284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

# DATA PACKAGE

GENERAL CHEMISTRY
METALS

**PROJECT NAME : HOUSTON POWDER COATERS**

**RSB ENVIRONMENTAL**

**6001 Savoy Dr.**

**Ste. 110**

**Houston, TX - 77036**

**Phone No: 832.384.9475**

**ORDER ID : P4673**

**ATTENTION : Efrain Trejo**

**Laboratory Certification ID # 20012**

Table Of Contents for P4673

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# Cover Page

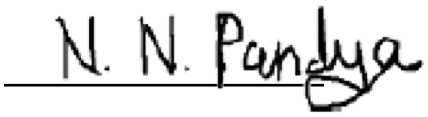
**Order ID :** P4673

**Project ID :** Houston Powder Coaters

**Client :** RSB Environmental

| Lab Sample Number | Client Sample Number |
|---|---|
| P4673-01 | OUTFALL-001 |
| P4673-02 | OUTFALL-002 |
| P4673-03 | OUTFALL-003 |
| P4673-04 | OUTFALL-004 |
| P4673-05 | OUTFALL-005 |
| P4673-06 | OUTFALL-006 |
| P4673-07 | OUTFALL-007 |

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : 

**APPROVED**

Date: 11/13/2024

*By Nimisha Pandya, QA/QC Supervisor at 3:10 pm, Nov 13, 2024*

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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# CASE NARRATIVE

**RSB Environmental**
**Project Name: Houston Powder Coaters**
**Project # N/A**
**Chemtech Project # P4673**
**Test Name: Metals ICP-Group1,Mercury**

**A. Number of Samples and Date of Receipt:**
7 Water samples were received on 11/01/2024.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Anions Group1, Mercury, Metals Group1 and Metals ICP-Group1. This data package contains results for Metals ICP-Group1,Mercury.

**C. Analytical Techniques:**
The analysis of Metals ICP-Group1 was based on method 6010D, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (102324-AMS) analysis met criteria for all samples except for Mercury due to matrix interference.
The Matrix Spike (OUTFALL-007MS) analysis met criteria for all samples except for Barium, Zinc due to matrix interference..
The Matrix Spike Duplicate (102324-AMSD) analysis met criteria for all samples except for Mercury due to matrix interference..
The Matrix Spike Duplicate (OUTFALL-007MSD) analysis met criteria for all samples except for Barium, Zinc due to matrix interference..
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

**APPROVED**

*By Nimisha Pandya, QA/QC Supervisor at 3:11 pm, Nov 13, 2024*

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# CASE NARRATIVE

**RSB Environmental**
**Project Name: Houston Powder Coaters**
**Project # N/A**
**Chemtech Project # P4673**
**Test Name: Anions Group1**

**A. Number of Samples and Date of Receipt:**
7 Water samples were received on 11/01/2024.

**B. Parameters:**
According to the Chain of Custody document, the following analyses were requested: Anions Group1, Mercury, Metals Group1 and Metals ICP-Group1. This data package contains results for Anions Group1.

**C. Analytical Techniques:**
The analysis of Anions Group1 was based on method 300.0.

**D. QA/ QC Samples:**
The Holding Times were met for all analysis.
The Blank Spike met requirements for all samples.
The Duplicate analysis met criteria for all samples.
The Matrix Spike (OUTFALL-001MS) analysis met criteria for all samples except for Nitrite due to matrix interference.
The Matrix Spike Duplicate (OUTFALL-001MSD) analysis met criteria for all samples except for Nitrite due to matrix interference.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

**E. Additional Comments:**

---

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature N. N. Pandya

**APPROVED**
*By Nimisha Pandya, QA/QC Supervisor at 3:11 pm, Nov 13, 2024*

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# DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| **J** | Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL). |
| **U** | Indicates the analyte was analyzed for, but not detected. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **E** | Indicates the reported value is estimated because of the presence of interference |
| **M** | Indicates Duplicate injection precision not met. |
| **N** | Indicates the spiked sample recovery is not within control limits. |
| **S** | Indicates the reported value was determined by the Method of Standard Addition (MSA). |
| * | Indicates that the duplicate analysis is not within control limits. |
| + | Indicates the correlation coefficient for the MSA is less than 0.995. |
| **D** | Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range. |
| **M** | Method qualifiers<br>**"P"** for ICP instrument<br>**"PM"** for ICP when Microwave Digestion is used<br>**"CV"** for Manual Cold Vapor AA<br>**"AV"** for automated Cold Vapor AA<br>**"CA"** for MIDI-Distillation Spectrophotometric<br>**"AS"** for Semi –Automated Spectrophotometric<br>**"C"** for Manual Spectrophotometric<br>**"T"** for Titrimetric<br>**"NR"** for analyte not required to be analyzed |
| **OR** | Indicates the analyte's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **Q** | Indicates the LCS did not meet the control limits requirements |
| H | Sample Analysis Out Of Hold Time |

