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Report Transmission Cover Page

Bill To: J. Gibson & Associates Project:

Lot ID: 1114472

Report To: J. Gibson & Associates

Rock Haven Res.

C0049858
Jan 4, 2016

Box 20913

Rock Haven Res. Control Number: Klaza Date Received:

Whitehorse, YT, Canada Y1A 6P2

Date Reported: Jan 7, 2016

Attn: John Gibson

LSD: P.O.:

Report Number: 2072629

Sampled By: J.Gibson

Acct code:

ID:

Name:

Location:

Company:

| Contact & Affiliation | Address | Delivery Commitments |
|------------------------|--|---|
| John Gibson | Box 20913, | On [Lot Verification] send |
| J. Gibson & Associates | Whitehorse, Yukon Territory Y1A 6P2 | (COA) by Email - Single Report |
| | Phone: (867) 633-4522 Fax: (867) 668-6895 | On [Report Approval] send |
| | Email: ludditegibson@gmail.com | (COC, Test Report) by Email - Merge Reports |
| | | On [Report Approval] send |
| | | (Test Report) by Email - Single Report |
| | | On [Lot Approval and Final Test Report Approval] send |
| | | (Invoice) by Email - Single Report |
| | | On [Lot Creation] send |
| | | (COR) by Email - Single Report |

Notes To Clients:

• Some total metal results were less than dissolved metal results for samples lot #1114472. The results were verified and are within expected measurement uncertainty.

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Lot ID: 1114472

C0049858

Jan 4, 2016

Jan 7, 2016

2072629

Control Number:

Date Received:

Date Reported:

Report Number:

Analytical Report

Bill To: J. Gibson & Associates Project:

ID: Report To: J. Gibson & Associates Rock Haven Res.

Name:

Box 20913

Whitehorse, YT, Canada Location: Y1A 6P2 LSD: Attn: John Gibson P.O.:

Sampled By: J.Gibson Acct code:

Company:

Reference Number 1114472-1 1114472-2 1114472-3 Jan 02, 2016 Jan 02, 2016 Jan 02, 2016 Sample Date Sample Time 10:10 10:45 11:20 **Sample Location Sample Description** KZ-3 KZ-5 KZ-8 Matrix Water Water Water Nominal Detection Analyte Units Results Results Results Limit **Inorganic Nonmetallic Parameters** Organic Carbon Total Nonpurgeable mg/L 1.7 1.2 3.4 0.5 Cyanide Total mg/L < 0.002 < 0.002 < 0.002 0.002 Ammonia - N 0.01 < 0.01 < 0.01 0.01 mg/L Phosphorus Total 0.100 0.006 0.006 0.003 mg/L **Metals Total** Calcium Total 16.5 8.07 60.0 0.05 mg/L Magnesium Total mg/L 4.82 2.39 13.9 0.05 Potassium Total mg/L 0.51 0.40 1.06 0.1 Silicon Total 6.38 4.70 7.27 0.05 mg/L Sulfur Total mg/L 1.7 1.2 35.8 0.1

Klaza

| Sodium | Total | mg/L | 2.88 | 1.84 | 5.84 | 0.02 |
|-------------------|-------------------|------|----------|----------|-----------|---------|
| Titanium | Total | mg/L | 0.0050 | 0.0015 | 0.0100 | 0.001 |
| Mercury | Total | mg/L | <0.00001 | <0.00001 | < 0.00001 | 0.00001 |
| Physical and Aggi | regate Properties | | | | | |
| Solids | Total Suspended | mg/L | 16 | <5 | <5 | 5 |
| Solids | Total Dissolved | mg/L | 40 | 14 | 214 | 5 |

