

April 12, 2007

Matt Kelzenberg
Alaska Railroad Corporation
P.O. Box 107500
Anchorage, AK 99510

RE: Seward Coal Facility

Enclosed are the results of analyses for samples received by the laboratory on 04/02/07 18:00.
The following list is a summary of the Work Orders contained in this report, generated on 04/12/07
15:34.

If you have any questions concerning this report, please feel free to contact me.

| <u>Work Order</u> | <u>Project</u> | <u>ProjectNumber</u> |
|-------------------|----------------------|----------------------|
| BQD0033 | Seward Coal Facility | None provided |

Sandra Yakamavich



| | | | |
|--|------------------|-----------------------------|-----------------|
| Alaska Railroad Corporation P.O. Box 107500 Anchorage, AK 99510 | Project Name: | Seward Coal Facility | Report Created: |
| | Project Number: | None provided | 04/12/07 15:34 |
| | Project Manager: | Matt Kelzenberg | |

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|-----------|----------------|----------------|
| Sample #1 | BQD0033-01 | Other dry | 03/28/07 12:02 | 04/02/07 18:00 |
| Sample #2 | BQD0033-02 | Other dry | 03/28/07 12:08 | 04/02/07 18:00 |
| Sample #3 | BQD0033-03 | Other dry | 03/28/07 12:14 | 04/02/07 18:00 |
| Sample #4 | BQD0033-04 | Other dry | 03/28/07 12:21 | 04/02/07 18:00 |
| Sample #5 | BQD0033-05 | Other dry | 03/28/07 12:26 | 04/02/07 18:00 |

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Sandra Yakamavich, Project Manager

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| | | |
|------------------------------------|---|-----------------|
| Alaska Railroad Corporation | Project Name: Seward Coal Facility | Report Created: |
| P.O. Box 107500 | Project Number: None provided | 04/12/07 15:34 |
| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | |

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - Seattle, WA

| Analyte | Method | Result | MDL* | MRL | Units | Dil | Batch | Prepared | Analyzed | Notes |
|----------------------------------|-----------|--------------|------------------|-------|-----------|-------|--------------------------------|----------------|----------------|-------|
| BQD0033-01 (Sample #1) | | | Other dry | | | | Sampled: 03/28/07 12:02 | | | |
| Antimony | EPA 6020 | ND | ---- | 2.14 | mg/kg wet | 1x | 7D06027 | 04/06/07 12:42 | 04/09/07 09:47 | |
| Arsenic | " | 1.82 | ---- | 0.714 | " | " | " | " | " | |
| Beryllium | " | ND | ---- | 0.714 | " | " | " | " | " | |
| Cadmium | " | 1.97 | ---- | 0.714 | " | " | " | " | " | |
| Mercury | EPA 7471A | ND | ---- | 0.326 | " | " | 7D06053 | 04/06/07 16:24 | 04/09/07 13:36 | |
| Nickel | EPA 6020 | 8.29 | ---- | 0.714 | " | " | 7D06027 | 04/06/07 12:42 | 04/09/07 09:47 | |
| Selenium | " | ND | ---- | 0.714 | " | " | " | " | " | |
| Silver | " | 0.786 | ---- | 0.714 | " | " | " | " | " | |
| Thallium | " | ND | ---- | 0.714 | " | " | " | " | " | |
| BQD0033-01RE1 (Sample #1) | | | Other dry | | | | Sampled: 03/28/07 12:02 | | | |
| Chromium | EPA 6020 | 4880 | ---- | 71.4 | mg/kg wet | 100x | 7D06027 | 04/06/07 12:42 | 04/09/07 09:58 | |
| Copper | " | 2380 | ---- | 71.4 | " | " | " | " | " | |
| Lead | " | 86900 | ---- | 714 | " | 1000x | " | " | 04/09/07 23:01 | |
| Zinc | " | 6800 | ---- | 714 | " | 100x | " | " | 04/09/07 09:58 | |
| BQD0033-02 (Sample #2) | | | Other dry | | | | Sampled: 03/28/07 12:08 | | | |
| Antimony | EPA 6020 | ND | ---- | 2.27 | mg/kg wet | 1x | 7D06027 | 04/06/07 12:42 | 04/09/07 09:52 | |
| Arsenic | " | 5.41 | ---- | 0.758 | " | " | " | " | " | |
| Beryllium | " | ND | ---- | 0.758 | " | " | " | " | " | |
| Cadmium | " | 1.81 | ---- | 0.758 | " | " | " | " | " | |
| Mercury | EPA 7471A | ND | ---- | 0.288 | " | " | 7D06053 | 04/06/07 16:24 | 04/09/07 13:39 | |
| Nickel | EPA 6020 | 41.6 | ---- | 0.758 | " | " | 7D06027 | 04/06/07 12:42 | 04/09/07 09:52 | |
| Selenium | " | ND | ---- | 0.758 | " | " | " | " | " | |
| Silver | " | ND | ---- | 0.758 | " | " | " | " | " | |
| Thallium | " | ND | ---- | 0.758 | " | " | " | " | " | |
| BQD0033-02RE1 (Sample #2) | | | Other dry | | | | Sampled: 03/28/07 12:08 | | | |
| Chromium | EPA 6020 | 2630 | ---- | 75.8 | mg/kg wet | 100x | 7D06027 | 04/06/07 12:42 | 04/09/07 10:09 | |
| Copper | " | 2540 | ---- | 75.8 | " | " | " | " | " | |
| Zinc | " | 6290 | ---- | 758 | " | " | " | " | " | |