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## APPENDIX A

## QA REVIEW GENERAL DOCUMENTATION

**Project #:** **P4673**

| | Completed |
|---|---|
| **For thorough review, the report must have the following:** | |
| **GENERAL:** | |
| **Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)** | ✓ |
| **Check chain-of-custody for proper relinquish/return of samples** | ✓ |
| **Is the chain of custody signed and complete** | ✓ |
| **Check internal chain-of-custody for proper relinquish/return of samples /sample extracts** | ✓ |
| **Collect information for each project id from server. Were all requirements followed** | ✓ |
| **COVER PAGE:** | |
| **Do numbers of samples correspond to the number of samples in the Chain of Custody on login page** | ✓ |
| **Do lab numbers and client Ids on cover page agree with the Chain of Custody** | ✓ |
| **CHAIN OF CUSTODY:** | |
| **Do requested analyses on Chain of Custody agree with form I results** | ✓ |
| **Do requested analyses on Chain of Custody agree with the log-in page** | ✓ |
| **Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody** | ✓ |
| **Were the samples received within hold time** | ✓ |
| **Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle** | ✓ |
| **ANALYTICAL:** | |
| **Was method requirement followed?** | ✓ |
| **Was client requirement followed?** | ✓ |
| **Does the case narrative summarize all QC failure?** | ✓ |
| **All runlogs and manual integration are reviewed for requirements** | ✓ |
| **All manual calculations and /or hand notations verified** | ✓ |

**QA Review Signature:** **SOHIL JODHANI** **Date:** **11/13/2024**

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P4673 | **OrderDate:** | 11/1/2024 11:12:30 AM |
| **Client:** | RSB Environmental | **Project:** | Houston Powder Coaters |
| **Contact:** | Efrain Trejo | **Location:** | K51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P4673-01** | **OUTFALL-001** | **Water** | | | **10/31/24** | | | **11/01/24** |
| | | | Mercury | 7470A | | 11/05/24 | 11/05/24 | |
| | | | Metals ICP-Group1 | 6010D | | 11/04/24 | 11/06/24 | |
| **P4673-02** | **OUTFALL-002** | **Water** | | | **10/31/24** | | | **11/01/24** |
| | | | Mercury | 7470A | | 11/05/24 | 11/05/24 | |
| | | | Metals ICP-Group1 | 6010D | | 11/04/24 | 11/06/24 | |
| **P4673-03** | **OUTFALL-003** | **Water** | | | **10/31/24** | | | **11/01/24** |
| | | | Mercury | 7470A | | 11/05/24 | 11/05/24 | |
| | | | Metals ICP-Group1 | 6010D | | 11/04/24 | 11/06/24 | |
| **P4673-04** | **OUTFALL-004** | **Water** | | | **10/31/24** | | | **11/01/24** |
| | | | Mercury | 7470A | | 11/05/24 | 11/05/24 | |
| | | | Metals ICP-Group1 | 6010D | | 11/04/24 | 11/06/24 | |
| **P4673-05** | **OUTFALL-005** | **Water** | | | **10/31/24** | | | **11/01/24** |
| | | | Mercury | 7470A | | 11/05/24 | 11/05/24 | |
| | | | Metals ICP-Group1 | 6010D | | 11/04/24 | 11/06/24 | |
| **P4673-06** | **OUTFALL-006** | **Water** | | | **10/31/24** | | | **11/01/24** |
| | | | Mercury | 7470A | | 11/05/24 | 11/05/24 | |
| | | | Metals ICP-Group1 | 6010D | | 11/04/24 | 11/06/24 | |
| **P4673-07** | **OUTFALL-007** | **Water** | | | **10/31/24** | | | **11/01/24** |
| | | | Mercury | 7470A | | 11/05/24 | 11/05/24 | |
| | | | Metals ICP-Group1 | 6010D | | 11/04/24 | 11/06/24 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4673 **Order ID:** P4673

