

Analysis Report



CANTEST LTD.

REPORT ON: Analysis of Soil Samples

Professional
Analytical
Services

REPORTED TO: Environmental Dynamics Inc.
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Prince George, BC
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Att'n: Pat Tobler

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cc: Environmental Dynamics 3128 3rd Avenue Whitehorse YK Y1A 1E7

1 800 665 8566

CHAIN OF CUSTODY: 190465, 190461, 190462, 190463

NUMBER OF SAMPLES: 78

REPORT DATE: February 21, 2006

DATE SUBMITTED: November 18, 2005

GROUP NUMBER: 61122053

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science, 1993. The test was performed using a deionized water leach with measurement by pH meter.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

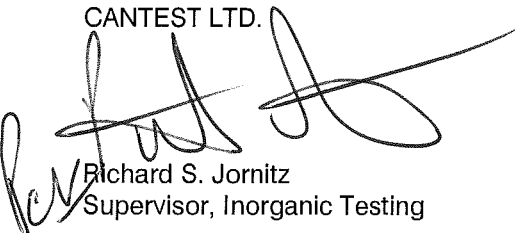
Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

TEST RESULTS:

(See following pages)

CANTEST LTD.



Richard S. Jornitz
Supervisor, Inorganic Testing

Page 1 of 29



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | CANTEST ID | pH |
|-------------------------------|------------|-----|
| D@R-1/-2/-3 | 511220311 | 7.4 |
| D@R-1/-2/-3 dup | 511220312 | 7.4 |
| UD-1/-2/-3 | 511220313 | 7.7 |
| UD-1/-2/-3 dup | 511220314 | 7.7 |
| VIC-DSD-1/-2/-3 | 511220315 | 7.8 |
| VIC-DSD-1/-2/-3 dup | 511220316 | 7.8 |
| VIC-USB-1/-2/-3 | 511220317 | 7.6 |
| VIC@R-1/-2/-3 | 511220318 | 7.4 |
| BSP-1/-2/-3 | 511220319 | 7.9 |
| VIC-DSB-1/-2/-3 | 511220320 | 7.8 |
| 1-V1 | 511220321 | 7.6 |
| 1-V2 | 511220322 | 7.6 |
| 1-V3 | 511220323 | 7.5 |
| 1-V4 | 511220324 | 7.5 |
| 1-V5 | 511220325 | 7.6 |
| 11-V1 | 511220326 | 7.5 |
| 1-D1 | 511220327 | 7.9 |
| 1-D2 | 511220328 | 7.3 |
| 1-D3 | 511220329 | 7.6 |
| 1-D4 | 511220330 | 7.7 |
| 1-D5 | 511220331 | 7.8 |
| 2-C3-1 | 511220332 | 6.5 |
| 1-J1-1 | 511220337 | 7.6 |
| 2-J2-1 | 511220338 | 6.7 |
| 2-J1-1 | 511220339 | 7.2 |
| 2-O1-2 | 511220340 | 5.8 |
| 1-J2-1 | 511220341 | 7.5 |
| 1-K2-1 | 511220342 | 7.2 |
| 1-C3-2 | 511220343 | 5.9 |
| 2-K2-1 | 511220344 | 5.8 |
| 1-C3-1 | 511220345 | 5.8 |
| 1-P1-1 | 511220347 | 7.3 |
| 3-R2-1 | 511220348 | 6.4 |
| 2-R2-1 | 511220349 | 5.8 |
| 1-R2-1 | 511220350 | 4.8 |
| 1-P2-1 | 511220351 | 5.3 |
| 3-P2-1 | 511220353 | 6.3 |
| 2-P1-1 | 511220354 | 6.9 |

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REPORTED TO: Environmental Dynamics Inc.



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GROUP NUMBER: 61122053

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | CANTEST ID | pH |
|-------------------------------|------------|-----|
| 2-P2-1 | 511220355 | 6.1 |
| 2-P3-1 | 511220356 | 6.4 |
| 1-P3-1 | 511220357 | 5.0 |
| 2-P3-2 | 511220358 | 6.1 |
| 3-P3-1 | 511220362 | 5.9 |
| 3-H2-1 | 511220363 | 6.0 |
| 1-H2-1 | 511220365 | 5.7 |
| 2-H2-1 | 511220367 | 6.2 |
| 3-G1-1 | 511220368 | 6.3 |
| 1-G1-2 | 511220369 | 6.6 |
| 1-G1-1 | 511220370 | 6.7 |
| 2-G1-1 | 511220371 | 6.7 |
| 1-R3-1 | 511220373 | 7.6 |
| 2-R3-1 | 511220375 | 7.3 |
| 1-H1-1 | 511220376 | 5.6 |
| 2-H1-1 | 511220377 | 6.3 |
| 1-G2-1 | 511220378 | 6.7 |
| 2-G2-1 | 511220379 | 6.8 |
| 3-G2-1 | 511220381 | 6.2 |
| 1-I1-1 | 511220382 | 5.9 |
| 2-I1-1 | 511220383 | 6.0 |
| 3-B1-1 | 511220384 | 6.1 |
| 2-B1-1 | 511220386 | 5.8 |
| 1-B1-1 | 511220387 | 4.9 |
| 1-H3-1 | 511220389 | 5.6 |
| 2-H3-1 | 511220390 | 5.8 |
| 3-H3-1 | 511220391 | 5.4 |
| 3-I1-1 | 511220392 | 5.9 |
| 3-I1-2 | 511220393 | 6.0 |
| 3-I2-1 | 511220394 | 6.0 |
| 2-I2-1 | 511220395 | 5.8 |
| 1-I2-1 | 511220396 | 5.9 |
| 1-C1-1 | 511220398 | 5.1 |
| 2-C1-1 | 511220399 | 5.7 |
| 3-C1-1 | 511220402 | 6.1 |
| 1-O1-1 | 511220409 | 6.1 |
| 2-O1-1 | 511220412 | 5.8 |
| 3-C2-1 | 511220414 | 6.5 |
| 2-C2-1 | 511220415 | 5.2 |

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REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | CANTEST ID | pH |
|-------------------------------|------------|-----------------|
| 1-C2-1 | 511220416 | 5.3 |
| DETECTION LIMIT UNITS | | 0.1 pH units |



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Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | D@R-1/-2/-3 | D@R-1/-2/-3 dup | UD-1/-2/-3 | UD-1/-2/-3 dup | DETECTION LIMIT |
|-------------------------------|----|-------------|-----------------|------------|----------------|-----------------|
| CANTEST ID: | | 511220311 | 511220312 | 511220313 | 511220314 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 206 | 216 | 38 | 35 | 10 |
| Barium | Ba | 43 | 46 | 55 | 47 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 1.7 | 1.7 | 0.5 | < | 0.5 |
| Chromium | Cr | 13 | 14 | 13 | 13 | 2 |
| Cobalt | Co | 4 | 4 | 5 | 5 | 1 |
| Copper | Cu | 7 | 7 | 16 | 15 | 1 |
| Lead | Pb | 25 | 24 | 5 | 6 | 5 |
| Mercury | Hg | < | < | < | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 6 | 6 | 7 | 7 | 2 |
| Selenium | Se | < | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 38 | 39 | 30 | 29 | 1 |
| Zinc | Zn | 54 | 55 | 46 | 43 | 1 |
| Aluminum | Al | 5060 | 5030 | 6310 | 6180 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 4110 | 4150 | 5630 | 5440 | 1 |
| Iron | Fe | 15200 | 15600 | 12800 | 12400 | 2 |
| Magnesium | Mg | 2210 | 2220 | 2770 | 2730 | 0.1 |
| Manganese | Mn | 159 | 165 | 228 | 223 | 1 |
| Phosphorus | P | 803 | 789 | 715 | 681 | 20 |
| Potassium | K | 396 | 395 | 494 | 487 | 10 |
| Sodium | Na | 165 | 163 | 201 | 185 | 5 |
| Strontium | Sr | 16 | 16 | 21 | 20 | 1 |
| Titanium | Ti | 262 | 266 | 306 | 298 | 1 |
| Zirconium | Zr | 1 | 1 | 1 | 1 | 1 |

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GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | VIC-DSD-1/ -2/-3 | VIC-DSD-1/ -2/-3 dup | VIC-USB-1/ -2/-3 | VIC@R-1/-2 /-3 | DETECTION LIMIT |
|-------------------------------|----|---------------------|----------------------------|---------------------|-------------------|--------------------|
| CANTEST ID: | | 511220315 | 511220316 | 511220317 | 511220318 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | < | < | < | < | 10 |
| Barium | Ba | 69 | 72 | 67 | 59 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | < | < | < | 0.5 |
| Chromium | Cr | 11 | 11 | 10 | 8 | 2 |
| Cobalt | Co | 3 | 4 | 3 | 3 | 1 |
| Copper | Cu | 6 | 6 | 5 | 4 | 1 |
| Lead | Pb | 6 | 6 | < | < | 5 |
| Mercury | Hg | 0.012 | 0.010 | < | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 5 | 5 | 4 | 4 | 2 |
| Selenium | Se | < | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 30 | 33 | 27 | 25 | 1 |
| Zinc | Zn | 31 | 32 | 26 | 26 | 1 |
| Aluminum | Al | 4880 | 5020 | 4670 | 4070 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 2910 | 3060 | 2800 | 2650 | 1 |
| Iron | Fe | 11500 | 12100 | 10500 | 10000 | 2 |
| Magnesium | Mg | 1870 | 1900 | 1800 | 1620 | 0.1 |
| Manganese | Mn | 192 | 196 | 118 | 172 | 1 |
| Phosphorus | P | 687 | 717 | 656 | 614 | 20 |
| Potassium | K | 320 | 326 | 297 | 269 | 10 |
| Sodium | Na | 121 | 122 | 112 | 107 | 5 |
| Strontium | Sr | 16 | 16 | 16 | 13 | 1 |
| Titanium | Ti | 259 | 279 | 245 | 233 | 1 |
| Zirconium | Zr | 1 | 1 | < | < | 1 |

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GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | BSP-1/-2/-3 | VIC-DSB-1/-2/-3 | 1-V1 | 1-V2 | DETECTION LIMIT |
|-------------------------------|----|-------------|-----------------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220319 | 511220320 | 511220321 | 511220322 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 25 | < | < | < | 10 |
| Barium | Ba | 45 | 63 | 67 | 71 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | < | < | < | 0.5 |
| Chromium | Cr | 12 | 12 | 12 | 12 | 2 |
| Cobalt | Co | 4 | 3 | 3 | 3 | 1 |
| Copper | Cu | 6 | 5 | 18 | 17 | 1 |
| Lead | Pb | 6 | < | < | 8 | 5 |
| Mercury | Hg | < | < | < | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 7 | 4 | 4 | 5 | 2 |
| Selenium | Se | < | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 28 | 40 | 36 | 37 | 1 |
| Zinc | Zn | 44 | 28 | 28 | 31 | 1 |
| Aluminum | Al | 5790 | 4310 | 4620 | 4560 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 6600 | 2870 | 3020 | 2880 | 1 |
| Iron | Fe | 11500 | 14000 | 12600 | 13100 | 2 |
| Magnesium | Mg | 2770 | 1670 | 1760 | 1750 | 0.1 |
| Manganese | Mn | 302 | 147 | 113 | 127 | 1 |
| Phosphorus | P | 641 | 725 | 774 | 721 | 20 |
| Potassium | K | 456 | 280 | 292 | 289 | 10 |
| Sodium | Na | 170 | 105 | 115 | 112 | 5 |
| Strontium | Sr | 22 | 15 | 15 | 15 | 1 |
| Titanium | Ti | 295 | 247 | 287 | 275 | 1 |
| Zirconium | Zr | 1 | 1 | 1 | 1 | 1 |

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Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-V3 | 1-V4 | 1-V5 | 11-V1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220323 | 511220324 | 511220325 | 511220326 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | < | 17 | < | < | 10 |
| Barium | Ba | 66 | 77 | 70 | 72 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | < | < | < | 0.5 |
| Chromium | Cr | 18 | 11 | 9 | 12 | 2 |
| Cobalt | Co | 4 | 4 | 3 | 3 | 1 |
| Copper | Cu | 12 | 19 | 11 | 19 | 1 |
| Lead | Pb | 7 | 9 | < | 5 | 5 |
| Mercury | Hg | < | < | < | 0.012 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 5 | 6 | 4 | 5 | 2 |
| Selenium | Se | < | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 67 | 26 | 23 | 32 | 1 |
| Zinc | Zn | 30 | 45 | 30 | 30 | 1 |
| Aluminum | Al | 4270 | 5690 | 4980 | 4750 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 3520 | 3000 | 3030 | 3050 | 1 |
| Iron | Fe | 20100 | 11100 | 9580 | 12000 | 2 |
| Magnesium | Mg | 1620 | 2280 | 1900 | 1830 | 0.1 |
| Manganese | Mn | 143 | 207 | 139 | 119 | 1 |
| Phosphorus | P | 1010 | 697 | 734 | 753 | 20 |
| Potassium | K | 261 | 378 | 304 | 296 | 10 |
| Sodium | Na | 100 | 129 | 121 | 109 | 5 |
| Strontium | Sr | 14 | 17 | 15 | 15 | 1 |
| Titanium | Ti | 322 | 255 | 238 | 269 | 1 |
| Zirconium | Zr | 1 | 1 | < | 1 | 1 |