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| Alaska Railroad Corporation | Project Name: Seward Coal Facility | Report Created: |
| P.O. Box 107500 | Project Number: None provided | 04/12/07 15:34 |
| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | |

Total Metals by EPA 6000/7000 Series Methods
 TestAmerica - Seattle, WA

| Analyte | Method | Result | MDL* | MRL | Units | Dil | Batch | Prepared | Analyzed | Notes |
|-------------------------------|-----------|-------------|------------------|-------|-----------|------|--------------------------------|----------------|----------------|-------|
| BQD0033-03 (Sample #3) | | | | | | | | | | |
| | | | Other dry | | | | Sampled: 03/28/07 12:14 | | | |
| Antimony | EPA 6020 | ND | ---- | 152 | mg/kg wet | 100x | 7D06027 | 04/06/07 12:42 | 04/10/07 15:47 | RL1 |
| Arsenic | " | ND | ---- | 50.5 | " | " | " | " | 04/09/07 22:26 | RL1 |
| Beryllium | " | ND | ---- | 50.5 | " | " | " | " | " | RL1 |
| Cadmium | " | ND | ---- | 50.5 | " | " | " | " | " | RL1 |
| Chromium | " | 4560 | ---- | 50.5 | " | " | " | " | " | |
| Copper | " | 756 | ---- | 50.5 | " | " | " | " | " | |
| Mercury | EPA 7471A | ND | ---- | 0.100 | " | 1x | 7D06053 | 04/06/07 16:24 | 04/09/07 13:41 | |
| Nickel | EPA 6020 | ND | ---- | 50.5 | " | 100x | 7D06027 | 04/06/07 12:42 | 04/09/07 22:26 | RL1 |
| Selenium | " | ND | ---- | 50.5 | " | " | " | " | " | RL1 |
| Silver | " | ND | ---- | 50.5 | " | " | " | " | " | RL1 |
| Thallium | " | ND | ---- | 50.5 | " | " | " | " | " | RL1 |
| Zinc | " | 4890 | ---- | 505 | " | " | " | " | " | |

| | | | | | | | | | | |
|----------------------------------|----------|--------------|------------------|-----|-----------|-------|--------------------------------|----------------|----------------|--|
| BQD0033-03RE1 (Sample #3) | | | | | | | | | | |
| | | | Other dry | | | | Sampled: 03/28/07 12:14 | | | |
| Lead | EPA 6020 | 92400 | ---- | 505 | mg/kg wet | 1000x | 7D06027 | 04/06/07 12:42 | 04/10/07 08:35 | |

