

|                        |                                                                                   |
|------------------------|-----------------------------------------------------------------------------------|
| <b>Client Name</b>     | <b>AGAT 2910</b><br>2910 - 12th Street NE<br>Calgary, AB T2E7P7<br>(403) 735-2005 |
| <b>Attention to</b>    | Sheryl Akpan                                                                      |
| <b>Project</b>         | TEST                                                                              |
| <b>AGAT Work Order</b> | 25C236796                                                                         |
| <b>Date Reported</b>   | 15 August 2025                                                                    |
| <b>Pages</b>           | 19                                                                                |
| <b>Version</b>         | 1                                                                                 |

Should you require any information regarding this analysis please contact your client services representative at (403) 735-2005

## Disclaimer

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days after receipt unless a Long Term Storage Agreement is signed and returned. Some specialty analysis may be exempt, please contact your Client Services Representative for details.
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- All reportable information is available on request from AGAT Laboratories, in accordance with ISO/IEC 17025:2017, ISO/IEC 17025:2005 (Québec), DR-12-PALA and/or NELAP Standards.
- This document is signed by an authorized signatory who meets the requirements of the MELCCFP, CALA, SCC and/or NELAP.
- For environmental samples in the Province of Québec: The analysis is performed on and results apply to samples as received. A temperature above 6°C upon receipt, as indicated in the Sample Reception Notification (SRN), could indicate the integrity of the samples has been compromised if the delay between sampling and submission to the laboratory could not be minimized.

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AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910  
Sampling Location: N/A  
Attention To: Sheryl Akpan  
Sampled By: N/A

2910 12th Street NE  
Calgary, Alberta, Canada T2E 7P7  
Tel 403.735.2005  
agatlabs.com

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# Exceedance Summary

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| Sample ID | Description | Guideline         | Package                                                                       | Parameter  | Units | Guide Value | Result |
|-----------|-------------|-------------------|-------------------------------------------------------------------------------|------------|-------|-------------|--------|
| 7576933   | Test 2      | ABT1 2019 S AG, F | CCME / Tier 1 Metals (Soil)                                                   | Molybdenum | mg/kg | 4           | 5.0    |
| 7576933   | Test 2      | ABT1 2019 S AG, F | CCME / Tier 1 Metals (Soil)                                                   | Selenium   | mg/kg | 1           | 5.0    |
| 7576933   | Test 2      | ABT1 2019 S AG, F | Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized) | Benzene    | mg/kg | 0.046       | 0.06   |

Comments: ABT1 2019 S AG, F = Alberta Tier 1 - Soil - Agricultural - Fine

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CCME / Tier 1 Metals (Soil) (18 parameters)

|                           |  |               |            |
|---------------------------|--|---------------|------------|
| Date Received: 2025-02-14 |  | Description:  | Test 2     |
| Date Reported: 2025-08-15 |  | Sample Type:  | Soil       |
|                           |  | Date Sampled: | 2026-03-19 |

| Parameter  | Units | G/S | RDL | 7576933 |
|------------|-------|-----|-----|---------|
| Antimony   | mg/kg | 20  | 0.5 | <0.5    |
| Arsenic    | mg/kg | 17  | 0.5 | <0.5    |
| Barium     | mg/kg | 750 | 0.5 | <0.5    |
| Beryllium  | mg/kg | 5   | 0.5 | <0.5    |
| Cadmium    | mg/kg | 1.4 | 0.5 | <0.5    |
| Chromium   | mg/kg | 64  | 0.5 | 20.0    |
| Cobalt     | mg/kg | 20  | 0.5 | 10.0    |
| Copper     | mg/kg | 63  | 0.5 | <0.5    |
| Lead       | mg/kg | 70  | 0.5 | 25.0    |
| Molybdenum | mg/kg | 4   | 0.5 | 5.0     |
| Nickel     | mg/kg | 45  | 0.5 | <0.5    |
| Selenium   | mg/kg | 1   | 0.5 | 5.0     |
| Silver     | mg/kg | 20  | 0.5 | <0.5    |
| Thallium   | mg/kg | 1   | 0.5 | <0.5    |
| Tin        | mg/kg | 5   | 0.5 | <0.5    |
| Uranium    | mg/kg | 23  | 0.5 | 5.0     |
| Vanadium   | mg/kg | 130 | 0.5 | <0.5    |
| Zinc       | mg/kg | 250 | 1   | <1      |

Comments: RDL - Reported Detection Limit; Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.

G/S - Guideline/Standard: A Refers to ABT1 2019 S AG, F

7576933 Results are based on the dry weight of the sample.

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## Soil Analysis - Salinity (pH Calcium Chloride) (23 parameters)

| Date Received: 2025-02-14            |           |         | Description:  | Test 2     | Test 3     |
|--------------------------------------|-----------|---------|---------------|------------|------------|
| Date Reported: 2025-08-15            |           |         | Sample Type:  | Soil       | Soil       |
|                                      |           |         | Date Sampled: | 2026-03-19 | 2026-03-19 |
| Parameter                            | Units     | G/S     | RDL           | 7576933    | 7576935    |
| pH (CaCl2 Extraction)                | pH Units  | 6.0-8.5 | N/A           | 7.71       | 7.02       |
| Electrical Conductivity (Sat. Paste) | dS/m      |         | 0.05          | 2.21       | 1.2        |
| Sodium Adsorption Ratio              | N/A       |         | 0.34          | <0.34      | 8.46       |
| Saturation Percentage                | %         |         | 1             | 50         | 48         |
| Chloride, Soluble                    | mg/L      |         | 5             | 400        | <5         |
| Calcium, Soluble                     | mg/L      |         | 1             | <1         | <1         |
| Potassium, Soluble                   | mg/L      |         | 2             | <2         | <2         |
| Magnesium, Soluble                   | mg/L      |         | 1             | <1         | <1         |
| Sodium, Soluble                      | mg/L      |         | 2             | <2         | 50         |
| Sulfate, Soluble                     | mg/L      |         | 2             | <2         | 4          |
| Theoretical Gypsum Requirement       | tonnes/ha |         | 0.01          | <0.01      | <0.01      |
| Calcium, Soluble (meq/L)             | meq/L     |         | 0.05          | <0.05      | <0.05      |
| Calcium, Soluble (mg/kg)             | mg/kg     |         | 1             | <1         | <1         |
| Chloride, Soluble (meq/L)            | meq/L     |         | 0.06          | 11.3       | <0.06      |
| Chloride, Soluble (mg/kg)            | mg/kg     |         | 2             | 200        | <2         |
| Magnesium, Soluble (meq/L)           | meq/L     |         | 0.08          | <0.08      | <0.08      |
| Magnesium, Soluble (mg/kg)           | mg/kg     |         | 1             | <1         | <1         |
| Potassium, Soluble (meq/L)           | meq/L     |         | 0.05          | <0.05      | <0.05      |
| Potassium, Soluble (mg/kg)           | mg/kg     |         | 2             | <2         | <2         |
| Sodium, Soluble (meq/L)              | meq/L     |         | 0.09          | <0.09      | 2.17       |
| Sodium, Soluble (mg/kg)              | mg/kg     |         | 2             | <2         | 24         |
| Sulfur (as Sulfate), Soluble (meq/L) | meq/L     |         | 0.04          | <0.04      | 0.08       |
| Sulfur (as Sulfate), Soluble (mg/kg) | mg/kg     |         | 2             | <2         | <2         |