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Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-D1 | 1-D2 | 1-D3 | 1-D4 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220327 | 511220328 | 511220329 | 511220330 | |
| Antimony | Sb | 49 | < | < | < | 10 |
| Arsenic | As | 1180 | 13 | 14 | 11 | 10 |
| Barium | Ba | 88 | 47 | 42 | 58 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 13.1 | < | < | < | 0.5 |
| Chromium | Cr | 11 | 12 | 8 | 10 | 2 |
| Cobalt | Co | 4 | 3 | 3 | 3 | 1 |
| Copper | Cu | 40 | 11 | 9 | 18 | 1 |
| Lead | Pb | 295 | < | < | 6 | 5 |
| Mercury | Hg | 0.05 | < | < | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 6 | 6 | 5 | 6 | 2 |
| Selenium | Se | 0.2 | < | < | < | 0.2 |
| Silver | Ag | 7 | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 21 | 29 | 15 | 16 | 1 |
| Zinc | Zn | 662 | 33 | 33 | 27 | 1 |
| Aluminum | Al | 6370 | 5450 | 4680 | 4960 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 4450 | 3350 | 2620 | 2520 | 1 |
| Iron | Fe | 14500 | 11200 | 7380 | 8330 | 2 |
| Magnesium | Mg | 2740 | 2290 | 1860 | 2170 | 0.1 |
| Manganese | Mn | 305 | 95 | 88 | 133 | 1 |
| Phosphorus | P | 683 | 721 | 471 | 420 | 20 |
| Potassium | K | 556 | 412 | 324 | 493 | 10 |
| Sodium | Na | 127 | 138 | 121 | 148 | 5 |
| Strontium | Sr | 18 | 15 | 12 | 13 | 1 |
| Titanium | Ti | 273 | 293 | 229 | 236 | 1 |
| Zirconium | Zr | 1 | 1 | 1 | 1 | 1 |

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Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-D5 | 2-C3-1 | 1-J1-1 | 2-J2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220331 | 511220332 | 511220337 | 511220338 | |
| Antimony | Sb | < | < | 25 | < | 10 |
| Arsenic | As | 64 | < | 485 | 70 | 10 |
| Barium | Ba | 66 | 12 | 162 | 58 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 0.8 | < | 4.6 | < | 0.5 |
| Chromium | Cr | 14 | 2 | 7 | 6 | 2 |
| Cobalt | Co | 5 | 2 | 11 | 3 | 1 |
| Copper | Cu | 30 | < | 33 | 7 | 1 |
| Lead | Pb | 19 | < | 129 | 11 | 5 |
| Mercury | Hg | 0.01 | < | 0.06 | 0.05 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 8 | < | 6 | 2 | 2 |
| Selenium | Se | < | < | 0.3 | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 27 | 29 | 61 | 43 | 1 |
| Zinc | Zn | 75 | 12 | 253 | 37 | 1 |
| Aluminum | Al | 6980 | 1030 | 12800 | 4170 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 5840 | 1320 | 5290 | 2390 | 1 |
| Iron | Fe | 12100 | 7690 | 26800 | 12000 | 2 |
| Magnesium | Mg | 3170 | 388 | 6910 | 958 | 0.1 |
| Manganese | Mn | 180 | 47 | 838 | 85 | 1 |
| Phosphorus | P | 566 | 488 | 895 | 706 | 20 |
| Potassium | K | 548 | 153 | 2150 | 293 | 10 |
| Sodium | Na | 174 | 224 | 114 | 146 | 5 |
| Strontium | Sr | 22 | 9 | 24 | 11 | 1 |
| Titanium | Ti | 342 | 443 | 482 | 492 | 1 |
| Zirconium | Zr | 1 | < | 2 | 2 | 1 |

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Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 2-J1-1 | 2-O1-2 | 1-J2-1 | 1-K2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220339 | 511220340 | 511220341 | 511220342 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 247 | < | 209 | 290 | 10 |
| Barium | Ba | 1310 | 136 | 163 | 260 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 7.0 | 0.6 | 1.7 | 3.1 | 0.5 |
| Chromium | Cr | 8 | 12 | 8 | 17 | 2 |
| Cobalt | Co | 59 | 2 | 12 | 8 | 1 |
| Copper | Cu | 27 | 18 | 19 | 41 | 1 |
| Lead | Pb | 34 | < | 13 | 28 | 5 |
| Mercury | Hg | 0.10 | 0.05 | 0.09 | 0.11 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 14 | 6 | 6 | 13 | 2 |
| Selenium | Se | 0.7 | 0.2 | 0.3 | 2.0 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 30 | 18 | 34 | 49 | 1 |
| Zinc | Zn | 222 | 41 | 67 | 136 | 1 |
| Aluminum | Al | 10600 | 9520 | 5570 | 13000 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 12100 | 4720 | 8960 | 11100 | 1 |
| Iron | Fe | 37400 | 8880 | 20500 | 32300 | 2 |
| Magnesium | Mg | 1870 | 1770 | 1660 | 3390 | 0.1 |
| Manganese | Mn | 21200 | 93 | 1340 | 1120 | 1 |
| Phosphorus | P | 929 | 760 | 1110 | 1030 | 20 |
| Potassium | K | 808 | 330 | 606 | 462 | 10 |
| Sodium | Na | 82 | 163 | 87 | 118 | 5 |
| Strontium | Sr | 73 | 28 | 40 | 47 | 1 |
| Titanium | Ti | 130 | 229 | 89 | 276 | 1 |
| Zirconium | Zr | 1 | 2 | < | 2 | 1 |

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Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-C3-2 | 2-K2-1 | 1-C3-1 | 1-P1-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220343 | 511220344 | 511220345 | 511220347 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 22 | 125 | < | 14 | 10 |
| Barium | Ba | 108 | 186 | 134 | 442 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | 1.5 | < | 2.7 | 0.5 |
| Chromium | Cr | 6 | 20 | 5 | 3 | 2 |
| Cobalt | Co | 4 | 7 | 3 | 15 | 1 |
| Copper | Cu | 10 | 36 | 14 | 33 | 1 |
| Lead | Pb | 7 | 25 | < | < | 5 |
| Mercury | Hg | 0.06 | 0.13 | 0.08 | 0.05 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 2 | 10 | 3 | 9 | 2 |
| Selenium | Se | 0.3 | 1.4 | 0.3 | 0.5 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 59 | 41 | 32 | 5 | 1 |
| Zinc | Zn | 14 | 99 | 13 | 25 | 1 |
| Aluminum | Al | 4650 | 14000 | 4750 | 3750 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 2590 | 5150 | 3060 | 19800 | 1 |
| Iron | Fe | 16800 | 20800 | 10500 | 19100 | 2 |
| Magnesium | Mg | 555 | 3860 | 343 | 1190 | 0.1 |
| Manganese | Mn | 319 | 687 | 265 | 1530 | 1 |
| Phosphorus | P | 925 | 877 | 1360 | 621 | 20 |
| Potassium | K | 153 | 493 | 112 | 94 | 10 |
| Sodium | Na | 69 | 89 | 50 | 50 | 5 |
| Strontium | Sr | 25 | 22 | 32 | 150 | 1 |
| Titanium | Ti | 169 | 345 | 85 | 31 | 1 |
| Zirconium | Zr | 1 | 2 | < | 2 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. (µg/g)
 < = Less than detection limit



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-R2-1 | 2-R2-1 | 1-R2-1 | 1-P2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220348 | 511220349 | 511220350 | 511220351 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 14 | < | < | < | 10 |
| Barium | Ba | 66 | 5 | 82 | 255 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | < | 4.5 | 1.0 | 0.5 |
| Chromium | Cr | 14 | < | 5 | 7 | 2 |
| Cobalt | Co | 5 | 2 | 2 | 5 | 1 |
| Copper | Cu | 7 | 1 | 7 | 15 | 1 |
| Lead | Pb | 12 | < | < | < | 5 |
| Mercury | Hg | < | < | 0.06 | 0.11 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 7 | < | 5 | 6 | 2 |
| Selenium | Se | < | < | < | 0.4 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 30 | 25 | 13 | 10 | 1 |
| Zinc | Zn | 45 | 9 | 34 | 18 | 1 |
| Aluminum | Al | 8560 | 853 | 2420 | 7710 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 1970 | 377 | 2110 | 9400 | 1 |
| Iron | Fe | 13100 | 6380 | 5280 | 7100 | 2 |
| Magnesium | Mg | 2430 | 212 | 373 | 1160 | 0.1 |
| Manganese | Mn | 198 | 30 | 66 | 319 | 1 |
| Phosphorus | P | 458 | 55 | 610 | 988 | 20 |
| Potassium | K | 366 | 112 | 262 | 567 | 10 |
| Sodium | Na | 76 | 184 | 119 | 158 | 5 |
| Strontium | Sr | 11 | 6 | 23 | 73 | 1 |
| Titanium | Ti | 398 | 315 | 47 | 180 | 1 |
| Zirconium | Zr | 1 | < | < | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-P2-1 | 2-P1-1 | 2-P2-1 | 2-P3-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220353 | 511220354 | 511220355 | 511220356 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 17 | 62 | < | < | 10 |
| Barium | Ba | 209 | 120 | 48 | 25 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | 0.7 | < | < | 0.5 |
| Chromium | Cr | 19 | 9 | 4 | 2 | 2 |
| Cobalt | Co | 8 | 4 | 5 | 2 | 1 |
| Copper | Cu | 24 | 9 | 3 | 2 | 1 |
| Lead | Pb | 11 | 13 | < | < | 5 |
| Mercury | Hg | 0.05 | 0.02 | < | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 10 | 4 | < | < | 2 |
| Selenium | Se | < | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 43 | 29 | 26 | 26 | 1 |
| Zinc | Zn | 49 | 37 | 14 | 11 | 1 |
| Aluminum | Al | 15500 | 5960 | 3580 | 1570 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 5120 | 3530 | 1670 | 1200 | 1 |
| Iron | Fe | 17700 | 15100 | 8320 | 6850 | 2 |
| Magnesium | Mg | 3010 | 1660 | 574 | 302 | 0.1 |
| Manganese | Mn | 405 | 121 | 242 | 70 | 1 |
| Phosphorus | P | 596 | 550 | 435 | 429 | 20 |
| Potassium | K | 532 | 291 | 178 | 120 | 10 |
| Sodium | Na | 152 | 144 | 246 | 229 | 5 |
| Strontium | Sr | 34 | 27 | 11 | 8 | 1 |
| Titanium | Ti | 352 | 254 | 331 | 338 | 1 |
| Zirconium | Zr | 1 | 1 | < | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. (µg/g)

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REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-P3-1 | 2-P3-2 | 3-P3-1 | 3-H2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220357 | 511220358 | 511220362 | 511220363 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | < | < | 22 | 32 | 10 |
| Barium | Ba | 277 | 21 | 453 | 159 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 6.5 | < | 2.0 | < | 0.5 |
| Chromium | Cr | 6 | 2 | 23 | 18 | 2 |
| Cobalt | Co | 3 | 2 | 15 | 6 | 1 |
| Copper | Cu | 42 | 2 | 90 | 32 | 1 |
| Lead | Pb | < | < | 23 | 8 | 5 |
| Mercury | Hg | 0.08 | < | 0.03 | 0.09 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 10 | < | 16 | 10 | 2 |
| Selenium | Se | 0.4 | < | < | 0.4 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 9 | 28 | 54 | 48 | 1 |
| Zinc | Zn | 45 | 11 | 71 | 35 | 1 |
| Aluminum | Al | 4590 | 1370 | 19600 | 11100 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 6240 | 1330 | 6050 | 3880 | 1 |
| Iron | Fe | 6520 | 7440 | 21300 | 19400 | 2 |
| Magnesium | Mg | 836 | 290 | 3090 | 3570 | 0.1 |
| Manganese | Mn | 73 | 55 | 1140 | 211 | 1 |
| Phosphorus | P | 972 | 506 | 701 | 603 | 20 |
| Potassium | K | 408 | 98 | 488 | 607 | 10 |
| Sodium | Na | 130 | 178 | 123 | 105 | 5 |
| Strontium | Sr | 63 | 8 | 51 | 19 | 1 |
| Titanium | Ti | 71 | 361 | 284 | 467 | 1 |
| Zirconium | Zr | < | < | 1 | 2 | 1 |

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< = Less than detection limit