| litanium | l otal | mg/L | 0.0050 | 0.0015 | 0.0100 | 0.001 |
|-------------------------|-----------------|---------------|-----------|-----------|-----------|---------|
| Mercury | Total | mg/L | < 0.00001 | < 0.00001 | < 0.00001 | 0.00001 |
| Physical and Aggregat | te Properties | | | | | |
| Solids | Total Suspended | mg/L | 16 | <5 | <5 | 5 |
| Solids | Total Dissolved | mg/L | 40 | 14 | 214 | 5 |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | Exceeded | Exceeded | |
| рН | at 25 °C | | 7.05 | 6.60 | 7.14 | |
| Electrical Conductivity | | μS/cm at 25 C | 117 | 63 | 375 | 1 |
| Calcium | Dissolved | mg/L | 15.7 | 8.24 | 62.3 | 0.1 |
| Iron | Dissolved | mg/L | 0.008 | < 0.005 | 0.009 | 0.005 |
| Magnesium | Dissolved | mg/L | 4.84 | 2.59 | 15.2 | 0.1 |
| Manganese | Dissolved | mg/L | 0.003 | <0.001 | 0.028 | 0.001 |
| Potassium | Dissolved | mg/L | 0.5 | 0.4 | 1.1 | 0.1 |
| Silicon | Dissolved | mg/L | 6.25 | 4.91 | 7.73 | 0.05 |
| Sodium | Dissolved | mg/L | 2.7 | 1.8 | 6.3 | 0.1 |
| Sulfur | Dissolved | mg/L | 1.7 | 1.2 | 38.4 | 0.2 |
| Bicarbonate | | mg/L | 72 | 38 | 135 | 5 |
| Carbonate | | mg/L | <6 | <6 | <6 | 6 |
| Hydroxide | | mg/L | <5 | <5 | <5 | 5 |
| P-Alkalinity | as CaCO3 | mg/L | <5 | <5 | <5 | 5 |
| T-Alkalinity | as CaCO3 | mg/L | 59 | 31 | 111 | 5 |
| Chloride | Dissolved | mg/L | 0.17 | 0.16 | 0.36 | 0.05 |
| Nitrate - N | Dissolved | mg/L | 0.35 | 0.27 | 0.20 | 0.01 |
| Nitrite - N | Dissolved | mg/L | 0.14 | 0.11 | 0.13 | 0.01 |
| | | | | | | |

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Analytical Report

Bill To: J. Gibson & Associates

ID: Rock Haven Res.

Report To: J. Gibson & Associates Box 20913

Attn: John Gibson

Name: Klaza

Whitehorse, YT, Canada Y1A 6P2

Location: LSD:

Acct code:

Project:

P.O.:

Control Number: C0049858 Date Received: Jan 4, 2016

Lot ID: 1114472

Date Reported: Jan 7, 2016 Report Number: 2072629

Company:

Sampled By: J.Gibson

| | | Reference Number | 1114472-1 | 1114472-2 | 1114472-3 | |
|----------------------|-----------|--------------------|----------------|----------------|----------------|-------------------|
| | | Sample Date | Jan 02, 2016 | Jan 02, 2016 | Jan 02, 2016 | |
| | | Sample Time | 10:10 | 10:45 | 11:20 | |
| | | Sample Location | | | | |
| | | Sample Description | KZ-3 | KZ-5 | KZ-8 | |
| | | Matrix | Water | Water | Water | |
| Analyte | | Units | Results | Results | Results | Nominal Detection |
| Routine Water - Cont | inued | | | | | |
| Sulfate (SO4) | Dissolved | mg/L | 4.43 | 3.04 | 114 | 0.5 |
| Hardness | as CaCO3 | mg/L | 59 | 31 | 218 | 5 |
| Hardness | Total | mg CaCO3/L | 60.9 | 30.0 | 207 | 1 |
| race Metals Dissolv | ed | | | | | |
| Digestion | Dissolved | | Field Filtered | Field Filtered | Field Filtered | |
| Titanium | Dissolved | mg/L | <0.010 | <0.010 | < 0.010 | 0.01 |
| Aluminum | Dissolved | mg/L | 0.012 | < 0.005 | < 0.005 | 0.005 |
| Antimony | Dissolved | mg/L | < 0.0002 | < 0.0002 | 0.0003 | 0.0002 |
| Arsenic | Dissolved | mg/L | < 0.0002 | < 0.0002 | 0.0010 | 0.0002 |
| Barium | Dissolved | mg/L | 0.052 | 0.026 | 0.056 | 0.001 |
| Beryllium | Dissolved | mg/L | <0.00004 | < 0.00004 | < 0.00004 | 0.00004 |
| Bismuth | Dissolved | mg/L | <0.0010 | < 0.0010 | < 0.0010 | 0.001 |
| Boron | Dissolved | mg/L | <0.004 | < 0.004 | < 0.004 | 0.004 |
| Cadmium | Dissolved | mg/L | < 0.00001 | 0.00002 | 0.00004 | 0.00001 |
| Chromium | Dissolved | mg/L | < 0.0004 | < 0.0004 | < 0.0004 | 0.0004 |
| Cobalt | Dissolved | mg/L | < 0.00002 | < 0.00002 | 0.00003 | 0.00002 |
| Copper | Dissolved | mg/L | <0.001 | <0.001 | 0.002 | 0.001 |
| Lead | Dissolved | mg/L | <0.0001 | <0.0001 | < 0.0001 | 0.0001 |
| Lithium | Dissolved | mg/L | <0.001 | <0.001 | 0.001 | 0.001 |
| Molybdenum | Dissolved | mg/L | 0.00032 | 0.00010 | 0.00108 | 0.0001 |
| Nickel | Dissolved | mg/L | <0.001 | <0.001 | < 0.001 | 0.001 |
| Selenium | Dissolved | mg/L | <0.0006 | < 0.0006 | < 0.0006 | 0.0006 |
| Silver | Dissolved | mg/L | < 0.00001 | < 0.00001 | < 0.00001 | 0.00001 |
| Strontium | Dissolved | mg/L | 0.140 | 0.071 | 0.511 | 0.001 |
| Tellurium | Dissolved | mg/L | <0.0001 | <0.0001 | < 0.0001 | 0.0001 |
| Thallium | Dissolved | mg/L | < 0.00001 | < 0.00001 | < 0.00001 | 0.00001 |
| Thorium | Dissolved | mg/L | < 0.0004 | < 0.0004 | < 0.0004 | 0.0004 |
| Tin | Dissolved | mg/L | <0.0001 | <0.0001 | < 0.0001 | 0.0001 |
| Uranium | Dissolved | mg/L | 0.0007 | < 0.0004 | 0.0022 | 0.0004 |
| Vanadium | Dissolved | mg/L | 0.00024 | 0.00020 | 0.00016 | 0.0001 |
| Zinc | Dissolved | mg/L | <0.001 | <0.001 | <0.001 | 0.001 |
| Zirconium | Dissolved | mg/L | <0.00010 | <0.00010 | <0.00010 | 0.0001 |
| race Metals Total | | ŭ | | | | |
| Aluminum | Total | mg/L | 0.086 | 0.005 | 0.040 | 0.001 |
| Antimony | Total | mg/L | <0.0002 | < 0.0002 | 0.0002 | 0.00002 |
| Arsenic | Total | mg/L | <0.0002 | <0.0002 | 0.0011 | 0.0001 |

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Analytical Report

Bill To: J. Gibson & Associates

Project:

Lot ID: 1114472

Report To: J. Gibson & Associates

ID:

Control Number: C0049858

Box 20913 Whitehorse, YT, Canada

Klaza Name:

Date Received: Jan 4, 2016 Date Reported: Jan 7, 2016

Y1A 6P2

Location: LSD:

Acct code:

Attn: John Gibson Sampled By: J.Gibson

P.O.:

Report Number: 2072629

Company:

Reference Number Sample Date Sample Time **Sample Location**

1114472-1 Jan 02, 2016

1114472-2 Jan 02, 2016 1114472-3

10:10

Rock Haven Res.