Comments: RDL - Reported Detection Limit; Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.  
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## Soil Analysis - Salinity (pH Calcium Chloride) (23 parameters)

|                           |               |            |            |
|---------------------------|---------------|------------|------------|
| Date Received: 2025-02-14 | Description:  | Test 2     | Test 3     |
| Date Reported: 2025-08-15 | Sample Type:  | Soil       | Soil       |
|                           | Date Sampled: | 2026-03-19 | 2026-03-19 |

Comments:

7576933-7576935 If sodium results in mg/L are less than detection, SAR is non-calculable and is reported as 0.

Sodium Adsorption Ratio is a calculated parameter. The calculated value is the ratio of the sodium concentration in mmol/L over the square rooted sum of the calcium and magnesium concentrations in mmol/L.

Theoretical Gypsum Requirement is a calculated parameter. The calculation is from "A Comparison of Methods for Gypsum Requirement of Brine-Contaminated Soils", Canadian Journal of Soil Science, 1998.

Analysis performed at AGAT Edmonton (unless marked by \*)

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Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized) (11 parameters)

|                           |               |            |            |
|---------------------------|---------------|------------|------------|
| Date Received: 2025-02-14 | Description:  | Test 2     | Test 3     |
| Date Reported: 2025-08-15 | Sample Type:  | Soil       | Soil       |
|                           | Date Sampled: | 2026-03-19 | 2026-03-19 |

| Parameter                      | Units | G/S   | RDL   | 7576933 | 7576935 |
|--------------------------------|-------|-------|-------|---------|---------|
| Benzene                        | mg/kg | 0.046 | 0.005 | 0.06    | <0.005  |
| Toluene                        | mg/kg | 0.52  | 0.05  | <0.05   | <0.05   |
| Ethylbenzene                   | mg/kg | 0.073 | 0.010 | <0.010  | <0.010  |
| Xylenes                        | mg/kg | 0.99  | 0.05  | <0.05   | <0.05   |
| C6 - C10 (F1)                  | mg/kg |       | 10    | <10     | <10     |
| C6 - C10 (F1 minus BTEX)       | mg/kg | 210   | 10    | <10     | <10     |
| C10 - C16 (F2)                 | mg/kg | 150   | 10    | <10     | <10     |
| C16 - C34 (F3)                 | mg/kg | 1300  | 10    | <10     | <10     |
| C34 - C50 (F4)                 | mg/kg | 5600  | 10    | <10     | <10     |
| Gravimetric Heavy Hydrocarbons | mg/kg |       | 1000  | N/A     | N/A     |
| Moisture Content               | %     |       | 1     | 25      | 60      |

| Surrogate           | Units | AL     | 7576933 | 7576935 |
|---------------------|-------|--------|---------|---------|
| Toluene-d8 (BTEX)   | %     | 60-140 | 79      | 84      |
| o-Terphenyl (F2-F4) | %     | 60-140 | 85      | 80      |

Comments: RDL - Reported Detection Limit; AL = Acceptable Limits; Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.  
G/S - Guideline/Standard: A Refers to ABT1 2019 S AG, F  
7576933-7576935 Results are based on the dry weight of the sample.  
Samples are reported using dry weight detection limits, these limits may not have been met when moisture content is >30%.  
The C6-C10 (F1) fraction is calculated using toluene response factor.  
The C10 - C16 (F2), C16 - C34 (F3), and C34 - C50 (F4) fractions are calculated using the average response factor for n-C10, n-C16, and n-C34.  
Gravimetric Heavy Hydrocarbons (F4g) are not included in and cannot be added to the Total C6-C50 and are only determined if the chromatogram of the C34 - C50 hydrocarbons indicates that hydrocarbons >C50 are present.  
Total C6 - C50 results are corrected for BTEX and PAH contributions (if requested).  
Quality control data is available upon request.  
Assistance in the interpretation of data is available upon request.  
This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.  
nC6 and nC10 response factors are within 30% of Toluene response factor.  
nC10, nC16 and nC34 response factors are within 10% of their average.  
C50 response factor is within 70% of nC10 + nC16 + nC34 average.  
Linearity is within 15%.

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## Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized) (11 parameters)

|                           |               |            |            |
|---------------------------|---------------|------------|------------|
| Date Received: 2025-02-14 | Description:  | Test 2     | Test 3     |
| Date Reported: 2025-08-15 | Sample Type:  | Soil       | Soil       |
|                           | Date Sampled: | 2026-03-19 | 2026-03-19 |

Comments:  
The chromatogram returned to baseline by the retention time of nC50.  
Extraction and holding times were met for this sample.  
C6 – C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.  
Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylenes + o-Xylene.  
Analysis performed at AGAT Edmonton (unless marked by \*)

- A
- B
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- G

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## Petroleum Hydrocarbons (BTEX/F1-F4) in Water (10 parameters)

|                                                        |       |        |               |            |
|--------------------------------------------------------|-------|--------|---------------|------------|
| Date Received: 2025-02-14<br>Date Reported: 2025-08-15 |       |        | Description:  | Test 1     |
|                                                        |       |        | Sample Type:  | Water      |
|                                                        |       |        | Date Sampled: | 2026-03-19 |
| Parameter                                              | Units | G/S    | RDL           | 7576932    |
| Benzene                                                | mg/L  | 0.0050 | 0.0005        | <0.0005    |
| Toluene                                                | mg/L  |        | 0.0003        | <0.0003    |
| Ethylbenzene                                           | mg/L  | 0.0016 | 0.0005        | <0.0005    |
| Xylenes                                                | mg/L  | 0.020  | 0.0005        | <0.0005    |
| C6 - C10 (F1)                                          | mg/L  |        | 0.1           | <0.1       |
| C6 - C10 (F1 minus BTEX)                               | mg/L  | 0.81   | 0.10          | <0.10      |
| C>10 - C16 (F2)                                        | mg/L  | 1.1    | 0.1           | <0.1       |
| C>16 - C34 (F3)                                        | mg/L  |        | 0.1           | <0.1       |
| C>34 - C50 (F4)                                        | mg/L  |        | 0.1           | <0.1       |
| Sediment                                               |       |        |               | Trace      |
| Surrogate                                              | Units |        | AL            | 7576932    |
| Toluene-d8 (BTEX)                                      | %     |        | 60-140        | <1         |
| o-Terphenyl (F2-F4)                                    | %     |        | 60-140        | <1         |