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-H2-1 | 2-H2-1 | 3-G1-1 | 1-G1-2 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220365 | 511220367 | 511220368 | 511220369 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | < | < | 24 | 48 | 10 |
| Barium | Ba | 528 | 17 | 90 | 258 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 1.8 | < | < | 0.8 | 0.5 |
| Chromium | Cr | 7 | < | 13 | 5 | 2 |
| Cobalt | Co | 9 | 2 | 6 | 3 | 1 |
| Copper | Cu | 40 | 1 | 11 | 33 | 1 |
| Lead | Pb | < | < | 8 | 11 | 5 |
| Mercury | Hg | 0.14 | < | 0.04 | 0.11 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 11 | < | 5 | 7 | 2 |
| Selenium | Se | 0.9 | < | < | 0.5 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 11 | 16 | 54 | 12 | 1 |
| Zinc | Zn | 22 | 7 | 58 | 73 | 1 |
| Aluminum | Al | 9000 | 1100 | 10800 | 7350 | 10 |
| Boron | B | < | < | < | 7 | 1 |
| Calcium | Ca | 9370 | 1280 | 4100 | 22000 | 1 |
| Iron | Fe | 7640 | 4520 | 19900 | 7880 | 2 |
| Magnesium | Mg | 878 | 444 | 4490 | 1800 | 0.1 |
| Manganese | Mn | 5930 | 176 | 210 | 731 | 1 |
| Phosphorus | P | 1880 | 399 | 659 | 1290 | 20 |
| Potassium | K | 275 | 62 | 867 | 444 | 10 |
| Sodium | Na | 126 | 218 | 113 | 127 | 5 |
| Strontium | Sr | 62 | 11 | 17 | 95 | 1 |
| Titanium | Ti | 94 | 255 | 634 | 111 | 1 |
| Zirconium | Zr | < | < | 2 | 1 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-G1-1 | 2-G1-1 | 1-R3-1 | 2-R3-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220370 | 511220371 | 511220373 | 511220375 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 27 | < | < | 18 | 10 |
| Barium | Ba | 206 | 17 | 95 | 95 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 0.6 | < | 2.8 | < | 0.5 |
| Chromium | Cr | 4 | 3 | 2 | 14 | 2 |
| Cobalt | Co | 2 | 5 | 2 | 3 | 1 |
| Copper | Cu | 30 | 4 | 19 | 6 | 1 |
| Lead | Pb | 8 | < | < | 35 | 5 |
| Mercury | Hg | 0.08 | < | 0.05 | 0.03 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 6 | < | 4 | 6 | 2 |
| Selenium | Se | 0.5 | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 8 | 47 | 3 | 31 | 1 |
| Zinc | Zn | 45 | 20 | 55 | 107 | 1 |
| Aluminum | Al | 6280 | 1250 | 1640 | 9570 | 10 |
| Boron | B | 5 | < | 2 | < | 1 |
| Calcium | Ca | 18100 | 2180 | 12600 | 3550 | 1 |
| Iron | Fe | 6430 | 11900 | 2160 | 12100 | 2 |
| Magnesium | Mg | 1320 | 544 | 1260 | 2970 | 0.1 |
| Manganese | Mn | 686 | 326 | 793 | 645 | 1 |
| Phosphorus | P | 1200 | 768 | 612 | 489 | 20 |
| Potassium | K | 280 | 76 | 270 | 398 | 10 |
| Sodium | Na | 115 | 212 | 86 | 97 | 5 |
| Strontium | Sr | 81 | 12 | 68 | 19 | 1 |
| Titanium | Ti | 83 | 626 | 45 | 312 | 1 |
| Zirconium | Zr | 1 | < | < | 1 | 1 |

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REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-H1-1 | 2-H1-1 | 1-G2-1 | 2-G2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220376 | 511220377 | 511220378 | 511220379 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 16 | 25 | < | < | 10 |
| Barium | Ba | 379 | 123 | 389 | 10 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 1.1 | < | 0.9 | < | 0.5 |
| Chromium | Cr | 7 | 13 | 4 | 3 | 2 |
| Cobalt | Co | 4 | 7 | 3 | 4 | 1 |
| Copper | Cu | 34 | 13 | 44 | 2 | 1 |
| Lead | Pb | 6 | 6 | < | < | 5 |
| Mercury | Hg | 0.09 | 0.02 | 0.08 | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 11 | 6 | 11 | < | 2 |
| Selenium | Se | < | < | 0.3 | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 15 | 46 | 6 | 37 | 1 |
| Zinc | Zn | 25 | 39 | 95 | 15 | 1 |
| Aluminum | Al | 6860 | 9470 | 6230 | 1000 | 10 |
| Boron | B | < | < | 2 | < | 1 |
| Calcium | Ca | 10300 | 2740 | 21700 | 2060 | 1 |
| Iron | Fe | 10400 | 17700 | 5810 | 10100 | 2 |
| Magnesium | Mg | 1490 | 3210 | 1720 | 434 | 0.1 |
| Manganese | Mn | 121 | 323 | 1710 | 223 | 1 |
| Phosphorus | P | 709 | 381 | 1110 | 757 | 20 |
| Potassium | K | 601 | 549 | 256 | 53 | 10 |
| Sodium | Na | 127 | 116 | 100 | 184 | 5 |
| Strontium | Sr | 68 | 13 | 100 | 11 | 1 |
| Titanium | Ti | 262 | 536 | 97 | 489 | 1 |
| Zirconium | Zr | 1 | 1 | 1 | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

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REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-G2-1 | 1-I1-1 | 2-I1-1 | 3-B1-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220381 | 511220382 | 511220383 | 511220384 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 96 | 17 | < | < | 10 |
| Barium | Ba | 81 | 285 | 21 | 33 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 0.6 | 1.2 | < | < | 0.5 |
| Chromium | Cr | 12 | 6 | 3 | 9 | 2 |
| Cobalt | Co | 7 | 10 | 3 | 3 | 1 |
| Copper | Cu | 15 | 54 | 4 | 3 | 1 |
| Lead | Pb | 10 | < | < | < | 5 |
| Mercury | Hg | 0.07 | 0.13 | 0.01 | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 5 | 14 | < | 5 | 2 |
| Selenium | Se | < | 0.6 | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 65 | 11 | 33 | 25 | 1 |
| Zinc | Zn | 73 | 45 | 15 | 15 | 1 |
| Aluminum | Al | 9780 | 7540 | 1810 | 3820 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 3050 | 11000 | 1470 | 1700 | 1 |
| Iron | Fe | 25100 | 8320 | 9270 | 9440 | 2 |
| Magnesium | Mg | 4020 | 1110 | 664 | 1520 | 0.1 |
| Manganese | Mn | 226 | 1870 | 72 | 103 | 1 |
| Phosphorus | P | 762 | 1230 | 443 | 366 | 20 |
| Potassium | K | 2150 | 359 | 160 | 324 | 10 |
| Sodium | Na | 81 | 90 | 205 | 85 | 5 |
| Strontium | Sr | 10 | 73 | 9 | 10 | 1 |
| Titanium | Ti | 731 | 102 | 439 | 299 | 1 |
| Zirconium | Zr | 2 | < | < | 1 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

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REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 2-B1-1 | 1-B1-1 | 1-H3-1 | 2-H3-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220386 | 511220387 | 511220389 | 511220390 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | < | < | < | < | 10 |
| Barium | Ba | 6 | 54 | 164 | 31 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | < | < | < | 0.5 |
| Chromium | Cr | < | 4 | 6 | 2 | 2 |
| Cobalt | Co | 1 | 1 | 15 | 2 | 1 |
| Copper | Cu | 1 | 9 | 23 | 4 | 1 |
| Lead | Pb | < | < | < | < | 5 |
| Mercury | Hg | < | 0.09 | 0.10 | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | < | 3 | 4 | < | 2 |
| Selenium | Se | < | < | 0.4 | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 13 | 8 | 13 | 16 | 1 |
| Zinc | Zn | 5 | 23 | 12 | 8 | 1 |
| Aluminum | Al | 634 | 2120 | 4180 | 1440 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 556 | 1760 | 2640 | 1050 | 1 |
| Iron | Fe | 3510 | 3890 | 7710 | 5100 | 2 |
| Magnesium | Mg | 179 | 484 | 666 | 554 | 0.1 |
| Manganese | Mn | 37 | 93 | 1120 | 60 | 1 |
| Phosphorus | P | 192 | 906 | 1160 | 331 | 20 |
| Potassium | K | 96 | 394 | 320 | 154 | 10 |
| Sodium | Na | 143 | 113 | 93 | 209 | 5 |
| Strontium | Sr | 5 | 19 | 22 | 7 | 1 |
| Titanium | Ti | 172 | 73 | 63 | 235 | 1 |
| Zirconium | Zr | < | < | < | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

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REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-H3-1 | 3-I1-1 | 3-I1-2 | 3-I2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220391 | 511220392 | 511220393 | 511220394 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 14 | 100 | 97 | 26 | 10 |
| Barium | Ba | 207 | 99 | 103 | 75 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | 0.8 | 0.8 | < | 0.5 |
| Chromium | Cr | 7 | 15 | 15 | 9 | 2 |
| Cobalt | Co | 10 | 7 | 6 | 5 | 1 |
| Copper | Cu | 18 | 24 | 28 | 10 | 1 |
| Lead | Pb | 7 | 9 | 9 | < | 5 |
| Mercury | Hg | 0.02 | 0.06 | 0.06 | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 4 | 7 | 8 | 6 | 2 |
| Selenium | Se | < | 0.3 | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 55 | 50 | 50 | 35 | 1 |
| Zinc | Zn | 63 | 58 | 60 | 32 | 1 |
| Aluminum | Al | 16000 | 12300 | 13000 | 6620 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 4040 | 3180 | 3330 | 2530 | 1 |
| Iron | Fe | 22700 | 20000 | 19700 | 13500 | 2 |
| Magnesium | Mg | 8360 | 4490 | 4570 | 3860 | 0.1 |
| Manganese | Mn | 325 | 318 | 260 | 177 | 1 |
| Phosphorus | P | 1250 | 662 | 712 | 629 | 20 |
| Potassium | K | 2200 | 858 | 934 | 756 | 10 |
| Sodium | Na | 95 | 78 | 79 | 88 | 5 |
| Strontium | Sr | 25 | 20 | 20 | 12 | 1 |
| Titanium | Ti | 783 | 502 | 465 | 617 | 1 |
| Zirconium | Zr | 2 | 1 | 1 | 1 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

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REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 2-I2-1 | 1-I2-1 | 1-C1-1 | 2-C1-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220395 | 511220396 | 511220398 | 511220399 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 68 | 25 | < | < | 10 |
| Barium | Ba | 128 | 265 | 52 | 46 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 0.7 | 0.7 | < | < | 0.5 |
| Chromium | Cr | 16 | 6 | 10 | 8 | 2 |
| Cobalt | Co | 9 | 6 | 3 | 3 | 1 |
| Copper | Cu | 25 | 32 | 5 | 4 | 1 |
| Lead | Pb | 12 | < | < | < | 5 |
| Mercury | Hg | 0.05 | 0.14 | 0.02 | 0.01 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 8 | 7 | 5 | 5 | 2 |
| Selenium | Se | < | 0.5 | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 55 | 15 | 28 | 21 | 1 |
| Zinc | Zn | 61 | 37 | 23 | 23 | 1 |
| Aluminum | Al | 12100 | 8370 | 3970 | 4520 | 10 |
| Boron | B | < | 2 | < | < | 1 |
| Calcium | Ca | 3120 | 9890 | 1340 | 1350 | 1 |
| Iron | Fe | 20800 | 8780 | 10700 | 8420 | 2 |
| Magnesium | Mg | 5250 | 1520 | 1500 | 1700 | 0.1 |
| Manganese | Mn | 384 | 580 | 116 | 87 | 1 |
| Phosphorus | P | 839 | 959 | 389 | 366 | 20 |
| Potassium | K | 1640 | 575 | 386 | 369 | 10 |
| Sodium | Na | 91 | 52 | 75 | 76 | 5 |
| Strontium | Sr | 18 | 74 | 12 | 10 | 1 |
| Titanium | Ti | 681 | 159 | 283 | 288 | 1 |
| Zirconium | Zr | 2 | 1 | < | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. (µg/g)

