



Taiga Environmental Laboratory
4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
160612

- FINAL REPORT -

Prepared For: Department of Transportation

Address: P.O. Box 1320
Yellowknife, NT
X1A 2L9

Attn: Jon Posynick

Facsimile:

Final report has been reviewed and approved by:

Glen Hudy
Quality Assurance Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate: Friday, July 22, 2016

Print Date: *Friday, July 22, 2016*

Page 1 of 5



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Taiga Batch No.:
160612

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **James Creek Main**

Taiga Sample ID: **001**

Client Project:

Sample Type: Water

Received Date: 18-Jul-16

Sampling Date: 14-Jul-16

Sampling Time:

Location: James Creek

Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifer |
|---------------------------------|--------|-----------------|-------|---------------|---------------------|----------|
| Organics | | | | | | |
| Benzene | | 0.005 | mg/L | | EPA8260B | 111 |
| Ethylbenzene | | 0.005 | mg/L | | EPA8260B | 111 |
| F2: C10-C16 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| F3: C16-C34 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| F4: C34-C50 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| Hexane Extractable Material | < 2.0 | 2.0 | mg/L | 19-Jul-16 | EPA1664A | |
| Hydrocarbons, Total Extractable | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| Hydrocarbons, Total Purgeable | | 0.3 | mg/L | | EPA8015 | 111 |
| Toluene | | 0.005 | mg/L | | EPA8260B | 111 |
| Xylenes | | 0.005 | mg/L | | EPA8260B | 111 |

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Page 2 of 5



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Taiga Batch No.:
160612

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **James Creek Upstream**

Taiga Sample ID: **002**

Client Project:

Sample Type: Water

Received Date: 18-Jul-16

Sampling Date: 14-Jul-16

Sampling Time:

Location: James Creek

Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifer |
|---------------------------------|--------|-----------------|-------|---------------|---------------------|----------|
| Organics | | | | | | |
| Benzene | | 0.005 | mg/L | | EPA8260B | 111 |
| Ethylbenzene | | 0.005 | mg/L | | EPA8260B | 111 |
| F2: C10-C16 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| F3: C16-C34 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| F4: C34-C50 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| Hexane Extractable Material | < 2.0 | 2.0 | mg/L | 19-Jul-16 | EPA1664A | |
| Hydrocarbons, Total Extractable | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| Hydrocarbons, Total Purgeable | | 0.3 | mg/L | | EPA8015 | 111 |
| Toluene | | 0.005 | mg/L | | EPA8260B | 111 |
| Xylenes | | 0.005 | mg/L | | EPA8260B | 111 |

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Taiga Batch No.:

160612

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **James Creek Downstream**

Taiga Sample ID: **003**

Client Project:

Sample Type: Water

Received Date: 18-Jul-16

Sampling Date: 14-Jul-16

Sampling Time:

Location: James Creek

Report Status: Final

| Test Parameter | Result | Detection Limit | Units | Analysis Date | Analytical Method * | Qualifer |
|---------------------------------|--------|-----------------|-------|---------------|---------------------|----------|
| Organics | | | | | | |
| Benzene | | 0.005 | mg/L | | EPA8260B | 111 |
| Ethylbenzene | | 0.005 | mg/L | | EPA8260B | 111 |
| F2: C10-C16 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| F3: C16-C34 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| F4: C34-C50 | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| Hexane Extractable Material | < 2.0 | 2.0 | mg/L | 19-Jul-16 | EPA1664A | |
| Hydrocarbons, Total Extractable | < 0.2 | 0.2 | mg/L | 21-Jul-16 | EPA8015B | |
| Hydrocarbons, Total Purgeable | | 0.3 | mg/L | | EPA8015 | 111 |
| Toluene | | 0.005 | mg/L | | EPA8260B | 111 |
| Xylenes | | 0.005 | mg/L | | EPA8260B | 111 |

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **James Creek Downstream**

Taiga Sample ID: **003**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

111 *Vial contained air bubble, analysis not possible*

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

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Page 5 of 5