Comments: RDL - Reported Detection Limit; AL = Acceptable Limits; Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.  
G/S - Guideline/Standard; A Refers to Alberta Tier 1 2024 - Groundwater - Agricultural - Coarse

7576932 The F1 (C6 - C10) fraction is determined by integrating the FID chromatogram from the beginning of the nC6 peak to the apex of the last nC10 peak.

The C6 - C10 fraction is calculated from the FID toluene response factor.

The F2 (C10 - C16) fraction is determined by integrating the FID chromatogram from the apex of the nC10 peak to the apex of the nC16 peak. F3 (C16 - 34) from the apex of nC16 to the apex of nC34, F4 from the apex of nC34 to the apex of nC50.

The F2 (C10 - C16), F3 (C16 - 34), F4 (C34 - 50) fractions are calculated using the average response factor for nC10, nC16, and nC34.

Quality control for the calibration follows the guidelines set out in the CCME Contaminated Sites Method for Soils.

C6 - C10 (F1 minus BTEX) is a calculated parameter. The calculated value is F1 minus BTEX.

C>10 - C16 (F2- Napthalene) is a calculated parameter. The calculated value is F2 - Napthalene (if requested).

C>16 - C34 (F3-PAH) is a calculated parameter. The calculated value is F3-PAH (if requested).

Xylenes is a calculated parameter. The calculated value is the sum of m&p-Xylenes + o-Xylene.

Extraction and holding times were met for this sample.

Sample is blank corrected.

Sediment parameter is comment only based on visual inspection of the sample prior to extraction and is not an accredited test.

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## Routine Chemistry Water Analysis (25 parameters)

| Date Received: 2025-02-14  |            |         | Description:  | Test 1     |
|----------------------------|------------|---------|---------------|------------|
| Date Reported: 2025-08-15  |            |         | Sample Type:  | Water      |
|                            |            |         | Date Sampled: | 2026-03-19 |
| Parameter                  | Units      | G/S     | RDL           | 7576932    |
| pH                         | pH Units   | 6.5-8.5 | NA            | 7.5        |
| p - Alkalinity (as CaCO3)  | mg/L       |         | 5             | <5         |
| T - Alkalinity (as CaCO3)  | mg/L       |         | 5             | 110        |
| Bicarbonate                | mg/L       |         | 5             | 150        |
| Carbonate                  | mg/L       |         | 5             | <5         |
| Hydroxide                  | mg/L       |         | 5             | <5         |
| Electrical Conductivity    | uS/cm      | 1000    | 1             | 430        |
| Fluoride                   | mg/L       | 1       | 0.05          | 0.20       |
| Chloride                   | mg/L       | 100     | 1             | 75         |
| Nitrite                    | mg/L       |         | 0.05          | <0.05      |
| Nitrite-N                  | mg/L       | 1.0     | 0.01          | <0.01      |
| Nitrate                    | mg/L       |         | 0.5           | 1.0        |
| Nitrate-N                  | mg/L       | 3       | 0.02          | 0.23       |
| Nitrate+Nitrite - Nitrogen | mg/L       |         | 0.02          | 0.23       |
| Sulfate                    | mg/L       | 500     | 1             | 15         |
| Dissolved Calcium          | mg/L       |         | 0.3           | 54.5       |
| Dissolved Magnesium        | mg/L       |         | 0.2           | 10.5       |
| Dissolved Sodium           | mg/L       | 200     | 0.6           | 20.4       |
| Dissolved Potassium        | mg/L       |         | 0.6           | <0.6       |
| Dissolved Iron             | mg/L       | 0.3     | 0.1           | <0.1       |
| Dissolved Manganese        | mg/L       | 0.05    | 0.005         | <0.005     |
| Calculated TDS             | mg/L       |         | 0.6           | 250        |
| Sodium Adsorption Ratio    | N/A        |         | 0.02          | 0.66       |
| Hardness                   | mg CaCO3/L |         | 1             | 179        |
| Ion Balance                | %          |         | 1             | 91         |

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Attention To: Sheryl Akpan

Sampled By: N/A

2910 12th Street NE

Calgary, Alberta, Canada T2E 7P7

Tel 403.735.2005

agatlabs.com

## Routine Chemistry Water Analysis (25 parameters)

|                           |               |            |
|---------------------------|---------------|------------|
| Date Received: 2025-02-14 | Description:  | Test 1     |
| Date Reported: 2025-08-15 | Sample Type:  | Water      |
|                           | Date Sampled: | 2026-03-19 |

Comments: RDL - Reported Detection Limit; Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.  
G/S - Guideline/Standard: A Refers to Alberta Tier 1 - Groundwater - Agricultural - Fine  
7576932 < - Values refer to Report Detection Limits.  
If sodium results in mg/L are less than detection, SAR is non-calculable and is reported as 0.  
Analysis performed at AGAT Edmonton (unless marked by \*)

- A
- B
- C
- D
- E
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Certified By: \_\_\_\_\_

