

Enviro-Test Laboratories

A Division of ETL Chemspec Analytical Limited

INDUSTRIAL HYGIENE DIVISION

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FACSIMILE COVER PAGE

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Violeta Lau-a

Company:

Royal Oak Mines

Location:

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Date:

4/2/97

Number of Pages: (including cover pages)

7

Sender:

Larry Seuh

Message:

Sorry about the delay
Larry

IF YOU REQUIRE RESULTS COURIERED IMMEDIATELY, CHECK ☒ AND RETURN BY FAX

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WILL BE BILLED DIRECTLY AT COST.

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Appendix A Test Methodologies**Fibers/Filter****METHODOLOGY:**

NIOSH 7400, A rules

For results over 48,000 fibres/filter, results reported is within 51-213% of reported value at 90% confidence. This range will increase with lower fibre loadings. NIOSH, 4th. ed. recommends that due to high inaccuracies at lower values that the minimum level reported be increased to 39000 fibres/25 mm filter (78.5 fibres counted in 100 fields). Results in this report are reported to a minimum detection limit of 10000 fibre/25 mm filter (20 fibres per 100 fields) but these results should be used with caution.

THIS IS THE LAST PAGE OF THE METHODOLOGY APPENDIX.

CHEMICAL ANALYSIS REPORT

ROYAL OAK MINES INC
PO BAG 3000
YELLOWKNIFE NT X1A 2M2

DATE: April 2, 1997

ATTN: VIOLETA LAU A

Lab Work Order #: E703313

Sampled By: CLIENT

Project Reference: NOT SUBMITTED


Date Received: 03/13/97

Project P.O.#: NOT SUBMITTED

Comments:

Result for E703313-03A not available due to heavy non-fibrous particulate interference. Lighter interference on samples E703313-04A, 07A and 08A may cause under-estimation of results.

APPROVED BY:


Project Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY. ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

ACCREDITATIONS: STANDARDS COUNCIL OF CANADA (SCC), IN COOPERATION WITH THE CANADIAN ASSOCIATION FOR ENVIRONMENTAL ANALYTICAL LABORATORIES (CAEAL); FOR SPECIFIC TESTS AS REGISTERED BY THE COUNCIL (EDMONTON, CALGARY)
AMERICAN INDUSTRIAL HYGIENE ASSOCIATION (AIHA); FOR INDUSTRIAL HYGIENE ANALYSIS (EDMONTON)
AGRICULTURE CANADA: UNDER THE CANADIAN FERTILIZER QUALITY ASSURANCE PROGRAM (SASKATOON)

8732980

CHEMICAL ANALYSIS REPORT

ROYAL OAK MINES INC
PO BAG 3000
YELLOWKNIFE NT X1A 2M2

DATE: April 2, 1997

ATTN: VIOLETA LAU-A

Lab Work Order #: E703090

Sampled By: YI LAU-A

Project Reference: NOT SUBMITTED

Date Received: 03/05/97

Project P.O.#: NOT SUBMITTED

Comments:

Results for E703090-01A, 04A and 14A not available due to heavy non-fibrous particulate interference. Lighter interference on samples E703090-07A, 10A, 13A and 16A may cause under-estimation of results.

APPROVED BY:


Project Manager

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E703090 Cont...
PAGE 2**ENVIRO-TEST CHEMICAL ANALYSIS REPORT**

TEST: Fibers/Filter

METHOD:NIOSH 7400A

SAMPLE DESCRIPTION	LAB-ID	RESULT <i>Fibers</i>	D.L.
1-P	E703090-01	NA	10000
2-C	E703090-02	ND	10000
3-R	E703090-03	ND	10000
4-P	E703090-04	NA	10000
5-R	E703090-05	ND	10000
6-C	E703090-06	ND	10000
7-P	E703090-07	ND	10000
8-R	E703090-08	ND	10000
9-C	E703090-09	ND	10000
10-P	E703090-10	ND	10000
11-C	E703090-11	ND	10000
12-R	E703090-12	ND	10000
13-P	E703090-13	ND	10000
14-C	E703090-14	NA	10000
15-R	E703090-15	ND	10000
16-P	E703090-16	ND	10000
17-R	E703090-17	ND	10000
18-C	E703090-18	ND	10000

THIS IS THE LAST PAGE OF THE REPORT EXCLUDING APPENDICES

E703313 Cont...
PAGE 2**ENVIRO-TEST CHEMICAL ANALYSIS REPORT****TEST: Fibers/Filter****METHOD:NIOSH 7400A**

SAMPLE DESCRIPTION	LAB-ID	RESULT <i>Fibers</i>	D.L.
SAMPLE #19 PERSONAL	E703313-01	ND	10000
SAMPLE #20 ROASTER	E703313-02	ND	10000
SAMPLE #21 COTTRELL	E703313-03	NA	10000
SAMPLE #22 PERSONAL	E703313-04	ND	10000
SAMPLE #23 ROASTER	E703313-05	ND	10000
SAMPLE #24 BAGHOUSE	E703313-06	ND	10000
SAMPLE #25 PERSONAL	E703313-07	ND	10000
SAMPLE #26 ROASTER	E703313-08	ND	10000
SAMPLE #27 CARBON PLANT	E703313-09	ND	10000

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E703090 Cont...
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4-P	E703090-04	NA	10000
5-R	E703090-05	ND	10000
6-C	E703090-06	ND	10000
7-P	E703090-07	ND	10000
8-R	E703090-08	ND	10000
9-C	E703090-09	ND	10000
10-P	E703090-10	ND	10000
11-C	E703090-11	ND	10000
12-R	E703090-12	ND	10000
13-P	E703090-13	ND	10000
14-C	E703090-14	NA	10000
15-R	E703090-15	ND	10000
16-P	E703090-16	ND	10000
17-R	E703090-17	ND	10000
18-C	E703090-18	ND	10000

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SAMPLE #24 BAGHOUSE	E703313-06	ND	10000
SAMPLE #25 PERSONAL	E703313-07	ND	10000
SAMPLE #26 ROASTER	E703313-08	ND	10000
SAMPLE #27 CARBON PLANT	E703313-09	ND	10000

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