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REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-C1-1 | 1-O1-1 | 2-O1-1 | 3-C2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 511220402 | 511220409 | 511220412 | 511220414 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | < | 11 | 15 | < | 10 |
| Barium | Ba | 19 | 385 | 94 | 66 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | 5.0 | < | < | 0.5 |
| Chromium | Cr | 3 | 6 | 11 | 10 | 2 |
| Cobalt | Co | 3 | 8 | 3 | 3 | 1 |
| Copper | Cu | 2 | 26 | 11 | 5 | 1 |
| Lead | Pb | < | < | 5 | < | 5 |
| Mercury | Hg | < | 0.11 | 0.03 | < | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | < | 8 | 5 | 6 | 2 |
| Selenium | Se | < | 0.6 | 0.2 | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 30 | 10 | 30 | 21 | 1 |
| Zinc | Zn | 12 | 105 | 40 | 22 | 1 |
| Aluminum | Al | 1600 | 7850 | 6920 | 5390 | 10 |
| Boron | B | < | 3 | < | < | 1 |
| Calcium | Ca | 1050 | 15300 | 3810 | 1850 | 1 |
| Iron | Fe | 8370 | 8860 | 12900 | 9290 | 2 |
| Magnesium | Mg | 483 | 1320 | 2070 | 2080 | 0.1 |
| Manganese | Mn | 43 | 2840 | 205 | 128 | 1 |
| Phosphorus | P | 383 | 1190 | 751 | 418 | 20 |
| Potassium | K | 193 | 247 | 332 | 428 | 10 |
| Sodium | Na | 264 | 90 | 128 | 87 | 5 |
| Strontium | Sr | 10 | 92 | 24 | 13 | 1 |
| Titanium | Ti | 427 | 93 | 332 | 291 | 1 |
| Zirconium | Zr | < | 1 | 1 | < | 1 |

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REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 2-C2-1 | 1-C2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------------|
| CANTEST ID: | | 511220415 | 511220416 | |
| Antimony | Sb | < | < | 10 |
| Arsenic | As | < | < | 10 |
| Barium | Ba | 11 | 174 | 1 |
| Beryllium | Be | < | < | 1 |
| Cadmium | Cd | < | < | 0.5 |
| Chromium | Cr | 3 | 4 | 2 |
| Cobalt | Co | 2 | 1 | 1 |
| Copper | Cu | 2 | 13 | 1 |
| Lead | Pb | < | < | 5 |
| Mercury | Hg | < | 0.16 | 0.01 |
| Molybdenum | Mo | < | < | 4 |
| Nickel | Ni | < | 5 | 2 |
| Selenium | Se | < | < | 0.2 |
| Silver | Ag | < | < | 2 |
| Tin | Sn | < | < | 5 |
| Vanadium | V | 22 | 7 | 1 |
| Zinc | Zn | 10 | 18 | 1 |
| Aluminum | Al | 1490 | 2370 | 10 |
| Boron | B | < | < | 1 |
| Calcium | Ca | 419 | 2040 | 1 |
| Iron | Fe | 6420 | 3790 | 2 |
| Magnesium | Mg | 518 | 376 | 0.1 |
| Manganese | Mn | 34 | 66 | 1 |
| Phosphorus | P | 87 | 948 | 20 |
| Potassium | K | 149 | 727 | 10 |
| Sodium | Na | 134 | 90 | 5 |
| Strontium | Sr | 5 | 31 | 1 |
| Titanium | Ti | 316 | 81 | 1 |
| Zirconium | Zr | < | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

| Parameter | | Blank (ug/g) | Blank Limits | Duplicate (R.P.D.) 511220316 | Duplicate Limits | Duplicate (R.P.D.) 511220327 | Duplicate Limits |
|------------|----|--------------|--------------|---------------------------------|------------------|---------------------------------|------------------|
| Antimony | Sb | - | - | NC | 30 | PASS | 30 |
| Arsenic | As | < 10 | 10 | NC | 30 | 13.6 | 30 |
| Barium | Ba | < 1 | 1 | 4.2 | 30 | 4.5 | 30 |
| Beryllium | Be | - | - | NC | 30 | NC | 30 |
| Chromium | Cr | - | - | 0 | 30 | 9.5 | 30 |
| Cobalt | Co | - | - | PASS | 30 | PASS | 30 |
| Copper | Cu | < 1 | 1 | 0 | 30 | 12.3 | 30 |
| Lead | Pb | < 5 | 5 | PASS | 30 | 6.8 | 30 |
| Mercury | Hg | < 0.01 | 0.001 | 0 | 30 | 6.3 | 30 |
| Molybdenum | Mo | - | - | NC | 30 | NC | 30 |
| Nickel | Ni | < 2 | 2 | PASS | 30 | PASS | 30 |
| Selenium | Se | < 0.2 | 0.2 | NC | 30 | NC | 30 |
| Tin | Sn | - | - | NC | 30 | NC | 30 |
| Vanadium | V | - | - | 0 | 30 | 0 | 30 |
| Zinc | Zn | < 1 | 1 | 0 | 30 | 1.4 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

| Parameter | | Duplicate (R.P.D.) 511220336 | Duplicate Limits | Duplicate (R.P.D.) 511220341 | Duplicate Limits | Duplicate (R.P.D.) 511220353 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | NC | 30 | NC | 30 |
| Arsenic | As | NC | 30 | 1.4 | 30 | PASS | 30 |
| Barium | Ba | PASS | 30 | 9.8 | 30 | 0.5 | 30 |
| Beryllium | Be | NC | 30 | NC | 30 | NC | 30 |
| Chromium | Cr | 10.3 | 30 | PASS | 30 | 0 | 30 |
| Cobalt | Co | 3.8 | 30 | 8.7 | 30 | 0 | 30 |
| Copper | Cu | 5.4 | 30 | 5.4 | 30 | 0 | 30 |
| Lead | Pb | 22.1 | 30 | PASS | 30 | PASS | 30 |
| Mercury | Hg | NC | 30 | 8.7 | 30 | 27.3 | 30 |
| Molybdenum | Mo | NC | 30 | NC | 30 | NC | 30 |
| Nickel | Ni | PASS | 30 | PASS | 30 | 0 | 30 |
| Selenium | Se | 16.8 | 30 | PASS | 30 | NC | 30 |
| Tin | Sn | PASS | 30 | NC | 30 | NC | 30 |
| Vanadium | V | PASS | 30 | 2.9 | 30 | 2.4 | 30 |
| Zinc | Zn | 19.5 | 30 | 4.5 | 30 | 0 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

| Parameter | | Duplicate (R.P.D.) 511220368 | Duplicate Limits | Duplicate (R.P.D.) 511220381 | Duplicate Limits | Duplicate (R.P.D.) 511220393 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | NC | 30 | NC | 30 |
| Arsenic | As | PASS | 30 | 3.1 | 30 | 25.6 | 30 |
| Barium | Ba | 1.1 | 30 | 3.7 | 30 | 1.9 | 30 |
| Beryllium | Be | NC | 30 | NC | 30 | NC | 30 |
| Chromium | Cr | 7.4 | 30 | 8.7 | 30 | 6.9 | 30 |
| Cobalt | Co | 0 | 30 | 0 | 30 | 15.4 | 30 |
| Copper | Cu | 0 | 30 | 6.9 | 30 | 0 | 30 |
| Lead | Pb | PASS | 30 | PASS | 30 | PASS | 30 |
| Mercury | Hg | 2.4 | 30 | 0 | 30 | 4.7 | 30 |
| Molybdenum | Mo | NC | 30 | NC | 30 | NC | 30 |
| Nickel | Ni | PASS | 30 | PASS | 30 | PASS | 30 |
| Selenium | Se | NC | 30 | NC | 30 | NC | 30 |
| Tin | Sn | NC | 30 | NC | 30 | NC | 30 |
| Vanadium | V | 0 | 30 | 4.7 | 30 | 2 | 30 |
| Zinc | Zn | 3.4 | 30 | 5.5 | 30 | 0 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 73301)

| Parameter | | Duplicate (R.P.D.) 511220415 | Duplicate Limits | NIST 2711 Montana Soil-SALM (% Recovery) | NIST 2711 Montana Soil-SALM Limits |
|------------|----|---------------------------------|------------------|--|------------------------------------|
| Antimony | Sb | NC | 30 | - | - |
| Arsenic | As | NC | 30 | 90 | 79 - 100 |
| Barium | Ba | 9.5 | 30 | - | - |
| Beryllium | Be | NC | 30 | - | - |
| Cadmium | Cd | - | - | 105 | 80 - 120 |
| Chromium | Cr | PASS | 30 | - | - |
| Cobalt | Co | PASS | 30 | - | - |
| Copper | Cu | PASS | 30 | - | - |
| Lead | Pb | NC | 30 | 94 | 77 - 115 |
| Mercury | Hg | NC | 30 | 115 | 84 - 122 |
| Molybdenum | Mo | NC | 30 | - | - |
| Nickel | Ni | NC | 30 | 73 | 41 - 120 |
| Selenium | Se | NC | 30 | 92 | 56 - 134 |
| Tin | Sn | NC | 30 | - | - |
| Vanadium | V | 18.2 | 30 | - | - |
| Zinc | Zn | 9.5 | 30 | 91 | 80 - 110 |
| Calcium | Ca | - | - | 69 | 67 - 85 |
| Iron | Fe | - | - | 66 | 55 - 97 |
| Magnesium | Mg | - | - | 70 | 59 - 89 |
| Manganese | Mn | - | - | 74 | 64 - 96 |
| Sodium | Na | - | - | 2 | 1 - 6 |
| Strontium | Sr | - | - | 16 | 10 - 34 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics Inc.



REPORT DATE: February 21, 2006

GROUP NUMBER: 61122053

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 73301)

| QC Type | No. Samples |
|-----------------------------|-------------|
| NIST 2711 Montana Soil-SALM | 1 |
| Blank | 3 |
| Duplicate | 9 |

SALM Metals in Soil Sieve (Batch# 73295)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 78 |

SALM in Soil Digestion (Batch# 73301)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 92 |



Analysis Report



CANTEST LTD.

REPORT ON: Analysis of Soil Samples

Professional
Analytical
Services

REPORTED TO: Environmental Dynamics
3128 3rd Avenue
Whitehorse, YK
Y1A 1E7

4606 Canada Way
Burnaby, B.C.
V5G 1K5

Att'n: Pat Tobler

Fax: 604 731 2386

Tel: 604 734 7276

CHAIN OF CUSTODY: 192250
PROJECT NAME: Mt. Hansen
P.O. NUMBER: 101162

1 800 665 8566

NUMBER OF SAMPLES: 10

REPORT DATE: February 21, 2006

DATE SUBMITTED: January 17, 2006

GROUP NUMBER: 70118026

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

Moisture in Soil - analysis was performed gravimetrically by heating a separate sample portion at 105 C and measuring the weight loss.

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science, 1993. The test was performed using a deionized water leach with measurement by pH meter.

Available Ammonium, and Available Nitrate in Soil and Solid - analysis was performed based on procedures described in "Manual of Soil Sampling and Methods of Analysis", McKeague (1987). The procedures involve extraction using a potassium sulfate solution followed by colorimetric analysis. This analysis was performed by a subcontractor.

Total Kjeldahl Nitrogen - analysis was performed using an acid digestion, steam distillation, and titration. Results are reported on a dry weight basis; the samples were dried at 60 C. This test was performed by a subcontractor.

Fertility in Soil or Solid - analysis was performed using procedures described in "Manual of Soil Sampling and Methods of Analysis", Canadian Society of Soil Science, and "UBC Soil Science Laboratory Manual". These tests were performed by a subcontractor.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

(Continued)

CANTEST LTD.


Richard S. Jornitz
Supervisor, Inorganic Testing

Page 1 of 14



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

COMMENTS:

Available Nitrate results for Sample #601180166 and sample #601180178 were not calculable due to inability of these samples to develop color.