# Quality Control

AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910

Sampling Location: N/A

Attention To: Sheryl Akpan

Sampled By: N/A

2910 12th Street NE

Calgary, Alberta, Canada T2E 7P7

Tel 403.735.2005

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| Soil Analysis                                  |           |       |           |        |       |              |                    |                   |       |                    |                   |       |              |                   |       |
|------------------------------------------------|-----------|-------|-----------|--------|-------|--------------|--------------------|-------------------|-------|--------------------|-------------------|-------|--------------|-------------------|-------|
| Soil Analysis - Salinity (pH Calcium Chloride) |           |       |           |        |       |              |                    |                   |       |                    |                   |       |              |                   |       |
| Date Reported: Aug. 15, 2025                   |           |       | DUPLICATE |        |       |              | REFERENCE MATERIAL |                   |       | METHOD BLANK SPIKE |                   |       | MATRIX SPIKE |                   |       |
| Parameter                                      | Sample ID | Batch | Dup #1    | Dup #2 | RPD   | Method Blank | Measured Value     | Acceptable Limits |       | % Recovery         | Acceptable Limits |       | % Recovery   | Acceptable Limits |       |
|                                                |           |       |           |        |       |              |                    | Lower             | Upper |                    | Lower             | Upper |              | Lower             | Upper |
| pH (CaCl2 Extraction)                          | 7576933   | 1     | 7.84      | 7.83   | 0.1%  | N/A          | 101%               | 90%               | 110%  |                    |                   |       |              |                   |       |
| Electrical Conductivity (Sat. Paste)           | 7576933   | 1     | 1.63      | 1.86   | 13.3% | < 0.05       | 98%                | 80%               | 120%  |                    |                   |       |              |                   |       |
| Saturation Percentage                          | 7576933   | 1     | 41        | 41     | 0.0%  | < 1          | 97%                | 80%               | 120%  |                    |                   |       |              |                   |       |
| Chloride, Soluble                              | 7576933   | 1     | 388       | 380    | 2.0%  | < 5          | 102%               | 70%               | 130%  | 99%                | 80%               | 120%  | 103%         | 70%               | 130%  |
| Calcium, Soluble                               | 7576933   | 1     | 14        | 15     | 5.9%  | 3            | 111%               | 70%               | 130%  | 110%               | 80%               | 120%  | 120%         | 70%               | 130%  |
| Potassium, Soluble                             | 7576933   | 1     | <2        | <2     | NA    | < 2          | 104%               | 70%               | 130%  | 103%               | 80%               | 120%  | 110%         | 70%               | 130%  |
| Magnesium, Soluble                             | 7576933   | 1     | 4         | 4      | NA    | 1            | 115%               | 70%               | 130%  | 114%               | 80%               | 120%  | 105%         | 70%               | 130%  |
| Sodium, Soluble                                | 7576933   | 1     | 377       | 373    | 0.9%  | 3            | 109%               | 70%               | 130%  | 108%               | 80%               | 120%  | 89%          | 70%               | 130%  |
| Sulfate, Soluble                               | 7576933   | 1     | 31        | 35     | 10.8% | < 2          | 98%                | 70%               | 130%  | 84%                | 80%               | 120%  | 126%         | 70%               | 130%  |

Comments:  
If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated  
If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.

| Soil Analysis                |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
|------------------------------|-----------|-------|-----------|--------|------|--------------|--------------------|-------------------|-------|--------------------|-------------------|-------|--------------|-------------------|-------|
| CCME / Tier 1 Metals (Soil)  |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
| Date Reported: Aug. 15, 2025 |           |       | DUPLICATE |        |      |              | REFERENCE MATERIAL |                   |       | METHOD BLANK SPIKE |                   |       | MATRIX SPIKE |                   |       |
| Parameter                    | Sample ID | Batch | Dup #1    | Dup #2 | RPD  | Method Blank | Measured Value     | Acceptable Limits |       | % Recovery         | Acceptable Limits |       | % Recovery   | Acceptable Limits |       |
|                              |           |       |           |        |      |              |                    | Lower             | Upper |                    | Lower             | Upper |              | Lower             | Upper |
| Antimony                     | 7574850   | 1     | <0.5      | <0.5   | NA   | < 0.5        | 99%                | 70%               | 130%  | 88%                | 80%               | 120%  | 105%         | 70%               | 130%  |
| Arsenic                      | 7574850   | 1     | 5.7       | 5.8    | 1.7% | < 0.5        | 104%               | 80%               | 120%  | 102%               | 80%               | 120%  | 105%         | 80%               | 120%  |
| Barium                       | 7574850   | 1     | 143       | 145    | 1.4% | < 0.5        | 110%               | 70%               | 130%  | 105%               | 80%               | 120%  | 92%          | 70%               | 130%  |
| Beryllium                    | 7574850   | 1     | <0.5      | <0.5   | NA   | < 0.5        | 101%               | 70%               | 130%  | 107%               | 80%               | 120%  | 93%          | 70%               | 130%  |
| Cadmium                      | 7574850   | 1     | <0.5      | <0.5   | NA   | < 0.5        | 109%               | 70%               | 130%  | 103%               | 80%               | 120%  | 96%          | 70%               | 130%  |
| Chromium                     | 7574850   | 1     | 15.1      | 15.5   | 2.6% | < 0.5        | 103%               | 70%               | 130%  | 101%               | 80%               | 120%  | 101%         | 70%               | 130%  |

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# Quality Control

AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910

Sampling Location: N/A

Attention To: Sheryl Akpan

Sampled By: N/A

2910 12th Street NE

Calgary, Alberta, Canada T2E 7P7

Tel 403.735.2005

agatlabs.com

| Soil Analysis                |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
|------------------------------|-----------|-------|-----------|--------|------|--------------|--------------------|-------------------|-------|--------------------|-------------------|-------|--------------|-------------------|-------|
| CCME / Tier 1 Metals (Soil)  |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
| Date Reported: Aug. 15, 2025 |           |       | DUPLICATE |        |      |              | REFERENCE MATERIAL |                   |       | METHOD BLANK SPIKE |                   |       | MATRIX SPIKE |                   |       |
| Parameter                    | Sample ID | Batch | Dup #1    | Dup #2 | RPD  | Method Blank | Measured Value     | Acceptable Limits |       | % Recovery         | Acceptable Limits |       | % Recovery   | Acceptable Limits |       |
|                              |           |       |           |        |      |              |                    | Lower             | Upper |                    | Lower             | Upper |              | Lower             | Upper |
| Cobalt                       | 7574850   | 1     | 7.2       | 7.6    | 5.4% | < 0.5        | 104%               | 70%               | 130%  | 102%               | 80%               | 120%  | 100%         | 70%               | 130%  |
| Copper                       | 7574850   | 1     | 13.6      | 14.2   | 4.3% | < 0.5        | 104%               | 70%               | 130%  | 101%               | 80%               | 120%  | 100%         | 70%               | 130%  |
| Lead                         | 7574850   | 1     | 13.8      | 13.9   | 0.7% | < 0.5        | 120%               | 70%               | 130%  | 109%               | 80%               | 120%  | 108%         | 70%               | 130%  |
| Molybdenum                   | 7574850   | 1     | 0.7       | 0.8    | NA   | < 0.5        | 104%               | 70%               | 130%  | 99%                | 80%               | 120%  | 101%         | 70%               | 130%  |
| Nickel                       | 7574850   | 1     | 16.7      | 17.4   | 4.1% | < 0.5        | 113%               | 70%               | 130%  | 102%               | 80%               | 120%  | 103%         | 70%               | 130%  |
| Selenium                     | 7574850   | 1     | 0.7       | 0.7    | NA   | < 0.5        | 99%                | 70%               | 130%  | 97%                | 80%               | 120%  | 96%          | 70%               | 130%  |
| Silver                       | 7574850   | 1     | <0.5      | <0.5   | NA   | < 0.5        | 105%               | 70%               | 130%  | 98%                | 80%               | 120%  | 90%          | 70%               | 130%  |
| Thallium                     | 7574850   | 1     | <0.5      | <0.5   | NA   | < 0.5        | 119%               | 70%               | 130%  | 108%               | 80%               | 120%  | 97%          | 70%               | 130%  |
| Tin                          | 7574850   | 1     | 0.8       | 0.6    | NA   | < 0.5        | 108%               | 70%               | 130%  | 99%                | 80%               | 120%  | 85%          | 70%               | 130%  |
| Uranium                      | 7574850   | 1     | 1.1       | 1.1    | NA   | < 0.5        | 124%               | 70%               | 130%  | 113%               | 80%               | 120%  | 112%         | 70%               | 130%  |
| Vanadium                     | 7574850   | 1     | 26.4      | 28.1   | 6.2% | < 0.5        | 109%               | 70%               | 130%  | 104%               | 80%               | 120%  | 99%          | 70%               | 130%  |
| Zinc                         | 7574850   | 1     | 71        | 71     | 0.0% | < 1          | 110%               | 70%               | 130%  | 104%               | 80%               | 120%  | 103%         | 70%               | 130%  |

