

Analytical Services, Inc.

P.O. Box 237

Brockway, PA 15824-0237

CHEMICAL ANALYSIS REPORT

Laboratory (814) 265-8749

FAX (814) 265-8749

CUSTOMER: Minard Run Oil Company

609 South Avenue
Bradford, PA 16701

Attn: Jon Stark

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SAMPLE DATE: 10/06/11 at 8:45 am

RECEIPT DATE: 10/06/11 at 3:45 pm

ASI ID: 106711

REPORT DATE: 11/15/11

SAMPLE DESCRIPTION: Combined Discharge

TOTAL ANALYSIS RESULTS:

TEST	RESULT	UNCERT.	MDA	UNITS	METHOD	BY	DATE/TIME
Gross Alpha	1319	±398.3	797.20	pCi/L	EPA 900.0	BPS-CV	10/11/11 @ 8:45 am, ended 10/16/11
Radium-226	155.0	±11.74	31.87	pCi/L	EPA 904.0	BH-CV	10/28/11 @ 10:00 am, ended 11/13/11
Radium-228	99.89	±29.56	32.50	pCi/L	EPA 903.0	NLB-CV	10/11/11 @ 2:00 pm, ended 10/18/11
Uranium	<10.50			µG/L	EPA 200.8	JRA-CV	10/17/11 @ 11:35 am, ended 10/20/11
Uranium	<7.14			pCi/L	EPA 200.8	JRA-CV	10/17/11 @ 11:35 am, ended 10/20/11

Above Analysis Performed By Benchmark Analytics Lab #39-00401

PARAMETER	RESULT	UNIT	METHOD	BY	DATE/TIME
Bromide	606	mg/L	300.0	BB	10/07/11 @ 2:42 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 J. Sabatose **Date:** 11/15/11

For: William J. Sabatose, Chief Chemical Analyst

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609 South Avenue

Bradford, PA 16701

Attn: Jon Stark

SAMPLE DATE: 11/02-11/03/11 at 9 am - 9 am

ASI ID: 107392

RECEIPT DATE: 11/03/11 at 3:45 pm

REPORT DATE: 11/16/11

SAMPLE DESCRIPTION: Combined Discharge

TOTAL ANALYSIS RESULTS:

TEST	RESULT	UNIT	METHOD	MATRIX	LOQ	BY	DATE
Gross Alpha	U +/- 561.46	pCi/L	900.0	L	1	MO	11/11/11
Radium-226	3.36 +/- 0.36	pCi/L	903.0	L	1	MO	11/15/11
Radium-228	9.73 +/- 0.83	pCi/L	904.0	L	3	MO	11/14/11
Uranium	ND	µg/L	200.8	L	1	CM	11/09/11

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

ND = Not Detected

U = Undetected

PARAMETER	RESULT	UNIT	METHOD	BY	DATE/TIME
Bromide	622	mg/L	300.0	CH	11/07/11 @ 11:11 pm

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

Reviewed and Approved By:  Date: 11/16/11

For: William J. Sabatose, Chief Chemical Analyst

Analytical Services, Inc.

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Brockway, PA 15824-0237

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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: 11/19-11/20/11 at 9 am - 9 am
RECEIPT DATE: 11/20/11 at 3:30 pm

ASI ID: 107064
REPORT DATE: 11/18/11

SAMPLE DESCRIPTION: Combined Discharge

TOTAL ANALYSIS RESULTS:

TEST	RESULT	UNCERT.	MDA	UNIT	METHOD	BY	DATE & TIME
Gross Alpha	96.85	±285.9	1262.00	pCi/L	900.0	BPS-CV	10/27/11 @ 8:50 am, ended 11/02/11
Radium-228	72.28	±12.74	8.64	pCi/L	904.0	MJS-CV	10/26/11 @ 6:10 pm, ended 11/04/11
Radium-226	154.9	±10.93	24.04	pCi/L	903.0	BH-CV	11/05/11 @ 10:00 am, ended 11/17/11
Uranium	<10.50			µG/L	200.8	JRA-CV	10/28/11 @ 1:50 pm, ended 11/04/11
Uranium	<7.14			pCi/L	200.8	JRA-CV	10/28/11 @ 1:50 pm, ended 11/04/11

Above Analysis Performed By Benchmark Analytics, Inc., Lab ID#: 39-00401*CV

PARAMETER	RESULT	UNIT	METHOD	BY	DATE/TIME
Bromide	637	mg/L	300.0	BB	10/21/11 @ 10:58 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 J. Sabatose **Date:** 11/16/11

For: William J. Sabatose, Chief Chemical Analyst