>
<td>30 - 110 %</td>
<td></td>
</tr>
</tbody>
</table>

Comments:

- Qualifiers/Flags:
  - U - Result is less than the sample specific MDC.
  - Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
  - Y2 - Chemical Yield outside default limits.
  - LT - Result is less than Requested MDC, greater than sample specific MDC.
  - M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
  - M - The requested MDC was not met.

- Abbreviations:
  - TPU - Total Propagated Uncertainty (see PAI SOP 743)
  - MDC - Minimum Detectable Concentration (see PAI SOP 706)
  - BDL - Below Detection Limit

Data Package ID: U0405215-1

Date Printed: Thursday, June 24, 2004
Paragon Analytics
LIMS Version: 5.066A
Isotopic Uranium By Alpha Spectroscopy

PAI 714 Rev 8
Sample Results

Lab Name: Paragon Analytics
Work Order Number: 0405215
Client Name: New Horizons
ClientProject ID: CSMRI 2135

Field ID: C2102M
Lab ID: 0405215-3

Sample Matrix: SOIL
Prep SOP: PAI 778 Rev 9
Date Collected: 26-May-04
Data Prepared: 10-Jun-04
Date Analyzed: 18-Jun-04

Prep Batch: AS040610-1
QCBatchID: AS040610-1-2
Run ID: AS040610-1a
Count Time: 300 minutes
Report Basis: Dry Weight
Final Aliquot: 2.08 g
Prep Basis: Dry Weight
Moisture(%): NA
Result Units: pCi/g
File Name: U52153

<table>
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<tr>
<th>CASNO</th>
<th>Target Nuclide</th>
<th>Result +/- 2 s TPU</th>
<th>MDC</th>
<th>Lab Qualifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>13965-29-5</td>
<td>U-234</td>
<td>0.91 +/- 0.17</td>
<td>0.03</td>
<td></td>
</tr>
<tr>
<td>15117-99-1</td>
<td>U-235</td>
<td>0.041 +/- 0.025</td>
<td>0.021</td>
<td>LT</td>
</tr>
<tr>
<td>7440-51-1</td>
<td>U-238</td>
<td>0.95 +/- 0.18</td>
<td>0.02</td>
<td></td>
</tr>
</tbody>
</table>

Chemical Yield Summary

<table>
<thead>
<tr>
<th>Carrier/Tracer</th>
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<th>Result</th>
<th>Units</th>
<th>Yield</th>
<th>Control Limits</th>
<th>Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>U-232</td>
<td>4.104</td>
<td>3.26</td>
<td>pCi/g</td>
<td>79.3</td>
<td>30 - 110 %</td>
<td></td>
</tr>
</tbody>
</table>

Comments:

Qualifiers/Flags:
U - Result is less than the sample specific MDC.
Y1 - Chemical Yield is in control at 100-110%. Quantitative Yield is assumed.
Y2 - Chemical Yield outside default limits.
LT - Result is less than Requested MDC, greater than sample specific MDC.
M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.
M - The requested MDC was not met.

Abbreviations:
TPU - Total Propagated Uncertainty (see PAI SOP 745)
MDC - Minimum Detectable Concentration (see PAI SOP 709)
BDL - Below Detection Limit

Data Package ID: U0405215-1

Date Printed: Thursday, June 24, 2004