Comments:  
If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.  
If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated.

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Certified By: \_\_\_\_\_

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# Quality Control

AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910

Sampling Location: N/A

Attention To: Sheryl Akpan

Sampled By: N/A

2910 12th Street NE

Calgary, Alberta, Canada T2E 7P7

Tel 403.735.2005

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| Trace Organics Analysis                      |           |       |           |        |       |              |                    |                   |      |                    |                   |       |              |                   |       |       |
|----------------------------------------------|-----------|-------|-----------|--------|-------|--------------|--------------------|-------------------|------|--------------------|-------------------|-------|--------------|-------------------|-------|-------|
| Petroleum Hydrocarbons (BTEX/F1-F4) in Water |           |       |           |        |       |              |                    |                   |      |                    |                   |       |              |                   |       |       |
| Date Reported: Aug. 15, 2025                 |           |       | DUPLICATE |        |       |              | REFERENCE MATERIAL |                   |      | METHOD BLANK SPIKE |                   |       | MATRIX SPIKE |                   |       |       |
| Parameter                                    | Sample ID | Batch | Dup #1    | Dup #2 | RPD   | Method Blank | Measured Value     | Acceptable Limits |      | % Recovery         | Acceptable Limits |       | % Recovery   | Acceptable Limits |       |       |
|                                              |           |       |           |        |       |              | Lower              | Upper             |      |                    | Lower             | Upper |              |                   | Lower | Upper |
| Benzene                                      | 7576932   | 1     | 0.0096    | 0.0087 | 9.8%  | < 0.0005     | 100%               | 60%               | 140% | 97%                | 60%               | 140%  | 91%          | 60%               | 140%  |       |
| Toluene                                      | 7576932   | 1     | 0.0110    | 0.0098 | 11.5% | < 0.0003     | 102%               | 60%               | 140% | 107%               | 60%               | 140%  | 99%          | 60%               | 140%  |       |
| Ethylbenzene                                 | 7576932   | 1     | 0.0020    | 0.0019 | NA    | < 0.0005     | 98%                | 60%               | 140% | 108%               | 60%               | 140%  | 100%         | 60%               | 140%  |       |
| m,p-Xylenes                                  | 7576932   | 1     | 0.0046    | 0.0040 | 14.0% | < 0.0005     | 105%               | 60%               | 140% | 106%               | 60%               | 140%  | 100%         | 60%               | 140%  |       |
| o-Xylene                                     | 7576932   | 1     | 0.0023    | 0.0020 | NA    | < 0.0005     | 100%               | 60%               | 140% | 104%               | 60%               | 140%  | 99%          | 60%               | 140%  |       |
| C6 - C10 (F1)                                | 7576932   | 1     | <0.1      | <0.1   | NA    | < 0.1        | 111%               | 60%               | 140% | 80%                | 60%               | 140%  | 89%          | 60%               | 140%  |       |
| C>10 - C16 (F2)                              | 7378950   | 1     | <0.1      | <0.1   | NA    | < 0.1        | 107%               | 60%               | 140% | 78%                | 60%               | 140%  | 64%          | 60%               | 140%  |       |
| C>16 - C34 (F3)                              | 7378950   | 1     | <0.1      | 0.1    | NA    | < 0.1        | 110%               | 60%               | 140% | 74%                | 60%               | 140%  | 61%          | 60%               | 140%  |       |
| C>34 - C50 (F4)                              | 7378950   | 1     | <0.1      | <0.1   | NA    | < 0.1        | 113%               | 60%               | 140% | 89%                | 60%               | 140%  | 73%          | 60%               | 140%  |       |

Comments:  
If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated.  
The sample spikes and dups are not from the same sample ID.