TEST RESULTS:

(See following pages)



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | 3-BVEG2-2 | 1-BVEG3-1 | 2-BVEG1-1 | 3-BVEG2-1 | DETECTION LIMIT | UNITS |
|-------------------------------|-----------|-----------|-----------|-----------|-----------------|-----------|
| DATE SAMPLED: | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | | |
| CANTEST ID: | 601180164 | 601180166 | 601180169 | 601180172 | | |
| Available Nitrate Nitrogen | 1.5 | NC | 37 | 1.7 | 0.1 | ug/g as N |
| Available Ammonium Nitrogen | 3 | 40 | 16 | 5 | 0.5 | ug/g as N |
| Moisture | 13.2 | 60.9 | 55.6 | 15.7 | 0.1 | % |
| Total Kjeldahl Nitrogen N | 0.06 | 0.02 | 0.50 | 0.05 | 0.02 | % dry wt. |
| pH | 7.2 | 5.4 | 5.9 | 6.3 | 0.1 | pH units |

ug/g as N = microgram per gram as N
 % dry wt. = percent, dry weight basis

% = percent



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | 2-BVEG2-1 | 3-BVEG3-1 | 1-BVEG2-1 | 1-BVEG1-1 | | |
|-------------------------------|-----------|-----------|-----------|-----------|-----------------|-----------|
| DATE SAMPLED: | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | | |
| CANTEST ID: | 601180173 | 601180175 | 601180176 | 601180177 | DETECTION LIMIT | UNITS |
| Available Nitrate Nitrogen | 33 | 9.5 | 47 | 47 | 0.1 | ug/g as N |
| Available Ammonium Nitrogen | 16 | 8 | 27 | 60 | 0.5 | ug/g as N |
| Moisture | 57.3 | 23.0 | 41.1 | 68.0 | 0.1 | % |
| Total Kjeldahl Nitrogen N | 0.55 | 0.03 | 0.40 | 1.37 | 0.02 | % dry wt. |
| pH | 6.4 | 6.4 | 6.5 | 7.2 | 0.1 | pH units |

ug/g as N = microgram per gram as N

% = percent

% dry wt. = percent, dry weight basis



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | 3-BVEG1-1 | 2-BVEG3-1 | | |
|-------------------------------|-----------|-----------|-----------------|-----------|
| DATE SAMPLED: | Nov 29/05 | Nov 29/05 | | |
| CANTEST ID: | 601180178 | 601180180 | DETECTION LIMIT | UNITS |
| Available Nitrate Nitrogen | NC | 44 | 0.1 | ug/g as N |
| Available Ammonium Nitrogen | 5 | 28 | 0.5 | ug/g as N |
| Moisture | 21.9 | 63.0 | 0.1 | % |
| Total Kjeldahl Nitrogen N | 0.05 | 0.77 | 0.02 | % dry wt. |
| pH | 6.6 | 5.7 | 0.1 | pH units |

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Fertility in Soil

| CLIENT SAMPLE IDENTIFICATION: | SAMPLE DATE | CANTEST ID | Available Phosphorus P |
|-------------------------------|-------------|------------|------------------------|
| 3-BVEG2-2 | Nov 29/05 | 601180164 | 3.9 |
| 1-BVEG3-1 | Nov 29/05 | 601180166 | 17 |
| 2-BVEG1-1 | Nov 29/05 | 601180169 | 0.5 |
| 3-BVEG2-1 | Nov 29/05 | 601180172 | 2.9 |
| 2-BVEG2-1 | Nov 29/05 | 601180173 | 1.5 |
| 3-BVEG3-1 | Nov 29/05 | 601180175 | 13 |
| 1-BVEG2-1 | Nov 29/05 | 601180176 | 1.5 |
| 1-BVEG1-1 | Nov 29/05 | 601180177 | 8.8 |
| 3-BVEG1-1 | Nov 29/05 | 601180178 | 3.2 |
| 2-BVEG3-1 | Nov 29/05 | 601180180 | 0.5 |
| DETECTION LIMIT UNITS | | | 0.5 μg/g |

μg/g = micrograms per gram, on a dry weight basis.



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-BVEG2-2 | 1-BVEG3-1 | 2-BVEG1-1 | 3-BVEG2-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| DATE SAMPLED: | | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | |
| CANTEST ID: | | 601180164 | 601180166 | 601180169 | 601180172 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | < | 36 | 400 | 11 | 10 |
| Barium | Ba | 49 | 140 | 340 | 54 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | 0.7 | 6.1 | < | 0.5 |
| Chromium | Cr | 9 | 4 | 23 | 10 | 2 |
| Cobalt | Co | 4 | 4 | 31 | 5 | 1 |
| Copper | Cu | 7 | 340 | 97 | 11 | 1 |
| Lead | Pb | < | 6 | 31 | < | 5 |
| Mercury | Hg | < | 0.17 | 0.09 | 0.02 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 6 | 5 | 18 | 9 | 2 |
| Selenium | Se | < | 0.3 | 0.9 | < | 0.2 |
| Silver | Ag | < | 6 | < | < | 2 |
| Tin | Sn | < | 5 | 7 | < | 5 |
| Vanadium | V | 17 | 10 | 77 | 22 | 1 |
| Zinc | Zn | 33 | 28 | 127 | 40 | 1 |
| Aluminum | Al | 5480 | 2430 | 23800 | 6640 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 2160 | 4410 | 3800 | 2390 | 1 |
| Iron | Fe | 6620 | 19200 | 99500 | 8130 | 2 |
| Magnesium | Mg | 2220 | 712 | 2560 | 2600 | 0.1 |
| Manganese | Mn | 70 | 443 | 9040 | 84 | 1 |
| Phosphorus | P | 399 | 909 | 1090 | 412 | 20 |
| Potassium | K | 496 | 374 | 476 | 603 | 10 |
| Sodium | Na | 124 | 83 | 88 | 144 | 5 |
| Strontium | Sr | 12 | 28 | 36 | 14 | 1 |
| Titanium | Ti | 223 | 54 | 229 | 269 | 1 |
| Zirconium | Zr | < | < | 7 | 1 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 2-BVEG2-1 | 3-BVEG3-1 | 1-BVEG2-1 | 1-BVEG1-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| DATE SAMPLED: | | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | |
| CANTEST ID: | | 601180173 | 601180175 | 601180176 | 601180177 | |
| Antimony | Sb | 10 | < | < | < | 10 |
| Arsenic | As | 349 | < | 201 | 76 | 10 |
| Barium | Ba | 388 | 13 | 98 | 248 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 4.2 | < | 2.4 | 4.3 | 0.5 |
| Chromium | Cr | 22 | < | 11 | 3 | 2 |
| Cobalt | Co | 32 | 2 | 8 | 25 | 1 |
| Copper | Cu | 87 | 2 | 32 | 110 | 1 |
| Lead | Pb | 28 | < | 10 | 6 | 5 |
| Mercury | Hg | 0.09 | < | 0.05 | 0.14 | 0.01 |
| Molybdenum | Mo | 4 | < | < | < | 4 |
| Nickel | Ni | 25 | < | 7 | 16 | 2 |
| Selenium | Se | 0.9 | < | 0.2 | 0.7 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | 8 | < | < | 6 | 5 |
| Vanadium | V | 67 | 16 | 33 | 6 | 1 |
| Zinc | Zn | 195 | 7 | 83 | 159 | 1 |
| Aluminum | Al | 22400 | 1040 | 8850 | 3260 | 10 |
| Boron | B | < | < | < | 17 | 1 |
| Calcium | Ca | 7360 | 1010 | 3620 | 18300 | 1 |
| Iron | Fe | 91000 | 4130 | 37600 | 18100 | 2 |
| Magnesium | Mg | 3170 | 224 | 2390 | 2140 | 0.1 |
| Manganese | Mn | 6170 | 24 | 1440 | 9880 | 1 |
| Phosphorus | P | 858 | 413 | 497 | 833 | 20 |
| Potassium | K | 522 | 159 | 422 | 369 | 10 |
| Sodium | Na | 137 | 233 | 109 | 53 | 5 |
| Strontium | Sr | 53 | 7 | 21 | 66 | 1 |
| Titanium | Ti | 222 | 408 | 197 | 56 | 1 |
| Zirconium | Zr | 6 | < | 2 | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)
 < = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-BVEG1-1 | 2-BVEG3-1 | |
|-------------------------------|----|-----------|-----------|-----------------|
| DATE SAMPLED: | | Nov 29/05 | Nov 29/05 | DETECTION LIMIT |
| CANTEST ID: | | 601180178 | 601180180 | |
| Antimony | Sb | < | < | 10 |
| Arsenic | As | 15 | 212 | 10 |
| Barium | Ba | 61 | 300 | 1 |
| Beryllium | Be | < | < | 1 |
| Cadmium | Cd | < | 2.2 | 0.5 |
| Chromium | Cr | 9 | 24 | 2 |
| Cobalt | Co | 3 | 23 | 1 |
| Copper | Cu | 8 | 94 | 1 |
| Lead | Pb | < | 23 | 5 |
| Mercury | Hg | 0.01 | 0.13 | 0.01 |
| Molybdenum | Mo | < | 5 | 4 |
| Nickel | Ni | 5 | 9 | 2 |
| Selenium | Se | < | 0.9 | 0.2 |
| Silver | Ag | < | < | 2 |
| Tin | Sn | < | < | 5 |
| Vanadium | V | 23 | 104 | 1 |
| Zinc | Zn | 28 | 70 | 1 |
| Aluminum | Al | 5790 | 37100 | 10 |
| Boron | B | < | < | 1 |
| Calcium | Ca | 2220 | 2790 | 1 |
| Iron | Fe | 7760 | 70300 | 2 |
| Magnesium | Mg | 2180 | 2290 | 0.1 |
| Manganese | Mn | 109 | 3100 | 1 |
| Phosphorus | P | 471 | 973 | 20 |
| Potassium | K | 474 | 534 | 10 |
| Sodium | Na | 151 | 119 | 5 |
| Strontium | Sr | 14 | 30 | 1 |
| Titanium | Ti | 266 | 302 | 1 |
| Zirconium | Zr | 1 | 3 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | | Blank (ug/g) | Blank Limits | Duplicate (R.P.D.) 601180043 | Duplicate Limits | Duplicate (R.P.D.) 601180055 | Duplicate Limits |
|------------|----|--------------|--------------|---------------------------------|------------------|---------------------------------|------------------|
| Antimony | Sb | - | - | NC | 30 | NC | 30 |
| Arsenic | As | < 10 | 10 | NC | 30 | NC | 30 |
| Barium | Ba | < 1 | 1 | 3 | 30 | 14.5 | 30 |
| Beryllium | Be | - | - | NC | 30 | NC | 30 |
| Chromium | Cr | - | - | 3.4 | 30 | 4.7 | 30 |
| Cobalt | Co | - | - | 9.5 | 30 | 15.4 | 30 |
| Copper | Cu | < 1 | 1 | 4.1 | 30 | 11.4 | 30 |
| Lead | Pb | < 5 | 5 | PASS | 30 | 13.3 | 30 |
| Mercury | Hg | < 0.01 | 0.001 | 0 | 30 | 0 | 30 |
| Molybdenum | Mo | - | - | NC | 30 | NC | 30 |
| Nickel | Ni | < 2 | 2 | 4.4 | 30 | 2.7 | 30 |
| Selenium | Se | < 0.2 | 0.2 | NC | 30 | NC | 30 |
| Tin | Sn | - | - | NC | 30 | PASS | 30 |
| Vanadium | V | - | - | 0 | 30 | 9.5 | 30 |
| Zinc | Zn | < 1 | 1 | 5.4 | 30 | 18.5 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | | Duplicate (R.P.D.) 601180121 | Duplicate Limits | Duplicate (R.P.D.) 601180133 | Duplicate Limits | Duplicate (R.P.D.) 601180144 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | NC | 30 | NC | 30 |
| Arsenic | As | NC | 30 | NC | 30 | NC | 30 |
| Barium | Ba | 0 | 30 | 18.2 | 30 | 2.4 | 30 |
| Beryllium | Be | NC | 30 | NC | 30 | NC | 30 |
| Chromium | Cr | 8.7 | 30 | 17.1 | 30 | 0 | 30 |
| Cobalt | Co | 5.7 | 30 | 0 | 30 | 0 | 30 |
| Copper | Cu | 11.6 | 30 | 6.9 | 30 | 0 | 30 |
| Lead | Pb | PASS | 30 | PASS | 30 | PASS | 30 |
| Mercury | Hg | 4.6 | 30 | 14.6 | 30 | 6.3 | 30 |
| Molybdenum | Mo | NC | 30 | NC | 30 | NC | 30 |
| Nickel | Ni | 17.1 | 30 | 6.5 | 30 | 3.3 | 30 |
| Selenium | Se | PASS | 30 | NC | 30 | NC | 30 |
| Tin | Sn | NC | 30 | NC | 30 | NC | 30 |
| Vanadium | V | 1.8 | 30 | 6.9 | 30 | 0 | 30 |
| Zinc | Zn | 24.2 | 30 | 2.6 | 30 | 3.2 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | | Duplicate (R.P.D.) 601180178 | Duplicate Limits | Duplicate (R.P.D.) 601180195 | Duplicate Limits | Duplicate (R.P.D.) 601180262 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | NC | 30 | NC | 30 |
| Arsenic | As | PASS | 30 | PASS | 30 | NC | 30 |
| Barium | Ba | 5 | 30 | 0.8 | 30 | 1.4 | 30 |
| Beryllium | Be | NC | 30 | NC | 30 | NC | 30 |
| Chromium | Cr | PASS | 30 | 7.5 | 30 | 0 | 30 |
| Cobalt | Co | PASS | 30 | 0 | 30 | 0 | 30 |
| Copper | Cu | 0 | 30 | 4.9 | 30 | 5 | 30 |
| Lead | Pb | NC | 30 | 0.5 | 30 | PASS | 30 |
| Mercury | Hg | PASS | 30 | 0.2 | 30 | 8 | 30 |
| Molybdenum | Mo | NC | 30 | 9.1 | 30 | NC | 30 |
| Nickel | Ni | PASS | 30 | 3.4 | 30 | 2.3 | 30 |
| Selenium | Se | NC | 30 | 0 | 30 | PASS | 30 |
| Tin | Sn | NC | 30 | PASS | 30 | NC | 30 |
| Vanadium | V | 4.4 | 30 | 2 | 30 | 2.6 | 30 |
| Zinc | Zn | 7.1 | 30 | 1.5 | 30 | 0 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | | NIST 2711 Montana Soil-SALM (% Recovery) | NIST 2711 Montana Soil-SALM Limits |
|-----------|----|---|---|
| Arsenic | As | 89 | 79 - 100 |
| Cadmium | Cd | 107 | 80 - 120 |
| Lead | Pb | 90 | 77 - 115 |
| Mercury | Hg | 91 | 84 - 122 |
| Nickel | Ni | 87 | 41 - 120 |
| Selenium | Se | 86 | 56 - 134 |
| Zinc | Zn | 95 | 80 - 110 |
| Calcium | Ca | 74 | 67 - 85 |
| Iron | Fe | 73 | 55 - 97 |
| Magnesium | Mg | 73 | 59 - 89 |
| Manganese | Mn | 79 | 64 - 96 |
| Sodium | Na | 4 | 1 - 6 |
| Strontium | Sr | 17 | 10 - 34 |

ug/g = micrograms per gram



REPORTED TO: Environmental Dynamics



REPORT DATE: February 21, 2006

GROUP NUMBER: 70118026

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 75560)

| QC Type | No. Samples |
|-----------------------------|-------------|
| NIST 2711 Montana Soil-SALM | 1 |
| Blank | 3 |
| Duplicate | 8 |

SALM Metals in Soil Sieve (Batch# 75555)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 81 |

SALM in Soil Digestion (Batch# 75560)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 81 |



Analysis Report



CANTEST LTD.

