

# Analytical Services, Inc.

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## CHEMICAL ANALYSIS REPORT

**CUSTOMER:** Minard Run Oil Company  
609 South Avenue  
Bradford, PA 16701  
Attn: Jon Stark

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**SAMPLE DATE:** 02/23/12 at 9:00 am  
**RECEIPT DATE:** 02/23/12 at 4:00 pm

**ASI ID:** 109449  
**REPORT DATE:** 03/07/12

**SAMPLE DESCRIPTION:** Combined Discharge

### TOTAL ANALYSIS RESULTS:

| TEST        | RESULT           | UNIT  | METHOD | MATRIX | DF | LOQ | BY | DATE     |
|-------------|------------------|-------|--------|--------|----|-----|----|----------|
| Uranium     | U                | µg/L  | 200.8  | L      | 1  | 1   | CM | 02/28/12 |
| Gross Alpha | U +/- 368.2      | pCi/L | 900.0  | L      | 1  | 3   | CM | 03/01/12 |
| Radium-226  | 55.29 +/- 5.47   | pCi/L | 903.0  | L      | 1  | 1   | MO | 03/05/12 |
| Radium-228  | 124.66 +/- 13.26 | pCi/L | 904.0  | L      | 1  | 1   | MO | 03/05/12 |

Above Analysis Performed By Summit Environmental Technologies, NELAP Accreditation #: E87688

DF = Dilution Factor

U = Undetected

LOQ = Laboratory Reporting Limit (not adjusted for dilution factor)

L = Liquid

ND = Not Detected

| PARAMETER | RESULT | UNIT | METHOD | BY | DATE/TIME          |
|-----------|--------|------|--------|----|--------------------|
| Bromide   | 644    | mg/L | 300.0  | BB | 02/29/12 @ 5:06 pm |

We certify that the above reported values were obtained by use of procedures appropriate for the sample as submitted.

**Reviewed and Approved By:** William Sabatose **Date:** 03/07/12

**For:** William J. Sabatose, Chief Chemical Analyst