| | | | | | | | | | | |
|-------------------------------|-----------|-------------|------------------|--------|-----------|------|--------------------------------|----------------|----------------|-----|
| BQD0033-04 (Sample #4) | | | | | | | | | | |
| | | | Other dry | | | | Sampled: 03/28/07 12:21 | | | |
| Antimony | EPA 6020 | ND | ---- | 150 | mg/kg wet | 100x | 7D06027 | 04/06/07 12:42 | 04/10/07 15:53 | RL1 |
| Arsenic | " | ND | ---- | 50.0 | " | " | " | " | 04/09/07 22:38 | RL1 |
| Beryllium | " | ND | ---- | 50.0 | " | " | " | " | " | RL1 |
| Cadmium | " | ND | ---- | 50.0 | " | " | " | " | " | RL1 |
| Chromium | " | 2760 | ---- | 50.0 | " | " | " | " | " | |
| Copper | " | 2470 | ---- | 50.0 | " | " | " | " | " | |
| Mercury | EPA 7471A | ND | ---- | 0.0949 | " | 1x | 7D06053 | 04/06/07 16:24 | 04/09/07 13:44 | |
| Nickel | EPA 6020 | ND | ---- | 50.0 | " | 100x | 7D06027 | 04/06/07 12:42 | 04/09/07 22:38 | RL1 |
| Selenium | " | ND | ---- | 50.0 | " | " | " | " | " | RL1 |
| Silver | " | ND | ---- | 50.0 | " | " | " | " | " | RL1 |
| Thallium | " | ND | ---- | 50.0 | " | " | " | " | " | RL1 |
| Zinc | " | 6780 | ---- | 500 | " | " | " | " | " | |

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| P.O. Box 107500 | Project Number: None provided | 04/12/07 15:34 |
| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | |

Total Metals by EPA 6000/7000 Series Methods
TestAmerica - Seattle, WA

| Analyte | Method | Result | MDL* | MRL | Units | Dil | Batch | Prepared | Analyzed | Notes |
|----------------------------------|----------|------------------|------|-----|--------------------------------|-------|---------|----------------|----------------|-------|
| BQD0033-04RE1 (Sample #4) | | Other dry | | | Sampled: 03/28/07 12:21 | | | | | |
| Lead | EPA 6020 | 55400 | ---- | 500 | mg/kg wet | 1000x | 7D06027 | 04/06/07 12:42 | 04/10/07 08:53 | |

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| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | |

Conventional Chemistry Parameters by APHA/EPA Methods
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| Analyte | Method | Result | MDL* | MRL | Units | Dil | Batch | Prepared | Analyzed | Notes |
|-------------------------------|-----------|------------------|------|-----|-----------|--------------------------------|---------|----------------|----------------|-------|
| BQD0033-05 (Sample #5) | | Other dry | | | | Sampled: 03/28/07 12:26 | | | | |
| Hexavalent Chromium | EPA 7196A | ND | ---- | 1.2 | mg/kg wet | 1x | 7D10034 | 04/10/07 13:37 | 04/11/07 16:05 | |

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| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | |

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
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| | |
|--------------------------|---|
| QC Batch: 7D06027 | Soil Preparation Method: EPA 3050B |
|--------------------------|---|

| Analyte | Method | Result | MDL* | MRL | Units | Dil | Source Result | Spike Amt | % REC | (Limits) | % RPD | (Limits) | Analyzed | Notes |
|---------|--------|--------|------|-----|-------|-----|---------------|-----------|-------|----------|-------|----------|----------|-------|
|---------|--------|--------|------|-----|-------|-----|---------------|-----------|-------|----------|-------|----------|----------|-------|

Blank (7D06027-BLK1)