REPORT ON: Analysis of Soil Samples

Professional
Analytical
Services

REPORTED TO: Environmental Dynamics
3128 3rd Ave
Whitehorse, YK
Y1A 1E7

4606 Canada Way
Burnaby, B.C.
V5G 1K5

Att'n: Pat Tobler

Fax: 604 731 2386

CHAIN OF CUSTODY: 192250
PROJECT NAME: Mt. Hansen
P.O. NUMBER: 101162

Tel: 604 734 7276

1 800 665 8566

NUMBER OF SAMPLES: 10

REPORT DATE: January 31, 2006

DATE SUBMITTED: January 17, 2006

GROUP NUMBER: 70118026

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

Moisture in Soil - analysis was performed gravimetrically by heating a separate sample portion at 105 C and measuring the weight loss.

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science, 1993. The test was performed using a deionized water leach with measurement by pH meter.

Available Ammonium, and Available Nitrate in Soil and Solid - analysis was performed based on procedures described in "Manual of Soil Sampling and Methods of Analysis", McKeague (1987). The procedures involve extraction using a potassium sulfate solution followed by colorimetric analysis. This analysis was performed by a subcontractor.

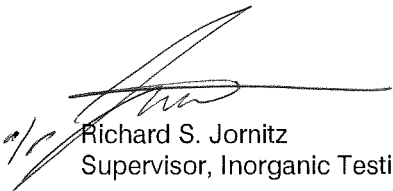
Total Kjeldahl Nitrogen - analysis was performed using an acid digestion, steam distillation, and titration. Results are reported on a dry weight basis; the samples were dried at 60 C. This test was performed by a subcontractor.

Fertility in Soil or Solid - analysis was performed using procedures described in "Manual of Soil Sampling and Methods of Analysis", Canadian Society of Soil Science, and "UBC Soil Science Laboratory Manual". These tests were performed by a subcontractor.

Available Ammonium, and Available Nitrate in Soil and Solid - analysis was performed based on procedures

(Continued)

CANTEST LTD.


Richard S. Jornitz
Supervisor, Inorganic Testing

Page 1 of 14



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Available Ammonium, and Available Nitrate in Soil and Solid

described in "Manual of Soil Sampling and Methods of Analysis", McKeague (1987). The procedures involve extraction using a potassium chloride solution followed by analysis using Alpkem Flow Solution IV autoanalyzer.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

COMMENTS:

Available Nitrate results for Sample #601180166 and sample #601180178 were not calculable due to inability of these samples to develop color.

TEST RESULTS:

(See following pages)



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | 3-BVEG2-2 | 1-BVEG3-1 | 2-BVEG1-1 | 3-BVEG2-1 | DETECTION LIMIT | UNITS |
|-------------------------------|-----------|-----------|-----------|-----------|-----------------|-----------|
| DATE SAMPLED: | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | | |
| CANTEST ID: | 601180164 | 601180166 | 601180169 | 601180172 | | |
| Available Nitrate Nitrogen | 1.5 | NC | 37 | 1.7 | 0.1 | ug/g as N |
| Moisture | 13.2 | 60.9 | 55.6 | 15.7 | 0.1 | % |
| Total Kjeldahl Nitrogen N | 0.06 | 0.02 | 0.50 | 0.05 | 0.02 | % dry wt. |
| pH | 7.2 | 5.4 | 5.9 | 6.3 | 0.1 | pH units |

ug/g as N = microgram per gram as N

% = percent

% dry wt. = percent, dry weight basis



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | 2-BVEG2-1 | 3-BVEG3-1 | 1-BVEG2-1 | 1-BVEG1-1 | DETECTION LIMIT | UNITS |
|-------------------------------|-----------|-----------|-----------|-----------|-----------------|-----------|
| DATE SAMPLED: | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | | |
| CANTEST ID: | 601180173 | 601180175 | 601180176 | 601180177 | | |
| Available Nitrate Nitrogen | 33 | 9.5 | 47 | 47 | 0.1 | ug/g as N |
| Moisture | 57.3 | 23.0 | 41.1 | 68.0 | 0.1 | % |
| Total Kjeldahl Nitrogen N | 0.55 | 0.03 | 0.40 | 1.37 | 0.02 | % dry wt. |
| pH | 6.4 | 6.4 | 6.5 | 7.2 | 0.1 | pH units |

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | 3-BVEG1-1 | 2-BVEG3-1 | | |
|-------------------------------|-----------|-----------|-----------------|-----------|
| DATE SAMPLED: | Nov 29/05 | Nov 29/05 | | |
| CANTEST ID: | 601180178 | 601180180 | DETECTION LIMIT | UNITS |
| Available Nitrate Nitrogen | NC | 44 | 0.1 | ug/g as N |
| Moisture | 21.9 | 63.0 | 0.1 | % |
| Total Kjeldahl Nitrogen N | 0.05 | 0.77 | 0.02 | % dry wt. |
| pH | 6.6 | 5.7 | 0.1 | pH units |

ug/g as N = microgram per gram as N
% dry wt. = percent, dry weight basis

% = percent



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Fertility in Soil

| CLIENT SAMPLE IDENTIFICATION: | SAMPLE DATE | CANTEST ID | Available Ammonium Nitrogen | Available Phosphorus P |
|-------------------------------|-------------|------------|-----------------------------|------------------------|
| 3-BVEG2-2 | Nov 29/05 | 601180164 | 3 | 3.9 |
| 1-BVEG3-1 | Nov 29/05 | 601180166 | 40 | 17 |
| 2-BVEG1-1 | Nov 29/05 | 601180169 | 16 | 0.5 |
| 3-BVEG2-1 | Nov 29/05 | 601180172 | 5 | 2.9 |
| 2-BVEG2-1 | Nov 29/05 | 601180173 | 16 | 1.5 |
| 3-BVEG3-1 | Nov 29/05 | 601180175 | 8 | 13 |
| 1-BVEG2-1 | Nov 29/05 | 601180176 | 27 | 1.5 |
| 1-BVEG1-1 | Nov 29/05 | 601180177 | 60 | 8.8 |
| 3-BVEG1-1 | Nov 29/05 | 601180178 | 5 | 3.2 |
| 2-BVEG3-1 | Nov 29/05 | 601180180 | 28 | 0.5 |
| DETECTION LIMIT UNITS | | | 0.5 ug/g as N | 0.5 µg/g |

ug/g as N = microgram per gram as N

µg/g = micrograms per gram, on a dry weight basis.