10:45

Jan 02, 2016 11:20

| | | Sample Description | KZ-3 | KZ-5 | KZ-8 | |
|----------------------|-----------|--------------------|-----------|-----------|-----------|----------------------------|
| | | Matrix | Water | Water | Water | |
| Analyte | | Units | Results | Results | Results | Nominal Detection Limit |
| Trace Metals Total - | Continued | | | | | |
| Barium | Total | mg/L | 0.055 | 0.025 | 0.056 | 0.0001 |
| Beryllium | Total | mg/L | < 0.00005 | < 0.00005 | < 0.00005 | 0.00005 |
| Bismuth | Total | mg/L | <0.0010 | < 0.0010 | < 0.0010 | 0.0001 |
| Boron | Total | mg/L | <0.004 | < 0.004 | < 0.004 | 0.002 |
| Cadmium | Total | mg/L | 0.00003 | 0.00002 | 0.00005 | 0.00001 |
| Chromium | Total | mg/L | < 0.0004 | < 0.0004 | < 0.0004 | 0.00005 |
| Cobalt | Total | mg/L | 0.00014 | < 0.00002 | 0.00003 | 0.00002 |
| Copper | Total | mg/L | <0.001 | < 0.001 | 0.002 | 0.0005 |
| Iron | Total | mg/L | 0.328 | 0.011 | 0.062 | 0.002 |
| Lead | Total | mg/L | <0.0001 | < 0.0001 | 0.0001 | 0.00001 |
| Lithium | Total | mg/L | <0.001 | < 0.001 | 0.002 | 0.0005 |
| Manganese | Total | mg/L | 0.033 | <0.001 | 0.024 | 0.001 |
| Molybdenum | Total | mg/L | 0.00029 | < 0.00010 | 0.00109 | 0.00002 |
| Nickel | Total | mg/L | <0.001 | < 0.001 | <0.001 | 0.0002 |
| Selenium | Total | mg/L | <0.0006 | < 0.0006 | < 0.0006 | 0.0002 |
| Silver | Total | mg/L | <0.00001 | < 0.00001 | < 0.00001 | 0.00001 |
| Strontium | Total | mg/L | 0.138 | 0.069 | 0.494 | 0.0001 |
| Tellurium | Total | mg/L | <0.0001 | < 0.0001 | < 0.0001 | 0.00005 |
| Thallium | Total | mg/L | < 0.00001 | <0.00001 | < 0.00001 | 0.00001 |
| Thorium | Total | mg/L | <0.0004 | <0.0004 | < 0.0004 | 0.00005 |
| Tin | Total | mg/L | <0.0001 | <0.0001 | < 0.0001 | 0.0001 |
| Uranium | Total | mg/L | 0.0010 | <0.0004 | 0.0022 | 0.00001 |
| Vanadium | Total | mg/L | 0.00064 | 0.00023 | 0.00023 | 0.00005 |
| Zinc | Total | mg/L | <0.001 | <0.001 | <0.001 | 0.0005 |
| Zirconium | Total | mg/L | <0.0001 | <0.0001 | 0.0001 | 0.0001 |

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Analytical Report

Bill To: J. Gibson & Associates Project:

ID: Rock Haven Res.

Report To: J. Gibson & Associates Box 20913

> Whitehorse, YT, Canada Location: Y1A 6P2 LSD:

Name:

Attn: John Gibson P.O.:
Sampled By: J.Gibson Acct code:

Company:

Klaza Control Number: C0049858

Control Number: C0049858

Date Received: Jan 4, 2016
Date Reported: Jan 7, 2016
Report Number: 2072629

Lot ID: 1114472

Reference Number 1114472-4
Sample Date Jan 02, 2016
Sample Time 12:50
Sample Location