Extracted: 04/06/07 12:42

| | | | | | | | | | | | | | | |
|-----------|----------|----|-----|-------|-----------|----|----|----|----|----|----|----|----------------|--|
| Beryllium | EPA 6020 | ND | --- | 0.500 | mg/kg wet | 1x | -- | -- | -- | -- | -- | -- | 04/09/07 08:53 | |
| Lead | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Arsenic | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Cadmium | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Chromium | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Thallium | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Zinc | " | ND | --- | 5.00 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Copper | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Nickel | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |
| Antimony | " | ND | --- | 1.50 | " | " | -- | -- | -- | -- | -- | -- | 04/09/07 11:03 | |
| Selenium | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | 04/09/07 08:53 | |
| Silver | " | ND | --- | 0.500 | " | " | -- | -- | -- | -- | -- | -- | " | |

LCS (7D06027-BS1)

Extracted: 04/06/07 12:42

| | | | | | | | | | | | | | | |
|-----------|----------|------|-----|-------|-----------|----|----|------|------|----------|----|----|----------------|--|
| Copper | EPA 6020 | 44.1 | --- | 0.500 | mg/kg wet | 1x | -- | 40.0 | 110% | (80-120) | -- | -- | 04/09/07 08:59 | |
| Chromium | " | 41.9 | --- | 0.500 | " | " | -- | " | 105% | " | -- | -- | " | |
| Cadmium | " | 43.6 | --- | 0.500 | " | " | -- | " | 109% | " | -- | -- | " | |
| Beryllium | " | 42.6 | --- | 0.500 | " | " | -- | " | 106% | " | -- | -- | " | |
| Arsenic | " | 42.6 | --- | 0.500 | " | " | -- | " | 106% | " | -- | -- | " | |
| Selenium | " | 41.1 | --- | 0.500 | " | " | -- | " | 103% | " | -- | -- | " | |
| Silver | " | 43.5 | --- | 0.500 | " | " | -- | " | 109% | " | -- | -- | " | |
| Nickel | " | 43.3 | --- | 0.500 | " | " | -- | " | 108% | " | -- | -- | " | |
| Antimony | " | 34.0 | --- | 1.50 | " | " | -- | 30.0 | 113% | " | -- | -- | 04/09/07 11:09 | |
| Lead | " | 42.5 | --- | 0.500 | " | " | -- | 40.0 | 106% | " | -- | -- | 04/09/07 08:59 | |
| Zinc | " | 43.8 | --- | 5.00 | " | " | -- | " | 110% | " | -- | -- | " | |
| Thallium | " | 40.6 | --- | 0.500 | " | " | -- | " | 102% | " | -- | -- | " | |

Duplicate (7D06027-DUP1)

QC Source: BQD0072-01

Extracted: 04/06/07 12:42

| | | | | | | | | | | | | | | |
|-----------|----------|-------|-----|-------|-----------|----|-------|----|----|----|------------|---|----------------|----|
| Antimony | EPA 6020 | ND | --- | 1.81 | mg/kg dry | 1x | ND | -- | -- | -- | NR (30) | | 04/09/07 11:21 | |
| Selenium | " | ND | --- | 0.604 | " | " | ND | -- | -- | -- | NR | " | 04/09/07 09:17 | R4 |
| Nickel | " | 13.7 | --- | 0.604 | " | " | 11.9 | -- | -- | -- | 14.1% | " | " | |
| Copper | " | 26.1 | --- | 0.604 | " | " | 26.4 | -- | -- | -- | 1.14% | " | " | |
| Chromium | " | 14.4 | --- | 0.604 | " | " | 14.2 | -- | -- | -- | 1.40% | " | " | |
| Cadmium | " | 0.774 | --- | 0.604 | " | " | 0.789 | -- | -- | -- | 1.92% | " | " | |
| Lead | " | 48.5 | --- | 0.604 | " | " | 43.1 | -- | -- | -- | 11.8% | " | " | |
| Silver | " | ND | --- | 0.604 | " | " | ND | -- | -- | -- | 20.4% (50) | " | " | R4 |
| Beryllium | " | ND | --- | 0.604 | " | " | ND | -- | -- | -- | 2.99% (30) | " | " | R4 |
| Thallium | " | ND | --- | 0.604 | " | " | ND | -- | -- | -- | NR | " | " | R4 |
| Arsenic | " | 2.36 | --- | 0.604 | " | " | 2.04 | -- | -- | -- | 14.5% | " | " | |