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | 3-BVEG2-2 | 1-BVEG3-1 | 2-BVEG1-1 | 3-BVEG2-1 | |
|-------------------------------|-----------|-----------|-----------|-----------|-----------------|
| DATE SAMPLED: | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | DETECTION LIMIT |
| CANTEST ID: | 601180164 | 601180166 | 601180169 | 601180172 | |
| Antimony Sb | < | < | < | < | 10 |
| Arsenic As | < | 36 | 400 | 11 | 10 |
| Barium Ba | 49 | 140 | 340 | 54 | 1 |
| Beryllium Be | < | < | < | < | 1 |
| Cadmium Cd | < | 0.7 | 6.1 | < | 0.5 |
| Chromium Cr | 9 | 4 | 23 | 10 | 2 |
| Cobalt Co | 4 | 4 | 31 | 5 | 1 |
| Copper Cu | 7 | 340 | 97 | 11 | 1 |
| Lead Pb | < | 6 | 31 | < | 5 |
| Mercury Hg | < | 0.17 | 0.09 | 0.02 | 0.01 |
| Molybdenum Mo | < | < | < | < | 4 |
| Nickel Ni | 6 | 5 | 18 | 9 | 2 |
| Selenium Se | < | 0.3 | 0.9 | < | 0.2 |
| Silver Ag | < | 6 | < | < | 2 |
| Tin Sn | < | 5 | 7 | < | 5 |
| Vanadium V | 17 | 10 | 77 | 22 | 1 |
| Zinc Zn | 33 | 28 | 127 | 40 | 1 |
| Aluminum Al | 5480 | 2430 | 23800 | 6640 | 10 |
| Boron B | < | < | < | < | 1 |
| Calcium Ca | 2160 | 4410 | 3800 | 2390 | 1 |
| Iron Fe | 6620 | 19200 | 99500 | 8130 | 2 |
| Magnesium Mg | 2220 | 712 | 2560 | 2600 | 0.1 |
| Manganese Mn | 70 | 443 | 9040 | 84 | 1 |
| Phosphorus P | 399 | 909 | 1090 | 412 | 20 |
| Potassium K | 496 | 374 | 476 | 603 | 10 |
| Sodium Na | 124 | 83 | 88 | 144 | 5 |
| Strontium Sr | 12 | 28 | 36 | 14 | 1 |
| Titanium Ti | 223 | 54 | 229 | 269 | 1 |
| Zirconium Zr | < | < | 7 | 1 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. (µg/g)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 2-BVEG2-1 | 3-BVEG3-1 | 1-BVEG2-1 | 1-BVEG1-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| DATE SAMPLED: | | Nov 29/05 | Nov 29/05 | Nov 29/05 | Nov 29/05 | |
| CANTEST ID: | | 601180173 | 601180175 | 601180176 | 601180177 | |
| Antimony | Sb | 10 | < | < | < | 10 |
| Arsenic | As | 349 | < | 201 | 76 | 10 |
| Barium | Ba | 388 | 13 | 98 | 248 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 4.2 | < | 2.4 | 4.3 | 0.5 |
| Chromium | Cr | 22 | < | 11 | 3 | 2 |
| Cobalt | Co | 32 | 2 | 8 | 25 | 1 |
| Copper | Cu | 87 | 2 | 32 | 110 | 1 |
| Lead | Pb | 28 | < | 10 | 6 | 5 |
| Mercury | Hg | 0.09 | < | 0.05 | 0.14 | 0.01 |
| Molybdenum | Mo | 4 | < | < | < | 4 |
| Nickel | Ni | 25 | < | 7 | 16 | 2 |
| Selenium | Se | 0.9 | < | 0.2 | 0.7 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | 8 | < | < | 6 | 5 |
| Vanadium | V | 67 | 16 | 33 | 6 | 1 |
| Zinc | Zn | 195 | 7 | 83 | 159 | 1 |
| Aluminum | Al | 22400 | 1040 | 8850 | 3260 | 10 |
| Boron | B | < | < | < | 17 | 1 |
| Calcium | Ca | 7360 | 1010 | 3620 | 18300 | 1 |
| Iron | Fe | 91000 | 4130 | 37600 | 18100 | 2 |
| Magnesium | Mg | 3170 | 224 | 2390 | 2140 | 0.1 |
| Manganese | Mn | 6170 | 24 | 1440 | 9880 | 1 |
| Phosphorus | P | 858 | 413 | 497 | 833 | 20 |
| Potassium | K | 522 | 159 | 422 | 369 | 10 |
| Sodium | Na | 137 | 233 | 109 | 53 | 5 |
| Strontium | Sr | 53 | 7 | 21 | 66 | 1 |
| Titanium | Ti | 222 | 408 | 197 | 56 | 1 |
| Zirconium | Zr | 6 | < | 2 | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-BVEG1-1 | 2-BVEG3-1 | |
|-------------------------------|----|-----------|-----------|-----------------|
| DATE SAMPLED: | | Nov 29/05 | Nov 29/05 | DETECTION LIMIT |
| CANTEST ID: | | 601180178 | 601180180 | |
| Antimony | Sb | < | < | 10 |
| Arsenic | As | 15 | 212 | 10 |
| Barium | Ba | 61 | 300 | 1 |
| Beryllium | Be | < | < | 1 |
| Cadmium | Cd | < | 2.2 | 0.5 |
| Chromium | Cr | 9 | 24 | 2 |
| Cobalt | Co | 3 | 23 | 1 |
| Copper | Cu | 8 | 94 | 1 |
| Lead | Pb | < | 23 | 5 |
| Mercury | Hg | 0.01 | 0.13 | 0.01 |
| Molybdenum | Mo | < | 5 | 4 |
| Nickel | Ni | 5 | 9 | 2 |
| Selenium | Se | < | 0.9 | 0.2 |
| Silver | Ag | < | < | 2 |
| Tin | Sn | < | < | 5 |
| Vanadium | V | 23 | 104 | 1 |
| Zinc | Zn | 28 | 70 | 1 |
| Aluminum | Al | 5790 | 37100 | 10 |
| Boron | B | < | < | 1 |
| Calcium | Ca | 2220 | 2790 | 1 |
| Iron | Fe | 7760 | 70300 | 2 |
| Magnesium | Mg | 2180 | 2290 | 0.1 |
| Manganese | Mn | 109 | 3100 | 1 |
| Phosphorus | P | 471 | 973 | 20 |
| Potassium | K | 474 | 534 | 10 |
| Sodium | Na | 151 | 119 | 5 |
| Strontium | Sr | 14 | 30 | 1 |
| Titanium | Ti | 266 | 302 | 1 |
| Zirconium | Zr | 1 | 3 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | Blank (ug/g) | Blank Limits | Duplicate (R.P.D.) 601180043 | Duplicate Limits | Duplicate (R.P.D.) 601180055 | Duplicate Limits |
|---------------|--------------|--------------|---------------------------------|------------------|---------------------------------|------------------|
| Antimony Sb | - | - | NC | 30 | NC | 30 |
| Arsenic As | < 10 | 10 | NC | 30 | NC | 30 |
| Barium Ba | < 1 | 1 | 3 | 30 | 14.5 | 30 |
| Beryllium Be | - | - | NC | 30 | NC | 30 |
| Chromium Cr | - | - | 3.4 | 30 | 4.7 | 30 |
| Cobalt Co | - | - | 9.5 | 30 | 15.4 | 30 |
| Copper Cu | < 1 | 1 | 4.1 | 30 | 11.4 | 30 |
| Lead Pb | < 5 | 5 | PASS | 30 | 13.3 | 30 |
| Mercury Hg | < 0.01 | 0.001 | 0 | 30 | 0 | 30 |
| Molybdenum Mo | - | - | NC | 30 | NC | 30 |
| Nickel Ni | < 2 | 2 | 4.4 | 30 | 2.7 | 30 |
| Selenium Se | < 0.2 | 0.2 | NC | 30 | NC | 30 |
| Tin Sn | - | - | NC | 30 | PASS | 30 |
| Vanadium V | - | - | 0 | 30 | 9.5 | 30 |
| Zinc Zn | < 1 | 1 | 5.4 | 30 | 18.5 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | | Duplicate (R.P.D.) 601180121 | Duplicate Limits | Duplicate (R.P.D.) 601180133 | Duplicate Limits | Duplicate (R.P.D.) 601180144 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | NC | 30 | NC | 30 |
| Arsenic | As | NC | 30 | NC | 30 | NC | 30 |
| Barium | Ba | 0 | 30 | 18.2 | 30 | 2.4 | 30 |
| Beryllium | Be | NC | 30 | NC | 30 | NC | 30 |
| Chromium | Cr | 8.7 | 30 | 17.1 | 30 | 0 | 30 |
| Cobalt | Co | 5.7 | 30 | 0 | 30 | 0 | 30 |
| Copper | Cu | 11.6 | 30 | 6.9 | 30 | 0 | 30 |
| Lead | Pb | PASS | 30 | PASS | 30 | PASS | 30 |
| Mercury | Hg | 4.6 | 30 | 14.6 | 30 | 6.3 | 30 |
| Molybdenum | Mo | NC | 30 | NC | 30 | NC | 30 |
| Nickel | Ni | 17.1 | 30 | 6.5 | 30 | 3.3 | 30 |
| Selenium | Se | PASS | 30 | NC | 30 | NC | 30 |
| Tin | Sn | NC | 30 | NC | 30 | NC | 30 |
| Vanadium | V | 1.8 | 30 | 6.9 | 30 | 0 | 30 |
| Zinc | Zn | 24.2 | 30 | 2.6 | 30 | 3.2 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | | Duplicate (R.P.D.) 601180178 | Duplicate Limits | Duplicate (R.P.D.) 601180195 | Duplicate Limits | Duplicate (R.P.D.) 601180262 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | NC | 30 | NC | 30 |
| Arsenic | As | PASS | 30 | PASS | 30 | NC | 30 |
| Barium | Ba | 5 | 30 | 0.8 | 30 | 1.4 | 30 |
| Beryllium | Be | NC | 30 | NC | 30 | NC | 30 |
| Chromium | Cr | PASS | 30 | 7.5 | 30 | 0 | 30 |
| Cobalt | Co | PASS | 30 | 0 | 30 | 0 | 30 |
| Copper | Cu | 0 | 30 | 4.9 | 30 | 5 | 30 |
| Lead | Pb | NC | 30 | 0.5 | 30 | PASS | 30 |
| Mercury | Hg | PASS | 30 | 0.2 | 30 | 8 | 30 |
| Molybdenum | Mo | NC | 30 | 9.1 | 30 | NC | 30 |
| Nickel | Ni | PASS | 30 | 3.4 | 30 | 2.3 | 30 |
| Selenium | Se | NC | 30 | 0 | 30 | PASS | 30 |
| Tin | Sn | NC | 30 | PASS | 30 | NC | 30 |
| Vanadium | V | 4.4 | 30 | 2 | 30 | 2.6 | 30 |
| Zinc | Zn | 7.1 | 30 | 1.5 | 30 | 0 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 75560)

| Parameter | | NIST 2711 Montana Soil-SALM (% Recovery) | NIST 2711 Montana Soil-SALM Limits |
|-----------|----|---|---|
| Arsenic | As | 89 | 79 - 100 |
| Cadmium | Cd | 107 | 80 - 120 |
| Lead | Pb | 90 | 77 - 115 |
| Mercury | Hg | 91 | 84 - 122 |
| Nickel | Ni | 87 | 41 - 120 |
| Selenium | Se | 86 | 56 - 134 |
| Zinc | Zn | 95 | 80 - 110 |
| Calcium | Ca | 74 | 67 - 85 |
| Iron | Fe | 73 | 55 - 97 |
| Magnesium | Mg | 73 | 59 - 89 |
| Manganese | Mn | 79 | 64 - 96 |
| Sodium | Na | 4 | 1 - 6 |
| Strontium | Sr | 17 | 10 - 34 |

ug/g = micrograms per gram



REPORTED TO: Environmental Dynamics



REPORT DATE: January 31, 2006

GROUP NUMBER: 70118026

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 75560)

| QC Type | No. Samples |
|-----------------------------|-------------|
| NIST 2711 Montana Soil-SALM | 1 |
| Blank | 3 |
| Duplicate | 8 |

SALM Metals in Soil Sieve (Batch# 75555)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 81 |

SALM in Soil Digestion (Batch# 75560)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 81 |



Analysis Report



CANTEST LTD.

REPORT ON: Analysis of Soil Samples

Professional
Analytical
Services

REPORTED TO: Environmental Dynamics
3128 3rd Ave
Whitehorse, YK
Y1A 1E7

4606 Canada Way
Burnaby, B.C.
V5G 1K5

Att'n: Pat Tobler

Fax: 604 731 2386

CHAIN OF CUSTODY: 192251, 192252
PROJECT NAME: Mt Nansen
PROJECT NUMBER: 05-YC-0025
P.O. NUMBER: 00010207

Tel: 604 734 7276

1 800 665 8566

NUMBER OF SAMPLES: 15

REPORT DATE: March 31, 2006

DATE SUBMITTED: March 28, 2006

GROUP NUMBER: 70328079

SAMPLE TYPE: Soil

NOTE: Results contained in this report refer only to the testing of samples as submitted. Other information is available on request.

TEST METHODS:

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science, 1993. The test was performed using a deionized water leach with measurement by pH meter.

Mercury in Soil - analysis was performed using Cold Vapour Atomic Fluorescence.

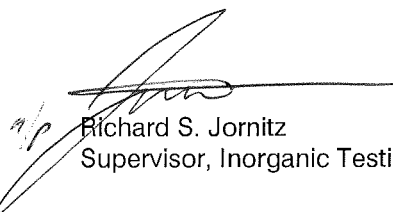
Strong Acid Leachable Metals in Soil - analysis was performed using B.C. MOELP Method "Strong Acid Leachable Metals in Soil, Version 1.0". The method involves drying the sample at 60 C, sieving using a 2 mm (10 mesh) sieve and digestion using a mixture of hydrochloric and nitric acids. Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil - analysis was using Inductively Coupled Plasma Mass Spectrometry (ICP/MS).

TEST RESULTS:

(See following pages)

CANTEST LTD.


Richard S. Jornitz
Supervisor, Inorganic Testing

Page 1 of 12



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Conventional Parameters in Soil

| CLIENT SAMPLE IDENTIFICATION: | CANTEST ID | pH |
|-------------------------------|------------|-----------------|
| 1-CP9-1 | 603280505 | 4.5 |
| 2-CP9-1 | 603280506 | 5.1 |
| 3-CP9-1 | 603280508 | 5.8 |
| 1-CP8-1 | 603280509 | 4.4 |
| 2-CP8-1 | 603280510 | 4.9 |
| 3-CP8-1 | 603280511 | 5.4 |
| 1-CP7-1 | 603280512 | 4.9 |
| 2-CP7-1 | 603280513 | 5.1 |
| 3-CP7-1 | 603280514 | 5.4 |
| 1-CP6-1 | 603280515 | 4.3 |
| 2-CP6-1 | 603280517 | 5.2 |
| 3-CP6-1 | 603280518 | 5.3 |
| 1-CP5-1 | 603280519 | 4.3 |
| 2-CP5-1 | 603280520 | 5.2 |
| 3-CP5-1 | 603280522 | 5.1 |
| DETECTION LIMIT UNITS | | 0.1 pH units |