Sample Description KZ-9

latrix Water

| | | Matrix | Water | | | |
|-------------------------|--------------------|---------------|-----------|---------|---------|----------------------------|
| Analyte | | Units | Results | Results | Results | Nominal Detection Limit |
| Inorganic Nonmetallic | Parameters | | | | | |
| Organic Carbon | Total Nonpurgeable | mg/L | 1.6 | | | 0.5 |
| Cyanide | Total | mg/L | < 0.002 | | | 0.002 |
| Ammonia - N | | mg/L | 0.01 | | | 0.01 |
| Phosphorus | Total | mg/L | 0.009 | | | 0.003 |
| Metals Total | | | | | | |
| Calcium | Total | mg/L | 14.3 | | | 0.05 |
| Magnesium | Total | mg/L | 4.59 | | | 0.05 |
| Potassium | Total | mg/L | 0.50 | | | 0.1 |
| Silicon | Total | mg/L | 6.17 | | | 0.05 |
| Sulfur | Total | mg/L | 1.4 | | | 0.1 |
| Sodium | Total | mg/L | 2.44 | | | 0.02 |
| Titanium | Total | mg/L | 0.0027 | | | 0.001 |
| Mercury | Total | mg/L | < 0.00001 | | | 0.00001 |
| Physical and Aggregat | e Properties | - | | | | |
| Solids | Total Suspended | mg/L | <5 | | | 5 |
| Solids | Total Dissolved | mg/L | 66 | | | 5 |
| Routine Water | | | | | | |
| pH - Holding Time | | | Exceeded | | | |
| рН | at 25 °C | | 7.01 | | | |
| Electrical Conductivity | | μS/cm at 25 C | 103 | | | 1 |
| Calcium | Dissolved | mg/L | 14.3 | | | 0.1 |
| Iron | Dissolved | mg/L | 0.009 | | | 0.005 |
| Magnesium | Dissolved | mg/L | 4.85 | | | 0.1 |
| Manganese | Dissolved | mg/L | 0.026 | | | 0.001 |
| Potassium | Dissolved | mg/L | 0.5 | | | 0.1 |
| Silicon | Dissolved | mg/L | 6.35 | | | 0.05 |
| Sodium | Dissolved | mg/L | 2.5 | | | 0.1 |
| Sulfur | Dissolved | mg/L | 1.5 | | | 0.2 |
| Bicarbonate | | mg/L | 67 | | | 5 |
| Carbonate | | mg/L | <6 | | | 6 |
| Hydroxide | | mg/L | <5 | | | 5 |
| P-Alkalinity | as CaCO3 | mg/L | <5 | | | 5 |
| T-Alkalinity | as CaCO3 | mg/L | 55 | | | 5 |
| Chloride | Dissolved | mg/L | 0.54 | | | 0.05 |
| Nitrate - N | Dissolved | mg/L | 0.18 | | | 0.01 |
| Nitrite - N | Dissolved | mg/L | 0.12 | | | 0.01 |

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Lot ID: 1114472

Jan 4, 2016

Jan 7, 2016

Control Number: C0049858

Report Number: 2072629

Date Received:

Date Reported:

Analytical Report

Bill To: J. Gibson & Associates

Project: ID: Rock Haven Res.

Report To: J. Gibson & Associates Box 20913

Klaza Name: Whitehorse, YT, Canada Location: Y1A 6P2 LSD:

Attn: John Gibson P.O.: Sampled By: J.Gibson Acct code:

Company:

Reference Number

1114472-4 Sample Date Jan 02, 2016 Sample Time 12:50

Sample Location

Sample Description KZ-9

| | | Matrix | Water | | | |
|----------------------|-----------|------------|----------------|---------|---------|-------------------|
| Analyte | | Units | Results | Results | Results | Nominal Detection |
| Routine Water - Cont | inued | | | | | |
| Sulfate (SO4) | Dissolved | mg/L | 3.75 | | | 0.5 |
| Hardness | as CaCO3 | mg/L | 56 | | | 5 |
| Hardness | Total | mg CaCO3/L | 54.5 | | | 1 |
| Trace Metals Dissolv | ed | | | | | |
| Digestion | Dissolved | | Field Filtered | | | |
| Titanium | Dissolved | mg/L | <0.010 | | | 0.01 |
| Aluminum | Dissolved | mg/L | <0.005 | | | 0.005 |
| Antimony | Dissolved | mg/L | < 0.0002 | | | 0.0002 |
| Arsenic | Dissolved | mg/L | < 0.0002 | | | 0.0002 |
| Barium | Dissolved | mg/L | 0.044 | | | 0.001 |
| Beryllium | Dissolved | mg/L | < 0.00004 | | | 0.00004 |
| Bismuth | Dissolved | mg/L | <0.0010 | | | 0.001 |
| Boron | Dissolved | mg/L | <0.004 | | | 0.004 |
| Cadmium | Dissolved | mg/L | 0.00002 | | | 0.00001 |
| Chromium | Dissolved | mg/L | <0.0004 | | | 0.0004 |
| Cobalt | Dissolved | mg/L | 0.00006 | | | 0.00002 |
| Copper | Dissolved | mg/L | <0.001 | | | 0.001 |
| Lead | Dissolved | mg/L | <0.0001 | | | 0.0001 |
| Lithium | Dissolved | mg/L | <0.001 | | | 0.001 |
| Molybdenum | Dissolved | mg/L | 0.00022 | | | 0.0001 |
| Nickel | Dissolved | mg/L | <0.001 | | | 0.001 |
| Selenium | Dissolved | mg/L | <0.0006 | | | 0.0006 |
| Silver | Dissolved | mg/L | <0.00001 | | | 0.00001 |
| Strontium | Dissolved | mg/L | 0.134 | | | 0.001 |
| Tellurium | Dissolved | mg/L | <0.0001 | | | 0.0001 |
| Thallium | Dissolved | mg/L | <0.00001 | | | 0.00001 |
| Thorium | Dissolved | mg/L | < 0.0004 | | | 0.0004 |
| Tin | Dissolved | mg/L | <0.0001 | | | 0.0001 |
| Uranium | Dissolved | mg/L | < 0.0004 | | | 0.0004 |
| Vanadium | Dissolved | mg/L | 0.00019 | | | 0.0001 |
| Zinc | Dissolved | mg/L | <0.001 | | | 0.001 |
| Zirconium | Dissolved | mg/L | <0.00010 | | | 0.0001 |
| Trace Metals Total | | | | | | |
| Aluminum | Total | mg/L | 0.019 | | | 0.001 |
| Antimony | Total | mg/L | <0.0002 | | | 0.00002 |
| Arsenic | Total | mg/L | < 0.0002 | | | 0.0001 |



Lot ID: 1114472

Analytical Report

Bill To: J. Gibson & Associates Project:

Report To: J. Gibson & Associates ID: Rock Haven Res. Control Number: C0049858

Box 20913 Name: Klaza Data Received: Jon 4, 2016

Whitehorse, YT, Canada Location: Date Reported: Jan 4, 2016
Y1A 6P2 LSD: Date Reported: Jan 7, 2016
Report Number: 2072629

Attn: John Gibson P.O.:
Sampled By: J.Gibson Acct code:

Company:

 Reference Number
 1114472-4

 Sample Date
 Jan 02, 2016

 Sample Time
 12:50

Sample Location

Sample Description KZ-9

Matrix Water

| Analyte | | Units | Results | Results | Results | Nominal Detection Limit |
|----------------------|-----------|-------|-----------|---------|---------|----------------------------|
| Trace Metals Total - | Continued | | | | | |
| Barium | Total | mg/L | 0.043 | | | 0.0001 |
| Beryllium | Total | mg/L | < 0.00005 | | | 0.00005 |
| Bismuth | Total | mg/L | <0.0010 | | | 0.0001 |
| Boron | Total | mg/L | < 0.004 | | | 0.002 |
| Cadmium | Total | mg/L | 0.00002 | | | 0.00001 |
| Chromium | Total | mg/L | < 0.0004 | | | 0.00005 |
| Cobalt | Total | mg/L | 0.00005 | | | 0.00002 |
| Copper | Total | mg/L | <0.001 | | | 0.0005 |
| Iron | Total | mg/L | 0.042 | | | 0.002 |
| Lead | Total | mg/L | < 0.0001 | | | 0.00001 |
| Lithium | Total | mg/L | <0.001 | | | 0.0005 |
| Manganese | Total | mg/L | 0.024 | | | 0.001 |
| Molybdenum | Total | mg/L | 0.00018 | | | 0.00002 |
| Nickel | Total | mg/L | <0.001 | | | 0.0002 |
| Selenium | Total | mg/L | < 0.0006 | | | 0.0002 |
| Silver | Total | mg/L | < 0.00001 | | | 0.00001 |
| Strontium | Total | mg/L | 0.128 | | | 0.0001 |
| Tellurium | Total | mg/L | < 0.0001 | | | 0.00005 |
| Thallium | Total | mg/L | <0.00001 | | | 0.00001 |
| Thorium | Total | mg/L | < 0.0004 | | | 0.00005 |
| Tin | Total | mg/L | <0.0001 | | | 0.0001 |
| Uranium | Total | mg/L | < 0.0004 | | | 0.00001 |
| Vanadium | Total | mg/L | 0.00023 | | | 0.00005 |
| Zinc | Total | mg/L | <0.001 | | | 0.0005 |
| Zirconium | Total | mg/L | <0.0001 | | | 0.0001 |

Approved by:

Randy Neumann, BSc Vice President

RhDeunson

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Methodology and Notes

Bill To: J. Gibson & Associates

Project: ID:

Lot ID: 1114472

Report To: J. Gibson & Associates Box 20913

Name:

Control Number: C0049858

Whitehorse, YT, Canada

Klaza

Rock Haven Res.

Date Received: Jan 4, 2016 Date Reported: Jan 7, 2016

Y1A 6P2 Attn: John Gibson Location: LSD: P.O.:

Report Number: 2072629

Sampled By: J.Gibson

Acct code:

Company:

| Method of Analysis Method Name | Reference | Method | Date Analysis | Location |
|---|-------------|--|---------------|----------------|
| victifica (valific | I/GIGIGIICG | IVIGU IOU | Started | Location |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Alkalinity - Titration Method, 2320 B | 05-Jan-16 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * Conductivity, 2510 B | 05-Jan-16 | Exova Surrey |
| Alk, pH, EC, Turb in water (Surrey) | APHA | * pH - Electrometric Method, 4500-H+ B | 05-Jan-16 | Exova Surrey |
| Ammonia-N in Water (Surrey) | APHA | * Flow Injection Analysis, 4500-NH3 H | 06-Jan-16 | Exova Surrey |
| Anions by IEC in water (Surrey) | АРНА | * Ion Chromatography with Chemical Suppression of Eluent Cond., 4110 B | 05-Jan-16 | Exova Surrey |
| Carbon Organic (Total) in water (TOC) | APHA | High-Temperature Combustion Method, 5310 B | 06-Jan-16 | Exova Edmonton |
| Cyanide (Total) in water | US EPA | * US EPA method, 335.3 | 06-Jan-16 | Exova Edmonton |
| Mercury Low Level (Total) in water Surrey) | EPA | * Mercury in Water by Cold Vapor Atomic Fluorescence Spectrometry, 245.7 | 07-Jan-16 | Exova Surrey |
| Metals SemiTrace (Dissolved) in water Surrey) | US EPA | Metals & Trace Elements by ICP-AES, 6010C | 06-Jan-16 | Exova Surrey |
| Metals SemiTrace (Total) in Water Surrey) | US EPA | Metals & Trace Elements by ICP-AES, 6010C | 05-Jan-16 | Exova Surrey |
| hosphorus - total by Smartchem Surrey) | APHA | Preliminary Acid Hydrolysis, Ascorbic Aci Reduction Method, 4500-P B,E | d 05-Jan-16 | Exova Surrey |
| olids Dissolved (Total, Fixed and olatile) - Surrey | APHA | * Total Dissolved Solids Dried at 180 C, 2540 C | 04-Jan-16 | Exova Surrey |
| Solids Suspended (Total, Fixed and /olatile) - Surrey | APHA | * Total Suspended Solids Dried at 103- 105'C, 2540 D | 05-Jan-16 | Exova Surrey |
| Frace Metals (dissolved) in Water Surrey) | US EPA | Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | 06-Jan-16 | Exova Surrey |
| Frace Metals (Total) in Water (Surrey) | US EPA | * Determination of Trace Elements in Waters and Wastes by ICP-MS, 200.8 | 05-Jan-16 | Exova Surrey |