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| | | |
|------------------------------------|---|-----------------|
| Alaska Railroad Corporation | Project Name: Seward Coal Facility | Report Created: |
| P.O. Box 107500 | Project Number: None provided | 04/12/07 15:34 |
| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | |

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

| | |
|--------------------------|---|
| QC Batch: 7D06027 | Soil Preparation Method: EPA 3050B |
|--------------------------|---|

| Analyte | Method | Result | MDL* | MRL | Units | Dil | Source Result | Spike Amt | % REC | (Limits) | % RPD | (Limits) | Analyzed | Notes |
|-----------------------------------|----------|--------------------------|------|-------|-----------|---------------------------|---------------|-----------|-------|----------|-------------|----------|----------------|-------|
| Duplicate (7D06027-DUP2) | | QC Source: BQD0072-01RE1 | | | | Extracted: 04/06/07 12:42 | | | | | | | | |
| Zinc | EPA 6020 | 376 | --- | 30.2 | mg/kg dry | 5x | 377 | -- | -- | -- | 0.266% (30) | | 04/09/07 10:33 | |
| Matrix Spike (7D06027-MS1) | | QC Source: BQD0072-01 | | | | Extracted: 04/06/07 12:42 | | | | | | | | |
| Selenium | EPA 6020 | 50.0 | --- | 0.665 | mg/kg dry | 1x | 0.254 | 53.2 | 93.5% | (61-120) | -- | -- | 04/09/07 09:11 | |
| Cadmium | " | 56.2 | --- | 0.665 | " | " | 0.789 | " | 104% | (80-120) | -- | -- | " | |
| Chromium | " | 68.7 | --- | 0.665 | " | " | 14.2 | " | 102% | (30-163) | -- | -- | " | |
| Thallium | " | 49.5 | --- | 0.665 | " | " | ND | " | 93.0% | (75-120) | -- | -- | " | |
| Arsenic | " | 52.1 | --- | 0.665 | " | " | 2.04 | " | 94.1% | (57-125) | -- | -- | " | |
| Silver | " | 52.4 | --- | 0.665 | " | " | 0.202 | " | 98.1% | (54-126) | -- | -- | " | |
| Antimony | " | 2.79 | --- | 2.00 | " | " | ND | 39.9 | 6.99% | (10-120) | -- | -- | 04/09/07 11:15 | M2 |
| Beryllium | " | 54.5 | --- | 0.665 | " | " | 0.528 | 53.2 | 101% | (72-122) | -- | -- | 04/09/07 09:11 | |
| Copper | " | 81.7 | --- | 0.665 | " | " | 26.4 | " | 104% | (20-148) | -- | -- | " | |
| Lead | " | 94.2 | --- | 0.665 | " | " | 43.1 | " | 96.1% | (29-166) | -- | -- | " | |
| Nickel | " | 66.7 | --- | 0.665 | " | " | 11.9 | " | 103% | (35-150) | -- | -- | " | |
| Matrix Spike (7D06027-MS2) | | QC Source: BQD0072-01RE1 | | | | Extracted: 04/06/07 12:42 | | | | | | | | |
| Zinc | EPA 6020 | 444 | --- | 33.3 | mg/kg dry | 5x | 377 | 53.2 | 126% | (20-160) | -- | -- | 04/09/07 10:27 | |
| Post Spike (7D06027-PS1) | | QC Source: BQD0072-01 | | | | Extracted: 04/06/07 12:42 | | | | | | | | |
| Chromium | EPA 6020 | 0.217 | --- | | ug/ml | 1x | 0.0218 | 0.201 | 97.1% | (75-125) | -- | -- | 04/09/07 09:05 | |
| Copper | " | 0.242 | --- | | " | " | 0.0404 | 0.202 | 99.8% | " | -- | -- | " | |
| Nickel | " | 0.211 | --- | | " | " | 0.0182 | 0.199 | 96.9% | " | -- | -- | " | |
| Arsenic | " | 0.212 | --- | | " | " | 0.00313 | 0.200 | 104% | " | -- | -- | " | |
| Beryllium | " | 0.197 | --- | | " | " | 0.000810 | " | 98.1% | " | -- | -- | " | |
| Cadmium | " | 0.201 | --- | | " | " | 0.00121 | " | 99.9% | " | -- | -- | " | |
| Selenium | " | 0.191 | --- | | " | " | 0.000390 | " | 95.3% | " | -- | -- | " | |
| Thallium | " | 0.180 | --- | | " | " | 0.000160 | 0.201 | 89.5% | " | -- | -- | " | |
| Lead | " | 0.248 | --- | | " | " | 0.0662 | 0.199 | 91.4% | " | -- | -- | " | |
| Silver | " | 0.194 | --- | | " | " | 0.000310 | 0.200 | 96.8% | " | -- | -- | " | |
| Post Spike (7D06027-PS2) | | QC Source: BQD0072-01RE1 | | | | Extracted: 04/06/07 12:42 | | | | | | | | |
| Antimony | EPA 6020 | 0.103 | --- | | ug/ml | 5x | 0.0000300 | 0.100 | 103% | (75-125) | -- | -- | 04/09/07 10:21 | |
| Zinc | " | 0.777 | --- | | " | " | 0.578 | 0.199 | 100% | " | -- | -- | " | |

