Unit# 288, 2880 45 Ave S.E.
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KaizenLAB

# ANALYTICAL REPORT

**Client:** Sheep River Regional Corp.
Box 5605
High River, AB. T1V 1M7

**Care of:** Foothills County
**Attention:** Cory Lyons

| | |
|---|---|
| **KaizenLAB JOB #:** | **333516** |
| **DATE RECEIVED:** | 13-Sep-2023 |
| **DATE REPORTED:** | 19-Sep-2023 |
| **PROJECT ID:** | PKG 1 Sched 3+4, HAA, THM SRRUC Water to Distro |
| **LOCATION:** | |

**KaizenLAB Sample #:** 333516_001 **Sample ID:** SRRUC Enter Distro
**Date Sampled:** 13-Sep-2023 8:00 **Matrix:** Water

| Parameter Description | Units | Result | Detection Limit |
|---|---|---|---|
| **CCME Petroleum Hydrocarbons in water: BTEX/F1-F2** | | | |
| **BTEX in Water** | | | |
| Benzene | mg/L | <0.001 | 0.001 |
| Toluene | mg/L | <0.0005 | 0.0005 |
| Ethylbenzene | mg/L | <0.001 | 0.001 |
| Total Xylenes | mg/L | <0.003 | 0.003 |
| F1 | mg/L | <0.05 | 0.05 |
| **Extractable Hydrocarbons in Water** | | | |
| F2 | mg/L | <0.10 | 0.10 |
| F3 | mg/L | <1.0 | 1.0 |
| F4 | mg/L | <1.0 | 1.0 |
| **Polycyclic Aromatic Hydrocarbons (PAH) in water** | | | |
| Naphthalene | mg/L | <0.000004 | 0.000004 |
| Acenaphthylene | mg/L | <0.000004 | 0.000004 |
| Acenaphthene | mg/L | <0.000004 | 0.000004 |
| Phenanthrene | mg/L | <0.000004 | 0.000004 |
| Anthracene | mg/L | <0.000004 | 0.000004 |
| Fluoranthene | mg/L | <0.000004 | 0.000004 |
| Pyrene | mg/L | <0.000004 | 0.000004 |
| Benzo(a)anthracene | mg/L | <0.000004 | 0.000004 |
| Chrysene | mg/L | <0.000004 | 0.000004 |
| Benzo(b,j)fluoranthene | mg/L | <0.000004 | 0.000004 |
| Benzo(k)fluoranthene | mg/L | <0.000004 | 0.000004 |
| Benzo(a)pyrene | mg/L | <0.000004 | 0.000004 |
| Indeno(1,2,3-c,d)pyrene | mg/L | <0.000004 | 0.000004 |
| Dibenzo(a,h)anthracene | mg/L | <0.000004 | 0.000004 |
| Benzo(g,h,i)perylene | mg/L | <0.000004 | 0.000004 |

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**KaizenLAB Sample #:** 333516_001 **Sample ID:** SRRUC Enter Distro

**Date Sampled:** 13-Sep-2023 8:00 **Matrix:** Water

| Parameter Description | Units | Result | Detection Limit |
|---|---|---|---|
| Fluorene | mg/L | <0.000004 | 0.000004 |
| Benzo(a)Pyrene Total Potency Equivalents | mg/L | <0.000010 | 0.000010 |

**Test Methodologies**

BTEX in Water: Modified from EPA 8260D, EPA 5030C/EPA 5021A

Extractable Hydrocarbons in Water: Modified from EPA 8015D and EPA 3520C

Polycyclic Aromatic Hydrocarbons in Water: Modified from EPA 8270E and Royal Society of Chemistry (L-L Micro-extraction)

Volatile Hydrocarbons in Water: Modified from EPA 8015D, EPA 5030C/EPA 5021A

**Final Review by:**

Carleen Scott
Client Services Supervisor

Note: The results in this report relate only to the items tested and as received. Information is available for any items in 7.8.2.1 of ISO/IEC 17025:2017 that cannot be put on a test report. The report shall not be reproduced except in full without written approval of KaizenLAB. The validity of results may be affected if the information is provided by the customer.
Test methodologies are accredited in accordance with ISO/IEC 17025 via CALA, unless otherwise specified in the description of the methods.