^{*} Reference Method Modified

References

APHA Standard Methods for the Examination of Water and Wastewater

US EPA US Environmental Protection Agency Test Methods

Comments:

• Some total metal results were less than dissolved metal results for samples lot #1114472. The results were verified and are within expected measurement uncertainty.

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#104, 19575-55 A Ave. F: +1
Surrey, British Columbia E: S
V3S 8P8, Canada W: w

T: +1 (604) 514-3322 F: +1 (604) 514-3323 E: Surrey@exova.com W: www.exova.com



Methodology and Notes

Bill To: J. Gibson & Associates Project:

ID:

Name:

LSD:

P.O.:

Location:

Acct code:

Rock Haven Res.

Klaza

Report To: J. Gibson & Associates

Box 20913

Whitehorse, YT, Canada Y1A 6P2

Attn: John Gibson Sampled By: J.Gibson

Company:

Lot ID: 1114472

Control Number: C0049858
Date Received: Jan 4, 2016
Date Reported: Jan 7, 2016
Report Number: 2072629

Please direct any inquiries regarding this report to our Client Services group.

Results relate only to samples as submitted.

The test report shall not be reproduced except in full, without the written approval of the laboratory.

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| Urgent 2- | -3 working days (50% surcharge) | | HUSH, please indic | ate in the special inst | ructions. | | onta | | | 30 | 73 PW | | | | stamp: |
| Date Require | ed: | Sign | nature: | | | | o L | 72 | 12 | 17M74 | 3 | | Da | te/Time | stamp: |
| Special Instru | ctions/Comments (please include contact | Information inclu | uding ph. # if differe | ent from above). | | | D per | 过 | 512 | 20 | 3 | | D.) | IAN II | 4 (1110) |
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| KZ-3 KZ-5 KZ-8 KZ-9 | Survivore HO | Depth start end in cm m | JAN Z | Sampled | H20 | Method GRAD II | 7 | | | | | | de | ficienci | 1. Indicate any samples were not packaged well 2. Indicate any samples received in Exova suppli 3. Indicate any samples were not clearly labeled 4. Indicate any samples received within the requiold time or temp. 5. Indicate any missing extra samples 6. Indicate any samples were received broken 7. Indicate any samples where sufficient volume |
| KZ-3 KZ-5 KZ-8 KZ-9 | TWZ3 FIELD FITERER METALS + NITIZ. | Depth start end in cm m | JAN Z | /0/0 /0/5 //20 | H20 | Method GRAD II | 7 | | | | | | de | ficienci | 1. Indicate any samples were not packaged well 2. Indicate any samples received in Exova suppli 3. Indicate any samples were not clearly labeled 4. Indicate any samples received within the requiold time or temp. 5. Indicate any missing extra samples 6. Indicate any samples were received broken 7. Indicate any samples where sufficient volume not received |
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