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| Alaska Railroad Corporation | Project Name: Seward Coal Facility | |
| P.O. Box 107500 | Project Number: None provided | Report Created: |
| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | 04/12/07 15:34 |

Total Metals by EPA 6000/7000 Series Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7D06053 Soil Preparation Method: EPA 7471A

| Analyte | Method | Result | MDL* | MRL | Units | Dil | Source Result | Spike Amt | % REC | (Limits) | % RPD | (Limits) | Analyzed | Notes |
|-----------------------------------|-----------|---------|------|-------|-----------|-----|---------------|---------------------------|-------|---------------------------|------------|----------|----------------|-------|
| Blank (7D06053-BLK1) | | | | | | | | Extracted: 04/06/07 16:24 | | | | | | |
| Mercury | EPA 7471A | ND | --- | 0.100 | mg/kg wet | 1x | -- | -- | -- | -- | -- | -- | 04/09/07 11:44 | |
| LCS (7D06053-BS1) | | | | | | | | Extracted: 04/06/07 16:24 | | | | | | |
| Mercury | EPA 7471A | 0.00487 | --- | | mg/kg wet | 1x | -- | 0.00500 | 97.4% | (80-120) | -- | -- | 04/09/07 11:47 | |
| LCS Dup (7D06053-BSD1) | | | | | | | | Extracted: 04/06/07 16:24 | | | | | | |
| Mercury | EPA 7471A | 0.00494 | --- | | mg/kg wet | 1x | -- | 0.00500 | 98.8% | (80-120) | 1.43% (20) | | 04/09/07 11:49 | |
| Duplicate (7D06053-DUP1) | | | | | | | | QC Source: BQC0719-05 | | Extracted: 04/06/07 16:24 | | | | |
| Mercury | EPA 7471A | ND | --- | 0.116 | mg/kg dry | 1x | ND | -- | -- | -- | 9.29% (30) | | 04/09/07 12:43 | R4 |
| Matrix Spike (7D06053-MS1) | | | | | | | | QC Source: BQC0719-05 | | Extracted: 04/06/07 16:24 | | | | |
| Mercury | EPA 7471A | 0.00548 | --- | | mg/kg dry | 1x | 0.000199 | 0.00500 | 106% | (70-130) | -- | -- | 04/09/07 11:52 | |

TestAmerica - Seattle, WA

Sandra Yakamavich

Sandra Yakamavich, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report shall not be reproduced except in full, without the written approval of the laboratory.



| | | |
|------------------------------------|---|-----------------|
| Alaska Railroad Corporation | Project Name: Seward Coal Facility | |
| P.O. Box 107500 | Project Number: None provided | Report Created: |
| Anchorage, AK 99510 | Project Manager: Matt Kelzenberg | 04/12/07 15:34 |