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-CP9-1 | 2-CP9-1 | 3-CP9-1 | 1-CP8-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 603280505 | 603280506 | 603280508 | 603280509 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 10 | < | 95 | 49 | 10 |
| Barium | Ba | 97 | 12 | 85 | 86 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 1.1 | < | 1.3 | 1.7 | 0.5 |
| Chromium | Cr | 4 | 3 | 12 | 10 | 2 |
| Cobalt | Co | 1 | 2 | 6 | 3 | 1 |
| Copper | Cu | 8 | 3 | 11 | 11 | 1 |
| Lead | Pb | < | < | 27 | 8 | 5 |
| Mercury | Hg | 0.23 | 0.02 | 0.03 | 0.12 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 3 | < | 6 | 6 | 2 |
| Selenium | Se | < | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 7 | 18 | 33 | 20 | 1 |
| Zinc | Zn | 34 | 10 | 44 | 73 | 1 |
| Aluminum | Al | 2770 | 1390 | 10900 | 7270 | 10 |
| Boron | B | 2 | < | < | < | 1 |
| Calcium | Ca | 3930 | 688 | 1980 | 1910 | 1 |
| Iron | Fe | 4010 | 5380 | 14100 | 10500 | 2 |
| Magnesium | Mg | 729 | 439 | 2130 | 1490 | 0.1 |
| Manganese | Mn | 101 | 41 | 264 | 106 | 1 |
| Phosphorus | P | 1190 | 225 | 485 | 776 | 20 |
| Potassium | K | 689 | 202 | 525 | 629 | 10 |
| Sodium | Na | 96 | 152 | 155 | 67 | 5 |
| Strontium | Sr | 33 | 5 | 15 | 21 | 1 |
| Titanium | Ti | 95 | 245 | 375 | 143 | 1 |
| Zirconium | Zr | < | < | < | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 2-CP8-1 | 3-CP8-1 | 1-CP7-1 | 2-CP7-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 603280510 | 603280511 | 603280512 | 603280513 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 13 | 141 | 42 | < | 10 |
| Barium | Ba | 18 | 124 | 109 | 27 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | < | 2.1 | 1.7 | < | 0.5 |
| Chromium | Cr | 3 | 27 | 15 | 6 | 2 |
| Cobalt | Co | 1 | 9 | 5 | 3 | 1 |
| Copper | Cu | 4 | 22 | 19 | 6 | 1 |
| Lead | Pb | < | 20 | 18 | 6 | 5 |
| Mercury | Hg | 0.02 | 0.06 | 0.09 | 0.02 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | < | 16 | 8 | 3 | 2 |
| Selenium | Se | < | < | < | < | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 13 | 54 | 26 | 30 | 1 |
| Zinc | Zn | 23 | 200 | 76 | 26 | 1 |
| Aluminum | Al | 2280 | 27100 | 13500 | 3540 | 10 |
| Boron | B | < | < | < | < | 1 |
| Calcium | Ca | 453 | 2150 | 3840 | 1020 | 1 |
| Iron | Fe | 5020 | 25200 | 13500 | 9230 | 2 |
| Magnesium | Mg | 559 | 5790 | 2520 | 918 | 0.1 |
| Manganese | Mn | 35 | 334 | 167 | 97 | 1 |
| Phosphorus | P | 134 | 414 | 1090 | 339 | 20 |
| Potassium | K | 173 | 887 | 676 | 318 | 10 |
| Sodium | Na | 99 | 82 | 118 | 207 | 5 |
| Strontium | Sr | 5 | 17 | 37 | 10 | 1 |
| Titanium | Ti | 169 | 471 | 190 | 372 | 1 |
| Zirconium | Zr | < | 3 | 1 | < | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 3-CP7-1 | 1-CP6-1 | 2-CP6-1 | 3-CP6-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 603280514 | 603280515 | 603280517 | 603280518 | |
| Antimony | Sb | < | < | < | < | 10 |
| Arsenic | As | 57 | 24 | 28 | 27 | 10 |
| Barium | Ba | 114 | 246 | 166 | 224 | 1 |
| Beryllium | Be | < | < | < | < | 1 |
| Cadmium | Cd | 1.2 | 3.5 | 0.5 | 0.6 | 0.5 |
| Chromium | Cr | 21 | 6 | 27 | 29 | 2 |
| Cobalt | Co | 12 | 3 | 9 | 9 | 1 |
| Copper | Cu | 21 | 16 | 47 | 79 | 1 |
| Lead | Pb | 29 | 11 | 31 | 32 | 5 |
| Mercury | Hg | 0.02 | 0.17 | 0.04 | 0.08 | 0.01 |
| Molybdenum | Mo | < | < | < | < | 4 |
| Nickel | Ni | 13 | 5 | 15 | 17 | 2 |
| Selenium | Se | < | < | 0.3 | 0.4 | 0.2 |
| Silver | Ag | < | < | < | < | 2 |
| Tin | Sn | < | < | < | < | 5 |
| Vanadium | V | 50 | 11 | 46 | 46 | 1 |
| Zinc | Zn | 130 | 82 | 91 | 90 | 1 |
| Aluminum | Al | 21000 | 3010 | 13100 | 15800 | 10 |
| Boron | B | < | 1 | < | < | 1 |
| Calcium | Ca | 2590 | 2980 | 2520 | 2930 | 1 |
| Iron | Fe | 20900 | 6220 | 21400 | 22000 | 2 |
| Magnesium | Mg | 4850 | 733 | 4040 | 4100 | 0.1 |
| Manganese | Mn | 600 | 157 | 463 | 414 | 1 |
| Phosphorus | P | 569 | 839 | 446 | 573 | 20 |
| Potassium | K | 564 | 655 | 889 | 783 | 10 |
| Sodium | Na | 102 | 50 | 61 | 69 | 5 |
| Strontium | Sr | 28 | 29 | 18 | 22 | 1 |
| Titanium | Ti | 368 | 72 | 301 | 219 | 1 |
| Zirconium | Zr | < | < | 1 | 2 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Strong Acid Soluble Metals in Soil

| CLIENT SAMPLE IDENTIFICATION: | | 1-CP5-1 | 2-CP5-1 | 3-CP5-1 | DETECTION LIMIT |
|-------------------------------|----|-----------|-----------|-----------|-----------------|
| CANTEST ID: | | 603280519 | 603280520 | 603280522 | |
| Antimony | Sb | < | < | < | 10 |
| Arsenic | As | 21 | < | 106 | 10 |
| Barium | Ba | 127 | 7 | 78 | 1 |
| Beryllium | Be | < | < | < | 1 |
| Cadmium | Cd | 3.1 | < | 1.5 | 0.5 |
| Chromium | Cr | 6 | < | 17 | 2 |
| Cobalt | Co | 2 | 1 | 5 | 1 |
| Copper | Cu | 17 | 2 | 16 | 1 |
| Lead | Pb | 16 | < | 32 | 5 |
| Mercury | Hg | 0.10 | < | 0.02 | 0.01 |
| Molybdenum | Mo | < | < | < | 4 |
| Nickel | Ni | 5 | < | 10 | 2 |
| Selenium | Se | < | < | < | 0.2 |
| Silver | Ag | 3 | < | < | 2 |
| Tin | Sn | < | < | < | 5 |
| Vanadium | V | 10 | 12 | 34 | 1 |
| Zinc | Zn | 45 | 7 | 89 | 1 |
| Aluminum | Al | 2860 | 692 | 10800 | 10 |
| Boron | B | < | < | < | 1 |
| Calcium | Ca | 2260 | 302 | 1130 | 1 |
| Iron | Fe | 5430 | 3420 | 17700 | 2 |
| Magnesium | Mg | 644 | 169 | 2910 | 0.1 |
| Manganese | Mn | 74 | 36 | 169 | 1 |
| Phosphorus | P | 1010 | 80 | 207 | 20 |
| Potassium | K | 669 | 139 | 697 | 10 |
| Sodium | Na | 82 | 142 | 51 | 5 |
| Strontium | Sr | 30 | 4 | 10 | 1 |
| Titanium | Ti | 38 | 182 | 303 | 1 |
| Zirconium | Zr | < | < | 3 | 1 |

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

| Parameter | | Blank (ug/g) | Blank Limits | Duplicate (R.P.D.) 603270218 | Duplicate Limits | Duplicate (R.P.D.) 603270304 | Duplicate Limits |
|------------|----|--------------|--------------|---------------------------------|------------------|---------------------------------|------------------|
| Antimony | Sb | - | - | NC | 30 | NC | 30 |
| Arsenic | As | < 10 | 10 | NC | 30 | NC | 30 |
| Barium | Ba | < 1 | 1 | 8 | 30 | 0 | 30 |
| Beryllium | Be | - | - | NC | 30 | NC | 30 |
| Chromium | Cr | - | - | 3.5 | 30 | 5.7 | 30 |
| Cobalt | Co | - | - | 15.4 | 30 | 0 | 30 |
| Copper | Cu | < 1 | 1 | 1.7 | 30 | 10.5 | 30 |
| Lead | Pb | < 5 | 5 | 2.6 | 30 | NC | 30 |
| Mercury | Hg | < 0.01 | 0.001 | 0 | 30 | 0 | 30 |
| Molybdenum | Mo | - | - | NC | 30 | NC | 30 |
| Nickel | Ni | < 2 | 2 | PASS | 30 | 0 | 30 |
| Selenium | Se | < 0.2 | 0.2 | PASS | 30 | NC | 30 |
| Tin | Sn | - | - | - | - | NC | 30 |
| Vanadium | V | - | - | 3.6 | 30 | 2.2 | 30 |
| Zinc | Zn | < 1 | 1 | 0.6 | 30 | 2.7 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

| Parameter | | Duplicate (R.P.D.) 603270333 | Duplicate Limits | Duplicate (R.P.D.) 603280136 | Duplicate Limits | Duplicate (R.P.D.) 603280142 | Duplicate Limits |
|------------|----|---------------------------------|------------------|---------------------------------|------------------|---------------------------------|------------------|
| Antimony | Sb | NC | 30 | - | - | NC | 30 |
| Arsenic | As | NC | 30 | NC | 30 | NC | 30 |
| Barium | Ba | 0 | 30 | - | - | 3.9 | 30 |
| Beryllium | Be | NC | 30 | - | - | NC | 30 |
| Chromium | Cr | (*) | 30 | - | - | 3.3 | 30 |
| Cobalt | Co | 18.2 | 30 | - | - | 0 | 30 |
| Copper | Cu | 15.4 | 30 | 7.4 | 30 | (*) | 30 |
| Lead | Pb | NC | 30 | - | - | 6.5 | 30 |
| Mercury | Hg | NC | 30 | - | - | 12.6 | 30 |
| Molybdenum | Mo | NC | 30 | PASS | 30 | NC | 30 |
| Nickel | Ni | 9.5 | 30 | - | - | 0 | 30 |
| Selenium | Se | NC | 30 | - | - | NC | 30 |
| Tin | Sn | NC | 30 | - | - | NC | 30 |
| Vanadium | V | 5.1 | 30 | - | - | 0 | 30 |
| Zinc | Zn | 0 | 30 | - | - | 1.1 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

(*) = Quality Control results exceeded internally set limits; after review by Quality Assurance Unit, non-conformance overridden and batch sample analysis results released for reporting



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

| Parameter | | Duplicate (R.P.D.) 603280166 | Duplicate Limits | Duplicate (R.P.D.) 603280187 | Duplicate Limits | Duplicate (R.P.D.) 603280216 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | - | - | - | - |
| Arsenic | As | NC | 30 | - | - | - | - |
| Barium | Ba | 11.3 | 30 | - | - | - | - |
| Beryllium | Be | NC | 30 | - | - | - | - |
| Chromium | Cr | 3.8 | 30 | - | - | - | - |
| Cobalt | Co | 8 | 30 | - | - | - | - |
| Copper | Cu | 14.6 | 30 | - | - | - | - |
| Lead | Pb | (*) | 30 | NC | 30 | NC | 30 |
| Mercury | Hg | 7.8 | 30 | - | - | - | - |
| Molybdenum | Mo | NC | 30 | - | - | - | - |
| Nickel | Ni | 4.1 | 30 | - | - | - | - |
| Selenium | Se | NC | 30 | - | - | - | - |
| Tin | Sn | NC | 30 | NC | 30 | - | - |
| Vanadium | V | 3.8 | 30 | - | - | - | - |
| Zinc | Zn | 11.9 | 30 | - | - | - | - |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

(*) = Quality Control results exceeded internally set limits; after review by Quality Assurance Unit, non-conformance overridden and batch sample analysis results released for reporting



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

| Parameter | | Duplicate (R.P.D.) 603280314 | Duplicate Limits | Duplicate (R.P.D.) 603280498 | Duplicate Limits | Duplicate (R.P.D.) 603280512 | Duplicate Limits |
|------------|----|------------------------------------|---------------------|------------------------------------|---------------------|------------------------------------|---------------------|
| Antimony | Sb | NC | 30 | NC | 30 | NC | 30 |
| Arsenic | As | NC | 30 | NC | 30 | PASS | 30 |
| Barium | Ba | 1.9 | 30 | 2.3 | 30 | 0 | 30 |
| Beryllium | Be | NC | 30 | NC | 30 | NC | 30 |
| Chromium | Cr | 3.6 | 30 | 2.7 | 30 | 6.9 | 30 |
| Cobalt | Co | 0 | 30 | 0 | 30 | PASS | 30 |
| Copper | Cu | 2.4 | 30 | 10.3 | 30 | 5.4 | 30 |
| Lead | Pb | 12.5 | 30 | 2.7 | 30 | PASS | 30 |
| Mercury | Hg | 8.5 | 30 | 8.3 | 30 | 0 | 30 |
| Molybdenum | Mo | NC | 30 | NC | 30 | NC | 30 |
| Nickel | Ni | 0 | 30 | 5.6 | 30 | PASS | 30 |
| Selenium | Se | NC | 30 | NC | 30 | NC | 30 |
| Tin | Sn | PASS | 30 | PASS | 30 | NC | 30 |
| Vanadium | V | 4.1 | 30 | 3.3 | 30 | 3.9 | 30 |
| Zinc | Zn | 3.7 | 30 | 2.6 | 30 | 2.6 | 30 |

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Batch Quality Control for Strong Acid Soluble Metals in Soil (QC# 78865)

| Parameter | | NIST 2711 Montana Soil-SALM (% Recovery) | NIST 2711 Montana Soil-SALM Limits |
|-----------|----|---|---|
| Arsenic | As | 93 | 79 - 100 |
| Cadmium | Cd | 110 | 80 - 120 |
| Lead | Pb | 91 | 77 - 115 |
| Mercury | Hg | 117 | 84 - 122 |
| Nickel | Ni | 78 | 41 - 120 |
| Selenium | Se | 92 | 56 - 134 |
| Zinc | Zn | 97 | 80 - 110 |
| Calcium | Ca | 73 | 67 - 85 |
| Iron | Fe | 71 | 55 - 97 |
| Magnesium | Mg | 73 | 59 - 89 |
| Manganese | Mn | 79 | 64 - 96 |
| Sodium | Na | 5 | 1 - 6 |
| Strontium | Sr | 18 | 10 - 34 |

ug/g = micrograms per gram



REPORTED TO: Environmental Dynamics



REPORT DATE: March 31, 2006

GROUP NUMBER: 70328079

Batch Quality Control Frequency Summary

SALM in Soil Digestion (Batch# 78865)

| QC Type | No. Samples |
|-----------------------------|-------------|
| NIST 2711 Montana Soil-SALM | 1 |
| Blank | 3 |
| Duplicate | 11 |

SALM Metals in Soil Sieve (Batch# 78856)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 87 |

SALM in Soil Digestion (Batch# 78865)

| QC Type | No. Samples |
|------------|-------------|
| Batch Size | 116 |