| Trace Organics Analysis                                                       |           |       |           |        |     |              |                    |                   |      |                    |                   |       |              |                   |       |       |
|-------------------------------------------------------------------------------|-----------|-------|-----------|--------|-----|--------------|--------------------|-------------------|------|--------------------|-------------------|-------|--------------|-------------------|-------|-------|
| Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized) |           |       |           |        |     |              |                    |                   |      |                    |                   |       |              |                   |       |       |
| Date Reported: Aug. 15, 2025                                                  |           |       | DUPLICATE |        |     |              | REFERENCE MATERIAL |                   |      | METHOD BLANK SPIKE |                   |       | MATRIX SPIKE |                   |       |       |
| Parameter                                                                     | Sample ID | Batch | Dup #1    | Dup #2 | RPD | Method Blank | Measured Value     | Acceptable Limits |      | % Recovery         | Acceptable Limits |       | % Recovery   | Acceptable Limits |       |       |
|                                                                               |           |       |           |        |     |              | Lower              | Upper             |      |                    | Lower             | Upper |              |                   | Lower | Upper |
| Benzene                                                                       | 7576504   | 2     | <0.005    | <0.005 | NA  | < 0.005      | 85%                | 60%               | 140% | 80%                | 60%               | 140%  | 78%          | 60%               | 140%  |       |
| Toluene                                                                       | 7576504   | 2     | <0.05     | <0.05  | NA  | < 0.05       | 97%                | 60%               | 140% | 97%                | 60%               | 140%  | 96%          | 60%               | 140%  |       |
| Ethylbenzene                                                                  | 7576504   | 2     | <0.010    | <0.010 | NA  | < 0.010      | 100%               | 60%               | 140% | 103%               | 60%               | 140%  | 101%         | 60%               | 140%  |       |
| m,p-Xylenes                                                                   | 7576504   | 2     | <0.05     | <0.05  | NA  | < 0.05       | 91%                | 60%               | 140% | 82%                | 60%               | 140%  | 81%          | 60%               | 140%  |       |
| o-Xylene                                                                      | 7576504   | 2     | <0.05     | <0.05  | NA  | < 0.05       | 90%                | 60%               | 140% | 82%                | 60%               | 140%  | 77%          | 60%               | 140%  |       |
| C6 - C10 (F1)                                                                 | 7576504   | 2     | <10       | <10    | NA  | < 10         | 100%               | 60%               | 140% | 95%                | 60%               | 140%  | 126%         | 60%               | 140%  |       |

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# Quality Control

AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910

Sampling Location: N/A

Attention To: Sheryl Akpan

Sampled By: N/A

2910 12th Street NE

Calgary, Alberta, Canada T2E 7P7

Tel 403.735.2005

agatlabs.com

| Trace Organics Analysis                                                       |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
|-------------------------------------------------------------------------------|-----------|-------|-----------|--------|------|--------------|--------------------|-------------------|-------|--------------------|-------------------|-------|--------------|-------------------|-------|
| Petroleum Hydrocarbons (BTEX/F1-F4) in Soil (CWS) (Methanol Field Stabilized) |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
| Date Reported: Aug. 15, 2025                                                  |           |       | DUPLICATE |        |      |              | REFERENCE MATERIAL |                   |       | METHOD BLANK SPIKE |                   |       | MATRIX SPIKE |                   |       |
| Parameter                                                                     | Sample ID | Batch | Dup #1    | Dup #2 | RPD  | Method Blank | Measured Value     | Acceptable Limits |       | % Recovery         | Acceptable Limits |       | % Recovery   | Acceptable Limits |       |
|                                                                               |           |       |           |        |      |              |                    | Lower             | Upper |                    | Lower             | Upper |              | Lower             | Upper |
| C10 - C16 (F2)                                                                | 7576504   | 2     | <10       | <10    | NA   | < 10         | 93%                | 60%               | 140%  | 117%               | 60%               | 140%  | 92%          | 60%               | 140%  |
| C16 - C34 (F3)                                                                | 7576504   | 2     | 14        | 50     | NA   | < 10         | 100%               | 60%               | 140%  | 133%               | 60%               | 140%  | 105%         | 60%               | 140%  |
| C34 - C50 (F4)                                                                | 7576504   | 2     | <10       | 12     | NA   | < 10         | 103%               | 60%               | 140%  | 93%                | 60%               | 140%  | 77%          | 60%               | 140%  |
| Moisture Content                                                              | 7576504   | 2     | 16        | 17     | 6.1% | < 1          |                    |                   |       |                    |                   |       |              |                   |       |

Comments:  
If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated.  
The sample spikes and dups are not from the same sample ID.

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Sampling Location: N/A

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Sampled By: N/A

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| Water Analysis                   |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
|----------------------------------|-----------|-------|-----------|--------|------|--------------|--------------------|-------------------|-------|--------------------|-------------------|-------|--------------|-------------------|-------|
| Routine Chemistry Water Analysis |           |       |           |        |      |              |                    |                   |       |                    |                   |       |              |                   |       |
| Date Reported: Aug. 15, 2025     |           |       | DUPLICATE |        |      |              | REFERENCE MATERIAL |                   |       | METHOD BLANK SPIKE |                   |       | MATRIX SPIKE |                   |       |
| Parameter                        | Sample ID | Batch | Dup #1    | Dup #2 | RPD  | Method Blank | Measured Value     | Acceptable Limits |       | % Recovery         | Acceptable Limits |       | % Recovery   | Acceptable Limits |       |
|                                  |           |       |           |        |      |              |                    | Lower             | Upper |                    | Lower             | Upper |              | Lower             | Upper |
| pH                               | 7576932   | 1     | 7.41      | 7.42   | 0.1% |              | 100%               | 90%               | 110%  |                    |                   |       |              |                   |       |
| p - Alkalinity (as CaCO3)        | 7576932   | 1     | <5        | <5     | NA   | < 5          |                    |                   |       |                    |                   |       |              |                   |       |
| T - Alkalinity (as CaCO3)        | 7576932   | 1     | 110       | 107    | 2.4% | < 5          | 98%                | 80%               | 120%  |                    |                   |       |              |                   |       |
| Bicarbonate                      | 7576932   | 1     | 134       | 131    | 2.4% | < 5          |                    |                   |       |                    |                   |       |              |                   |       |
| Carbonate                        | 7576932   | 1     | <5        | <5     | NA   | < 5          |                    |                   |       |                    |                   |       |              |                   |       |
| Hydroxide                        | 7576932   | 1     | <5        | <5     | NA   | < 5          |                    |                   |       |                    |                   |       |              |                   |       |
| Electrical Conductivity          | 7576932   | 1     | 426       | 397    | 6.8% | < 1          | 93%                | 90%               | 110%  |                    |                   |       |              |                   |       |
| Fluoride                         | 7576932   | 1     | 0.15      | 0.15   | NA   | < 0.05       | 95%                | 70%               | 130%  | 96%                | 80%               | 120%  | 96%          | 70%               | 130%  |
| Chloride                         | 7576932   | 1     | 70        | 70     | 0.1% | < 1          | 97%                | 70%               | 130%  | 99%                | 80%               | 120%  | 99%          | 70%               | 130%  |
| Nitrite                          | 7576932   | 1     | <0.05     | <0.05  | NA   | < 0.05       | 97%                | 70%               | 130%  | 99%                | 80%               | 120%  | 99%          | 70%               | 130%  |
| Nitrate                          | 7576932   | 1     | 2.0       | 2.0    | NA   | < 0.5        | 96%                | 70%               | 130%  | 99%                | 80%               | 120%  | 100%         | 70%               | 130%  |
| Sulfate                          | 7576932   | 1     | 14        | 15     | 0.0% | < 1          | 99%                | 70%               | 130%  | 99%                | 80%               | 120%  | 101%         | 70%               | 130%  |
| Dissolved Calcium                | 7576985   | 1     | 78.7      | 80.4   | 2.1% | < 0.3        | 103%               | 70%               | 130%  | 97%                | 80%               | 120%  | 88%          | 70%               | 130%  |
| Dissolved Magnesium              | 7576985   | 1     | 18.9      | 19.2   | 1.6% | < 0.2        | 105%               | 70%               | 130%  | 92%                | 80%               | 120%  | 87%          | 70%               | 130%  |
| Dissolved Sodium                 | 7576985   | 1     | 49.2      | 50.1   | 1.8% | < 0.6        | 105%               | 70%               | 130%  | 95%                | 80%               | 120%  | 91%          | 70%               | 130%  |
| Dissolved Potassium              | 7576985   | 1     | 1.6       | 1.7    | NA   | < 0.6        | 92%                | 70%               | 130%  | 86%                | 80%               | 120%  | 83%          | 70%               | 130%  |
| Dissolved Iron                   | 7576985   | 1     | <0.1      | <0.1   | NA   | < 0.1        | 107%               | 70%               | 130%  | 99%                | 80%               | 120%  | 95%          | 70%               | 130%  |
| Dissolved Manganese              | 7576985   | 1     | 1.64      | 1.67   | 1.8% | < 0.005      | 107%               | 70%               | 130%  | 98%                | 80%               | 120%  | 100%         | 70%               | 130%  |