Conventional Chemistry Parameters by APHA/EPA Methods - Laboratory Quality Control Results
 TestAmerica - Seattle, WA

QC Batch: 7D10034 Soil Preparation Method: Special Procedure

| Analyte | Method | Result | MDL* | MRL | Units | Dil | Source Result | Spike Amt | % REC | (Limits) | % RPD | (Limits) | Analyzed | Notes |
|-----------------------------------|-----------|--------|------|-----------------------|-----------|-----|---------------|---------------------------|-------|----------|------------|----------|----------------|-------|
| Blank (7D10034-BLK1) | | | | | | | | Extracted: 04/10/07 13:37 | | | | | | |
| Hexavalent Chromium | EPA 7196A | ND | --- | 1.0 | mg/kg wet | 1x | -- | -- | -- | -- | -- | -- | 04/11/07 16:05 | |
| LCS (7D10034-BS1) | | | | | | | | Extracted: 04/10/07 13:37 | | | | | | |
| Hexavalent Chromium | EPA 7196A | 21 | --- | 1.0 | mg/kg wet | 1x | -- | 25.0 | 84.0% | (80-120) | -- | -- | 04/11/07 16:05 | |
| Duplicate (7D10034-DUP1) | | | | QC Source: BQD0137-01 | | | | Extracted: 04/10/07 13:37 | | | | | | |
| Hexavalent Chromium | EPA 7196A | ND | --- | 1.1 | mg/kg dry | 1x | ND | -- | -- | -- | 25.0% (30) | -- | 04/11/07 16:05 | R4 |
| Matrix Spike (7D10034-MS1) | | | | QC Source: BQD0137-01 | | | | Extracted: 04/10/07 13:37 | | | | | | |
| Hexavalent Chromium | EPA 7196A | 22 | --- | 1.1 | mg/kg dry | 1x | 0.7 | 27.5 | 77.5% | (75-125) | -- | -- | 04/11/07 16:05 | |

TestAmerica - Seattle, WA

Sandra Yakamavich

Sandra Yakamavich, Project Manager

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Alaska Railroad Corporation

P.O. Box 107500
Anchorage, AK 99510

Project Name: **Seward Coal Facility**
Project Number: None provided
Project Manager: Matt Kelzenberg

Report Created:
04/12/07 15:34

Notes and Definitions

Report Specific Notes:

- M2 - The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- R4 - Due to the low levels of analyte in the sample, the duplicate RPD calculation does not provide useful information.
- RL1 - Reporting limit raised due to sample matrix effects.

Laboratory Reporting Conventions:

- DET - Analyte DETECTED at or above the Reporting Limit. Qualitative Analyses only.
- ND - Analyte NOT DETECTED at or above the reporting limit (MDL or MRL, as appropriate).
- NR/NA - Not Reported / Not Available
- dry - Sample results reported on a Dry Weight Basis. Results and Reporting Limits have been corrected for Percent Dry Weight.
- wet - Sample results and reporting limits reported on a Wet Weight Basis (as received). Results with neither 'wet' nor 'dry' are reported on a Wet Weight Basis.
- RPD - RELATIVE PERCENT DIFFERENCE (RPDs calculated using Results, not Percent Recoveries).
- MRL - METHOD REPORTING LIMIT. Reporting Level at, or above, the lowest level standard of the Calibration Table.
- MDL* - METHOD DETECTION LIMIT. Reporting Level at, or above, the statistically derived limit based on 40CFR, Part 136, Appendix B. *MDLs are listed on the report only if the data has been evaluated below the MRL. Results between the MDL and MRL are reported as Estimated Results.
- Dil - Dilutions are calculated based on deviations from the standard dilution performed for an analysis, and may not represent the dilution found on the analytical raw data.
- Reporting Limits - Reporting limits (MDLs and MRLs) are adjusted based on variations in sample preparation amounts, analytical dilutions and percent solids, where applicable.
- Electronic Signature - Electronic Signature added in accordance with TestAmerica's *Electronic Reporting and Electronic Signatures Policy*. Application of electronic signature indicates that the report has been reviewed and approved for release by the laboratory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Sandra Yakamavich

