# Table 9
# Validated SAT Soil Analytical Results Summary (Radioisotopes)
# Canadian Uranium Radiological Site
# Kisco Avenue, Mount Kisco, New York

| | Location No. | S07 | | | S08 | | | S01 | | | S02 | | | S03 | | | S04 | | | S09 | | | S05 | | | S06 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SAT Sample No. | **S07 (12-24)** | | | **S08 (24-36)** | | | **S01 (24-36)** | | | **S02 (0-12)** | | | **S03 (0-12)** | | | **S04 (36-48)** | | | **S09 (36-48)*** | | | **S05 (0-12)** | | | **S06 (0-12)** | | |
| | Sample Depth (inches) | 12 - 24 | | | 24 - 36 | | | 24 - 36 | | | 0 - 12 | | | 0 - 12 | | | 36 - 48 | | | 36 - 48 | | | 0 - 12 | | | 0 - 12 | | |
| | Sample Matrix | Soil | | | Soil | | | Soil | | | Soil | | | Soil | | | Soil | | | Soil | | | Soil | | | Soil | | |
| | Sample Result | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty | Value (pCi/g) | Qualifier | Total Uncertainty |
| **Radioisotope** | **EPA SSAL** | **Background** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Uranium-238 | 142 | 0.462 | | 0.15 | 0.417 | | 0.143 | 0.380 | | 0.123 | 0.849 | | 0.177 | 0.749 | | 0.159 | 0.327 | | 0.129 | 0.516 | | 0.159 | 0.429 | | 0.151 | 0.773 | | 0.187 |
| Thorium-230 | 1,850 | 0.407 | | 0.14 | 0.575 | | 0.175 | 0.999 | | 0.163 | 64.6 | | 5.53 | 58.1 | | 4.99 | 4.63 | | 0.605 | 5.82 | | 0.691 | 1.81 | | 0.311 | 83.3 | | 7.27 |
| Uranium-233/234 | 2,930 | 0.374 | | 0.133 | 0.299 | | 0.0401 | 0.428 | | 0.132 | 0.781 | | 0.168 | 0.769 | | 0.0501 | 0.383 | | 0.138 | 0.356 | | 0.131 | 0.606 | | 0.181 | 0.702 | | 0.179 |
| Radium-226** | NS | 0.894 | | 0.235 | 3.44 | | 0.487 | 22.0 | | 2.4 | 135 | | 14.1 | 129 | | 13.5 | 14.0 | | 1.59 | 15.4 | | 1.72 | 109 | | 11.5 | 109 | | 11.5 |
| Thorium-232 | 1,780 | 0.508 | | 0.153 | 0.547 | | 0.169 | 0.557 | | 0.115 | 0.842 | | 0.14 | 0.766 | | 0.134 | 0.879 | | 0.216 | 0.624 | | 0.171 | 0.605 | | 0.165 | 0.739 | | 0.194 |
| Radium-228 | 14.6 | 0.843 | | 0.239 | 1.35 | | 0.342 | 1.05 | | 0.389 | ND | | | ND | | | 0.975 | | 0.369 | 1.25 | | 0.35 | 1.79 | | 0.963 | ND | | |
| Thorium-228 | 12,000 | 0.43 | | 0.145 | 0.567 | | 0.175 | 0.626 | | 0.125 | 1.07 | | 0.165 | 0.884 | | 0.148 | 0.850 | | 0.21 | 0.808 | | 0.197 | 0.589 | | 0.168 | 0.794 | | 0.207 |
| Uranium-235/236 | 33.9 | ND | | | ND | | | ND | | | 0.0741 | | 0.0546 | 0.0704 | | 0.0501 | ND | | | ND | | | ND | | | ND | | |

**Notes:**

No. - Number; NS - Not Specified; ND - Non-Detect.

pCi/g = picocuries per gram.

Analytical data is based on November 2013 site assessement conducted by Weston Solutions, Inc., Site Assessment Team (SAT).

**S09 (36-48)* is a duplicate of S04 (36-48)**

EPA SSAL - U.S. Environmental Protection Agency Site-Specific Action Level [Preliminary Remediation Goals (PRGs)], values in pCi/g.

**Radium-226 (Non-ingrowth) gamma spectroscopy via EPA GA-01-R.



ED_006395_00000362-00001