Comments:

If the RPD value is NA, the results of the duplicates are under 5X the RDL and will not be calculated.

If Matrix spike value is NA, the spiked analyte concentration was lower than that of the matrix contribution.

pH has been analyzed past the recommended holding time of 15 minutes from sampling (field measurement ideal if more accurate data required)

Nitrate and Nitrite: The regulatory hold time for the analysis of nitrate and/or nitrite in water is 72 hours.

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Results relate only to the items tested. Results apply to samples as received.

Certified By: \_\_\_\_\_

# Method Summary

AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910  
Sampling Location: N/A  
Attention To: Sheryl Akpan  
Sampled By: N/A

2910 12th Street NE  
Calgary, Alberta, Canada T2E 7P7  
Tel 403.735.2005  
agatlabs.com

| Soil Analysis                        |                                     |                                        |                      |
|--------------------------------------|-------------------------------------|----------------------------------------|----------------------|
| Parameter                            | AGAT S.O.P.                         | Analytical Reference                   | Analytical Technique |
| Antimony                             | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Arsenic                              | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Barium                               | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Beryllium                            | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Cadmium                              | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Chromium                             | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP/MS               |
| Cobalt                               | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Copper                               | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Lead                                 | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Molybdenum                           | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Nickel                               | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Selenium                             | INORG-171-6006, INOR-171-6202       | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Silver                               | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Thallium                             | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Tin                                  | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Uranium                              | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Vanadium                             | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| Zinc                                 | INOR-171-6006, INOR-171-6202        | EPA SW 846-3050; SM 3125 B             | ICP-MS               |
| pH (CaCl2 Extraction)                | INOR-171-6207                       | SHEPPARD 2007; MILLER 2007; SM 4500 H+ | PH METER             |
| Electrical Conductivity (Sat. Paste) | INOR-171-6208                       | SHEPPARD 2007; MILLER 2007             | CONDUCTIVITY METER   |
| Sodium Adsorption Ratio              | INOR-171-6201 & INOR-171-6002       | CARTER & GREGORICH 2007-SAR            | CALCULATION          |
| Saturation Percentage                | INOR-171-6002                       | CARTER & GREGORICH 2007                | GRAVIMETRIC          |
| Chloride, Soluble                    | INOR-171-6212, 171-6002             | CARTER & GREGORICH 2007, SM 4500-Cl- E | COLORIMETER          |
| Calcium, Soluble                     | INORG-171-6002, INOR-171-6201, 6223 | CARTER & GREGORICH 2007, SM 3120B      | ICP/OES              |
| Potassium, Soluble                   | INORG-171-6002, INOR-171-6201, 6223 | CARTER & GREGORICH 2007, SM 3120B      | ICP/OES              |
| Magnesium, Soluble                   | INORG-171-6002, INOR-171-6201, 6223 | CARTER & GREGORICH 2007, SM 3120B      | ICP/OES              |
| Sodium, Soluble                      | INORG-171-6002, INOR-171-6201, 6223 | CARTER & GREGORICH 2007, SM 3120B      | ICP/OES              |
| Sulfate, Soluble                     | INORG-171-6002, INOR-171-6201, 6223 | SHEPPARD 2007; EATON 2005              | ICP/OES              |
| Theoretical Gypsum Requirement       | INOR-171-6201 & INOR-171-6002       | USDA HDBK 60, 22D                      | CALCULATION          |

| Trace Organics Analysis        |                             |                      |                      |
|--------------------------------|-----------------------------|----------------------|----------------------|
| Parameter                      | AGAT S.O.P.                 | Analytical Reference | Analytical Technique |
| Benzene                        | ORG-170-5110/5140/5430/5440 | EPA SW-846 8260      | GC/MS                |
| Toluene                        | ORG-170-5110/5140/5430/5440 | EPA SW-846 8260      | GC/MS                |
| Ethylbenzene                   | ORG-170-5110/5140/5430/5440 | EPA SW-846 8260      | GC/MS                |
| Xylenes                        | ORG-170-5110/5140/5430/5440 | EPA SW-846 8260      | GC/MS                |
| C6 - C10 (F1)                  | ORG-170-5110/5140/5430/5440 | CCME Tier 1 Method   | GC/FID               |
| C6 - C10 (F1 minus BTEX)       | ORG-170-5110/5140/5430/5440 | CCME Tier 1 Method   | GC/FID               |
| C10 - C16 (F2)                 | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |
| C16 - C34 (F3)                 | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |
| C34 - C50 (F4)                 | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |
| Gravimetric Heavy Hydrocarbons | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |
| Moisture Content               | LAB-175-4002                | CCME Tier 1 Method   | GRAVIMETRIC          |
| Toluene-d8 (BTEX)              | ORG-170-5110/5140/5430/5440 | EPA SW-846 8260-S    | GC/MS                |
| o-Terphenyl (F2-F4)            | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |

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# Method Summary

AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910  
Sampling Location: N/A  
Attention To: Sheryl Akpan  
Sampled By: N/A

