

**Metals**

- 2a -

**INITIAL AND CONTINUING CALIBRATION VERIFICATION**

**Client:** Ardmore Chemical **SDG No.:** P5192  
**Contract:** ARDM01 **Lab Code:** CHEM **Case No.:** P5192 **SAS No.:** P5192  
**Initial Calibration Source:** EPA  
**Continuing Calibration Source:** PLASMA-PURE

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| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M  | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| ICV14     | Mercury | 4.03           | 4.0        | 101           | 95 - 105                  | CV | 12/10/2024       | 10:09            | LB133852      |

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|-----------|---------|----------------|------------|---------------|---------------------------|----|------------------|------------------|---------------|
| CCV10     | Mercury | 5.46           | 5.0        | 109           | 90 - 110                  | CV | 12/10/2024       | 10:29            | LB133852      |
| CCV11     | Mercury | 4.69           | 5.0        | 94            | 90 - 110                  | CV | 12/10/2024       | 11:26            | LB133852      |
| CCV12     | Mercury | 5.35           | 5.0        | 107           | 90 - 110                  | CV | 12/10/2024       | 11:44            | LB133852      |

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|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| ICV01     | Cadmium | 502            | 510        | 98            | 95 - 105                  | P | 12/20/2024       | 16:07            | LB134054      |
|           | Copper  | 522            | 510        | 102           | 95 - 105                  | P | 12/20/2024       | 16:07            | LB134054      |
|           | Lead    | 1000           | 1000       | 100           | 95 - 105                  | P | 12/20/2024       | 16:07            | LB134054      |
|           | Nickel  | 510            | 530        | 96            | 95 - 105                  | P | 12/20/2024       | 16:07            | LB134054      |
|           | Zinc    | 1010           | 1000       | 101           | 95 - 105                  | P | 12/20/2024       | 16:07            | LB134054      |

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|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| LLICV01   | Cadmium | 5.80           | 6.0        | 97            | 80 - 120                  | P | 12/20/2024       | 16:11            | LB134054      |
|           | Copper  | 21.8           | 20.0       | 109           | 80 - 120                  | P | 12/20/2024       | 16:11            | LB134054      |
|           | Lead    | 12.1           | 12.0       | 101           | 80 - 120                  | P | 12/20/2024       | 16:11            | LB134054      |
|           | Nickel  | 38.9           | 40.0       | 97            | 80 - 120                  | P | 12/20/2024       | 16:11            | LB134054      |
|           | Zinc    | 38.9           | 40.0       | 97            | 80 - 120                  | P | 12/20/2024       | 16:11            | LB134054      |

