LABORATORY REPORT

Job Number: 17-07776
Revision: 00
Date: 8 June 2017

ADDRESS: Health West
153 Hicks St
Mundijong

ATTENTION: Lester Hewett

DATE RECEIVED: 22/05/2017

YOUR REFERENCE: HealthWest

PURCHASE ORDER: Inv:125480

APPROVALS: Douglas Todd
Laboratory Manager
Jenny Gould
Microbiology Manager
Paul Nottle
Organics Manager
Sam Becker
Inorganics Manager

REPORT COMMENTS:

This report is issued by Analytical Reference Laboratory (WA) Pty Ltd
Samples are analysed on an as received basis unless otherwise noted.

METHOD REFERENCES:

Methods prefixed with "ARL" are covered under NATA Accreditation Number: 2377
Methods prefixed with "PM" are covered under NATA Accreditation Number: 2561

ARL No. 041 Trihalomethanes (THM) in Water
ARL No. 29/402/403 Metals in Water by AAS/ICPOES/ICPMS
ARL No. 040 Arsenic by Hydride Atomic Absorption
ARL No. 406 Mercury by Cold Vapour Atomic Absorption Spectrophotometry
ARL No. 305 Chloride in Water by Discrete Analyser
ARL No. 311 Nitrite in Water by Discrete Analyser
ARL No. 313/319 NOx in Water by Discrete Analyser
ARL No. 324 Sulphide and Hydrogen Sulphide by Microdistillation
ARL No. 317 Total Cyanide by Microdistillation
PM 4.1B Heterotrophic (Standard) Plate Count by Spiral Plate
PM 4.2 Total Coliforms by Membrane Filtration
PM 4.3 Thermotolerant Coliforms and E. coli by Membrane Filtration
PM 4.4 Faecal Streptococci (Enterococci) by Membrane Filtration
PM 4.5 Pseudomonas aeruginosa by Membrane Filtration
PM 2.9 Yeasts and Moulds
# LABORATORY REPORT

**Health West**

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### THM's in Water

<table>
<thead>
<tr>
<th>Sample No:</th>
<th>Sample Description: Ionic Silver</th>
<th>Sample Date: 22/05/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHLOROFORM</td>
<td>1 µg/L</td>
<td>&lt;1</td>
</tr>
<tr>
<td>BROMODICHLOOROMETHANE</td>
<td>1 µg/L</td>
<td>&lt;1</td>
</tr>
<tr>
<td>CHLORODIBROMOMETHANE</td>
<td>1 µg/L</td>
<td>&lt;1</td>
</tr>
<tr>
<td>BROMOFORM</td>
<td>1 µg/L</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Total THM's</td>
<td>1 µg/L</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>

### Metals in Water

<table>
<thead>
<tr>
<th>Sample No:</th>
<th>Sample Description: Ionic Silver</th>
<th>Sample Date: 22/05/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Antimony - Dissolved</td>
<td>0.001 mg/L</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Arsenic - Dissolved</td>
<td>0.001 mg/L</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Silver - Dissolved</td>
<td>0.01 mg/L</td>
<td>18</td>
</tr>
<tr>
<td>Barium - Dissolved</td>
<td>0.01 mg/L</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Boron - Dissolved</td>
<td>0.01 mg/L</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Cadmium - Dissolved</td>
<td>0.002 mg/L</td>
<td>&lt;0.002</td>
</tr>
<tr>
<td>Chromium - Dissolved</td>
<td>0.01 mg/L</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Copper - Dissolved</td>
<td>0.01 mg/L</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Lead - Dissolved</td>
<td>0.01 mg/L</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Manganese - Dissolved</td>
<td>0.01 mg/L</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Mercury - Dissolved</td>
<td>0.0002 mg/L</td>
<td>&lt;0.0002</td>
</tr>
<tr>
<td>Nickel - Dissolved</td>
<td>0.01 mg/L</td>
<td>&lt;0.01</td>
</tr>
<tr>
<td>Selenium - Dissolved</td>
<td>0.001 mg/L</td>
<td>&lt;0.001</td>
</tr>
</tbody>
</table>

### Ions by Discrete Analyser

<table>
<thead>
<tr>
<th>Sample No:</th>
<th>Sample Description: Ionic Silver</th>
<th>Sample Date: 22/05/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chloride</td>
<td>5 mg/L</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Nitrite-N</td>
<td>0.01 mg/L</td>
<td>0.01</td>
</tr>
<tr>
<td>Nitrate-N</td>
<td>0.01 mg/L</td>
<td>&lt;0.01</td>
</tr>
</tbody>
</table>

### Misc. Inorganics in Water

<table>
<thead>
<tr>
<th>Sample No:</th>
<th>Sample Description: Ionic Silver</th>
<th>Sample Date: 22/05/17</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphide</td>
<td>0.05 mg/L</td>
<td>&lt;0.05</td>
</tr>
<tr>
<td>Cyanide - Total</td>
<td>0.005 mg/L</td>
<td>&lt;0.005</td>
</tr>
</tbody>
</table>
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### Water Microbiology

| Sample Description: Ionic Silver  
| Sample Date: 22/05/17 |
|--------------------|--------------------------|
| **LOR** | **UNITS** | 17-07776-4 |
| Heterotrophic Plate Count | 20 | CFU/mL | <20 |
| Total Coliforms | 0 | CFU/50mL | 0 |
| E. Coli | 0 | CFU/50mL | 0 |
| Faecal (Thermotolerant) Coliforms | 0 | CFU/50mL | 0 |
| Enterococci | 0 | CFU/50mL | 0 |
| Pseudomonas aeruginosa | 0 | CFU/50mL | 0 |
| Mould* | 0 | CFU/mL | 0 |
| Yeast* | 0 | CFU/mL | 0 |

**Result Definitions**

LOR  Limit of Reporting  
[NT] Not Tested  
[ND] Not Detected at indicated Limit of Reporting  
* Denotes test not covered by NATA Accreditation

FOR MICROBIOLOGICAL TESTING - The data in this report may not be representative of a lot, batch or other samples and may not necessarily justify the acceptance or rejection of a lot or batch, a product recall or support legal proceedings. Tests are not routinely performed as duplicates unless specifically requested. Changes occur in the bacterial content of biological samples. Samples should be examined as soon as possible after collection, preferably within 6 hrs and must be stored at 4 degrees Celsius or below. Samples tested after 24 hrs cannot be regarded as satisfactory because of temperature abuse and variations.