2910 12th Street NE  
Calgary, Alberta, Canada T2E 7P7  
Tel 403.735.2005  
agatlabs.com

| Parameter                | AGAT S.O.P.                 | Analytical Reference | Analytical Technique |
|--------------------------|-----------------------------|----------------------|----------------------|
| Benzene                  | ORG-170-5110/5140/5430/5440 | EPA SW846 8260       | GC/MS                |
| Toluene                  | ORG-170-5110/5140/5430/5440 | EPA SW846 8260       | GC/MS                |
| Ethylbenzene             | ORG-170-5110/5140/5430/5440 | EPA SW846 8260       | GC/MS                |
| Xylenes                  | ORG-170-5110/5140/5430/5440 | EPA SW846 8260       | CALC                 |
| C6 - C10 (F1 minus BTEX) | ORG-170-5110/5140/5430/5440 | CCME Tier 1 Method   | CALC                 |
| C>10 - C16 (F2)          | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |
| C>16 - C34 (F3)          | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |
| C>34 - C50 (F4)          | ORG-170-5120/5300           | CCME Tier 1 Method   | GC/FID               |
| Toluene-d8 (BTEX)        | ORG-170-5110/5140/5430/5440 | EPA SW846 8260-W     | GC/MS                |
| Sediment                 | ORG-170-5300, 170-5120      | CCME Tier 1 Method   | GC/FID               |

| Water Analysis             |                     |                         |                      |
|----------------------------|---------------------|-------------------------|----------------------|
| Parameter                  | AGAT S.O.P.         | Analytical Reference    | Analytical Technique |
| pH                         | INOR-171-6205       | SM 4500 H+              | PH METER             |
| p - Alkalinity (as CaCO3)  | INOR-171-6205       | SM 2320 B               | TITRATION            |
| T - Alkalinity (as CaCO3)  | INOR-171-6205       | SM 2320 B               | TITRATION            |
| Bicarbonate                | INOR-171-6205       | SM 2320 B               | PC TITRATE           |
| Carbonate                  | INOR-171-6205       | SM 2320 B               | PC TITRATE           |
| Hydroxide                  | INOR-171-6205       | SM 2320 B               | TITRATION            |
| Electrical Conductivity    | INOR-171-6205       | SM 2510 B               | CONDUCTIVITY METER   |
| Fluoride                   | INST 0150           | SM 4110 B               | ION CHROMATOGRAPH    |
| Chloride                   | INOR-171-6200       | SM 4110 B               | ION CHROMATOGRAPH    |
| Nitrite                    | INST 0150           | SM 4110 B               | ION CHROMATOGRAPH    |
| Nitrite-N                  | INST 0150           | SM 4110 B               | ION CHROMATOGRAPH    |
| Nitrate                    | INOR-171-6200       | SM 4110 B               | ION CHROMATOGRAPH    |
| Nitrate-N                  | INST 0150           | SM 4110 B               | ION CHROMATOGRAPH    |
| Nitrate+Nitrite - Nitrogen | INOR-171-6200       | SM 4110 B               | ION CHROMATOGRAPH    |
| Sulfate                    | INOR-171-6200       | SM 4110 B               | ION CHROMATOGRAPH    |
| Dissolved Calcium          | INOR-171-6201, 6223 | SM 3120 B               | ICP/OES              |
| Dissolved Magnesium        | INOR-171-6201, 6223 | SM 3120 B               | ICP/OES              |
| Dissolved Sodium           | INOR-171-6201, 6223 | SM 3120 B               | ICP/OES              |
| Dissolved Potassium        | INOR-171-6201, 6223 | SM 3120 B               | ICP/OES              |
| Dissolved Iron             | INOR-171-6201, 6223 | SM 3120 B               | ICP/OES              |
| Dissolved Manganese        | INOR-171-6201, 6223 | SM 3120 B               | ICP/OES              |
| Calculated TDS             |                     | SM 1030E                | CALCULATION          |
| Sodium Adsorption Ratio    |                     | CARTER & GREGORICH 2007 | ICP/OES              |
| Hardness                   |                     | SM 3120 B               | ICP/OES              |
| Ion Balance                |                     | SM 1030E                | CALCULATION          |

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# Accreditations and Associations

AGAT Work Order: 25C236796

Project: TEST

Client Name: AGAT 2910

Sampling Location: N/A

Attention To: Sheryl Akpan

Sampled By: N/A

2910 12th Street NE

Calgary, Alberta, Canada T2E 7P7

Tel 403.735.2005

agatlabs.com

## Accreditations

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- Standards Council of Canada (SCC)
- Canadian Association for Laboratory Accreditation (CALA)
- Canadian Council of Independent Laboratories (CCIL)
- American Association for Laboratory Accreditation (A2LA)
- ANSI National Accreditation Board (ANAB)
- Arizona Department of Health Services (ADHS) - Tempe AZ0851 / AZR000526095, Calgary 2910 AZ0845 / CN00931, Calgary 2420 AZ0843 / CN00932, Mississauga Coopers AZ0847 / CN00929, Mississauga McAdam AZ0848 / CN00930
- Ministère de l'Environnement, de la Lutte contre les changements climatiques, de la Faune et des Parcs du Québec (MELCCFP)
- Ontario Ministry of the Environment, Conservation and Parks (MECP)
- New York State Department of Health (NYS DOH)

The tests on this report may not necessarily be included on the scope of accreditation, which are available at the websites for the individual organizations listed above, or linked on our Accreditations page.

<https://agatlabs.com/about/quality-accreditation/accreditation/>

## Associations

As a leader in science and technology, AGAT Laboratories is proud to hold a number of professional partnerships with key industry organizations and associations. Following is a list of just some of the organizations with which we are currently involved. Association memberships may be limited to specific locations and/or personnel. Please contact AGAT Laboratories for specifics regarding association memberships.

- Association des firmes de génie-conseil du Québec (AFG)
- Association of Professional Engineers and Geoscientists of Alberta (APEGA)
- Association Québécois de Vérification Environnementale (AQVE)
- British Columbia Environmental Industry Association (BCEIA)
- Canadian Energy Geoscience Association (CEGA)
- Canadian Land Reclamation Association (CLRA)
- Conseil des entreprises en technologies environnementales du Québec (CETEQ)
- Conseil Patronal de l'Environnement du Québec (CPEQ)
- Energy NL
- Environmental Services Association of Alberta (ESAA)/ Environmental Services Association Maritimes (ESAM)
- Ontario Environmental Industry Association (ONEIA)
- Réseau Environnement
- The NELAC Institute (TNI)

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