Report Generated On: 12/08/00 3:34:50 PM
Sample Identification: ENV00139
Spectrum Description: 4373 Soil from Inlet/Outlet Septic Dist
MCA Number: System # 1
Sample Type: Soil
Sample Geometry: 1
Peak Locate Threshold: 4.00
Peak Locate Range (in channels): 200 - 16384
Peak Area Range (in channels): 1 - 16384
Identification Energy Tolerance: 1.000 keV
Sample Size: 6.600E+002 Gram
Sample Taken On: 12/07/00 9:00:00 AM
Acquisition Started: 12/08/00 2:41:47 PM
Live Time: 1100.0 seconds
Real Time: 1100.3 seconds

Energy Calibration Used Done On: 11/29/00
Efficiency Calibration Used Done On: 11/29/00

Report Reviewed and Conforms to N0010P000028 By: G.R.Madsen Date: 12-8-00
Radiation Safety

NOTE: COPY1

0.15 pCi/1g Cs-137
Sample Identification : ENV00139

<table>
<thead>
<tr>
<th>Nuclide Name</th>
<th>Nuclide Id</th>
<th>Wt mean Activity (pCi/Gram)</th>
<th>Wt mean Uncertainty</th>
<th>Percent Activity</th>
<th>MDA Name</th>
<th>Confidence (pCi/Gram )</th>
</tr>
</thead>
<tbody>
<tr>
<td>K-40</td>
<td>1.000</td>
<td>1.788E+001</td>
<td>2.128E+000</td>
<td>88.84%</td>
<td></td>
<td>6.419E-001</td>
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<tr>
<td>CS-137</td>
<td>0.966</td>
<td>1.547E-001</td>
<td>4.443E-002</td>
<td>0.77%</td>
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<td>4.373E-002</td>
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<tr>
<td>Tl-208</td>
<td>0.650</td>
<td>3.581E-001</td>
<td>7.199E-002</td>
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<td>6.493E-002</td>
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<tr>
<td>PB-212 @</td>
<td>0.761</td>
<td>1.018E+000</td>
<td>1.383E-001</td>
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<td>1.239E-001</td>
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<tr>
<td>PB-214 @</td>
<td>0.683</td>
<td>7.141E-001</td>
<td>1.005E-001</td>
<td>3.55%</td>
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<td>1.201E-001</td>
</tr>
</tbody>
</table>

Total Sample Activity... 2.0127E+001 pCi/Gram

? = nuclide is part of an undetermined solution
X = nuclide rejected by the interference analysis
@ = nuclide contains energy lines not used in Weighted Mean Activity

Errors quoted at 2.000 sigma