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**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result<br>ug/L | True Value | %<br>Recovery | Acceptance<br>Window (%R) | M | Analysis<br>Date | Analysis<br>Time | Run<br>Number |
|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV01     | Cadmium | 2420           | 2500       | 97            | 90 - 110                  | P | 12/20/2024       | 16:47            | LB134054      |
|           | Copper  | 1220           | 1250       | 97            | 90 - 110                  | P | 12/20/2024       | 16:47            | LB134054      |
|           | Lead    | 4830           | 5000       | 96            | 90 - 110                  | P | 12/20/2024       | 16:47            | LB134054      |
|           | Nickel  | 2410           | 2500       | 96            | 90 - 110                  | P | 12/20/2024       | 16:47            | LB134054      |
|           | Zinc    | 2440           | 2500       | 98            | 90 - 110                  | P | 12/20/2024       | 16:47            | LB134054      |
| CCV02     | Cadmium | 2490           | 2500       | 100           | 90 - 110                  | P | 12/20/2024       | 17:29            | LB134054      |
|           | Copper  | 1260           | 1250       | 101           | 90 - 110                  | P | 12/20/2024       | 17:29            | LB134054      |
|           | Lead    | 4970           | 5000       | 99            | 90 - 110                  | P | 12/20/2024       | 17:29            | LB134054      |
|           | Nickel  | 2480           | 2500       | 99            | 90 - 110                  | P | 12/20/2024       | 17:29            | LB134054      |
|           | Zinc    | 2500           | 2500       | 100           | 90 - 110                  | P | 12/20/2024       | 17:29            | LB134054      |
| CCV03     | Cadmium | 2480           | 2500       | 99            | 90 - 110                  | P | 12/20/2024       | 18:12            | LB134054      |
|           | Copper  | 1250           | 1250       | 100           | 90 - 110                  | P | 12/20/2024       | 18:12            | LB134054      |
|           | Lead    | 4950           | 5000       | 99            | 90 - 110                  | P | 12/20/2024       | 18:12            | LB134054      |
|           | Nickel  | 2480           | 2500       | 99            | 90 - 110                  | P | 12/20/2024       | 18:12            | LB134054      |
|           | Zinc    | 2500           | 2500       | 100           | 90 - 110                  | P | 12/20/2024       | 18:12            | LB134054      |
| CCV04     | Cadmium | 2440           | 2500       | 98            | 90 - 110                  | P | 12/20/2024       | 19:02            | LB134054      |
|           | Copper  | 1240           | 1250       | 99            | 90 - 110                  | P | 12/20/2024       | 19:02            | LB134054      |
|           | Lead    | 4890           | 5000       | 98            | 90 - 110                  | P | 12/20/2024       | 19:02            | LB134054      |
|           | Nickel  | 2440           | 2500       | 98            | 90 - 110                  | P | 12/20/2024       | 19:02            | LB134054      |
|           | Zinc    | 2470           | 2500       | 99            | 90 - 110                  | P | 12/20/2024       | 19:02            | LB134054      |
| CCV05     | Cadmium | 2510           | 2500       | 100           | 90 - 110                  | P | 12/20/2024       | 19:57            | LB134054      |
|           | Copper  | 1270           | 1250       | 102           | 90 - 110                  | P | 12/20/2024       | 19:57            | LB134054      |
|           | Lead    | 5020           | 5000       | 100           | 90 - 110                  | P | 12/20/2024       | 19:57            | LB134054      |
|           | Nickel  | 2510           | 2500       | 100           | 90 - 110                  | P | 12/20/2024       | 19:57            | LB134054      |
|           | Zinc    | 2520           | 2500       | 101           | 90 - 110                  | P | 12/20/2024       | 19:57            | LB134054      |
| CCV06     | Cadmium | 2410           | 2500       | 96            | 90 - 110                  | P | 12/20/2024       | 20:47            | LB134054      |
|           | Copper  | 1220           | 1250       | 98            | 90 - 110                  | P | 12/20/2024       | 20:47            | LB134054      |
|           | Lead    | 4800           | 5000       | 96            | 90 - 110                  | P | 12/20/2024       | 20:47            | LB134054      |
|           | Nickel  | 2400           | 2500       | 96            | 90 - 110                  | P | 12/20/2024       | 20:47            | LB134054      |
|           | Zinc    | 2420           | 2500       | 97            | 90 - 110                  | P | 12/20/2024       | 20:47            | LB134054      |
| CCV07     | Cadmium | 2430           | 2500       | 97            | 90 - 110                  | P | 12/20/2024       | 21:37            | LB134054      |
|           | Copper  | 1230           | 1250       | 99            | 90 - 110                  | P | 12/20/2024       | 21:37            | LB134054      |
|           | Lead    | 4860           | 5000       | 97            | 90 - 110                  | P | 12/20/2024       | 21:37            | LB134054      |
|           | Nickel  | 2430           | 2500       | 97            | 90 - 110                  | P | 12/20/2024       | 21:37            | LB134054      |

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|-----------|---------|----------------|------------|---------------|---------------------------|---|------------------|------------------|---------------|
| CCV07     | Zinc    | 2460           | 2500       | 98            | 90 - 110                  | P | 12/20/2024       | 21:37            | LB134054      |
| CCV08     | Cadmium | 2480           | 2500       | 99            | 90 - 110                  | P | 12/20/2024       | 23:01            | LB134054      |
|           | Copper  | 1260           | 1250       | 101           | 90 - 110                  | P | 12/20/2024       | 23:01            | LB134054      |
|           | Lead    | 4960           | 5000       | 99            | 90 - 110                  | P | 12/20/2024       | 23:01            | LB134054      |
|           | Nickel  | 2480           | 2500       | 99            | 90 - 110                  | P | 12/20/2024       | 23:01            | LB134054      |
|           | Zinc    | 2480           | 2500       | 99            | 90 - 110                  | P | 12/20/2024       | 23:01            | LB134054      |
| CCV09     | Cadmium | 2450           | 2500       | 98            | 90 - 110                  | P | 12/20/2024       | 23:55            | LB134054      |
|           | Copper  | 1250           | 1250       | 100           | 90 - 110                  | P | 12/20/2024       | 23:55            | LB134054      |
|           | Lead    | 4900           | 5000       | 98            | 90 - 110                  | P | 12/20/2024       | 23:55            | LB134054      |
|           | Nickel  | 2450           | 2500       | 98            | 90 - 110                  | P | 12/20/2024       | 23:55            | LB134054      |
|           | Zinc    | 2460           | 2500       | 98            | 90 - 110                  | P | 12/20/2024       | 23:55            | LB134054      |