**Client:** RSB Environmental **Project ID:** Houston Powder Coaters

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| **Client ID : OUTFALL-001** | | | | | | | | |
| P4673-01 | OUTFALL-001 | Water | Barium | 845 | | 6.28 | 50.0 | ug/L |
| P4673-01 | OUTFALL-001 | Water | Cadmium | 0.13 | J | 0.094 | 3.00 | ug/L |
| P4673-01 | OUTFALL-001 | Water | Chromium | 14.8 | | 0.66 | 5.00 | ug/L |
| P4673-01 | OUTFALL-001 | Water | Copper | 22.9 | | 7.07 | 10.0 | ug/L |
| P4673-01 | OUTFALL-001 | Water | Manganese | 77.8 | | 1.46 | 10.0 | ug/L |
| P4673-01 | OUTFALL-001 | Water | Mercury | 0.13 | J | 0.081 | 0.20 | ug/L |
| P4673-01 | OUTFALL-001 | Water | Nickel | 5.54 | J | 0.85 | 20.0 | ug/L |
| P4673-01 | OUTFALL-001 | Water | Zinc | 628 | | 1.75 | 20.0 | ug/L |
| **Client ID : OUTFALL-002** | | | | | | | | |
| P4673-02 | OUTFALL-002 | Water | Barium | 762 | | 6.28 | 50.0 | ug/L |
| P4673-02 | OUTFALL-002 | Water | Chromium | 40.8 | | 0.66 | 5.00 | ug/L |
| P4673-02 | OUTFALL-002 | Water | Copper | 25.8 | | 7.07 | 10.0 | ug/L |
| P4673-02 | OUTFALL-002 | Water | Manganese | 38.7 | | 1.46 | 10.0 | ug/L |
| P4673-02 | OUTFALL-002 | Water | Nickel | 3.68 | J | 0.85 | 20.0 | ug/L |
| P4673-02 | OUTFALL-002 | Water | Zinc | 616 | | 1.75 | 20.0 | ug/L |
| **Client ID : OUTFALL-003** | | | | | | | | |
| P4673-03 | OUTFALL-003 | Water | Barium | 201 | | 6.28 | 50.0 | ug/L |
| P4673-03 | OUTFALL-003 | Water | Chromium | 26.8 | | 0.66 | 5.00 | ug/L |
| P4673-03 | OUTFALL-003 | Water | Copper | 25.5 | | 7.07 | 10.0 | ug/L |
| P4673-03 | OUTFALL-003 | Water | Manganese | 56.3 | | 1.46 | 10.0 | ug/L |
| P4673-03 | OUTFALL-003 | Water | Nickel | 6.39 | J | 0.85 | 20.0 | ug/L |
| P4673-03 | OUTFALL-003 | Water | Zinc | 436 | | 1.75 | 20.0 | ug/L |
| **Client ID : OUTFALL-004** | | | | | | | | |
| P4673-04 | OUTFALL-004 | Water | Barium | 296 | | 6.28 | 50.0 | ug/L |
| P4673-04 | OUTFALL-004 | Water | Chromium | 15.8 | | 0.66 | 5.00 | ug/L |
| P4673-04 | OUTFALL-004 | Water | Copper | 15.7 | | 7.07 | 10.0 | ug/L |
| P4673-04 | OUTFALL-004 | Water | Manganese | 36.2 | | 1.46 | 10.0 | ug/L |
| P4673-04 | OUTFALL-004 | Water | Nickel | 8.37 | J | 0.85 | 20.0 | ug/L |
| P4673-04 | OUTFALL-004 | Water | Zinc | 409 | | 1.75 | 20.0 | ug/L |
| **Client ID : OUTFALL-005** | | | | | | | | |
| P4673-05 | OUTFALL-005 | Water | Barium | 386 | | 6.28 | 50.0 | ug/L |
| P4673-05 | OUTFALL-005 | Water | Chromium | 13.0 | | 0.66 | 5.00 | ug/L |
| P4673-05 | OUTFALL-005 | Water | Copper | 18.1 | | 7.07 | 10.0 | ug/L |
| P4673-05 | OUTFALL-005 | Water | Manganese | 36.0 | | 1.46 | 10.0 | ug/L |
| P4673-05 | OUTFALL-005 | Water | Nickel | 3.25 | J | 0.85 | 20.0 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** P4673 **Order ID:** P4673

**Client:** RSB Environmental **Project ID:** Houston Powder Coaters

| Sample ID | Client ID | Matrix | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| P4673-05 | OUTFALL-005 | Water | Zinc | 639 | | 1.75 | 20.0 | ug/L |
| **Client ID :** | **OUTFALL-006** | | | | | | | |
| P4673-06 | OUTFALL-006 | Water | Barium | 1290 | | 6.28 | 50.0 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Cadmium | 1.09 | J | 0.094 | 3.00 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Chromium | 61.0 | | 0.66 | 5.00 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Copper | 58.8 | | 7.07 | 10.0 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Lead | 14.0 | | 3.51 | 6.00 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Manganese | 213 | | 1.46 | 10.0 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Mercury | 0.092 | J | 0.081 | 0.20 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Nickel | 19.5 | J | 0.85 | 20.0 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Silver | 0.60 | J | 0.58 | 5.00 | ug/L |
| P4673-06 | OUTFALL-006 | Water | Zinc | 2670 | | 1.75 | 20.0 | ug/L |
| **Client ID :** | **OUTFALL-007** | | | | | | | |
| P4673-07 | OUTFALL-007 | Water | Barium | 248 | | 6.28 | 50.0 | ug/L |
| P4673-07 | OUTFALL-007 | Water | Chromium | 21.1 | | 0.66 | 5.00 | ug/L |
| P4673-07 | OUTFALL-007 | Water | Copper | 14.2 | | 7.07 | 10.0 | ug/L |
| P4673-07 | OUTFALL-007 | Water | Manganese | 26.8 | | 1.46 | 10.0 | ug/L |
| P4673-07 | OUTFALL-007 | Water | Nickel | 2.30 | J | 0.85 | 20.0 | ug/L |
| P4673-07 | OUTFALL-007 | Water | Zinc | 286 | | 1.75 | 20.0 | ug/L |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-001 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-01 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.48 | U | 1 | 3.48 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7440-39-3 | Barium | 845 | N | 1 | 6.28 | 50.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7440-43-9 | Cadmium | 0.13 | J | 1 | 0.094 | 3.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7440-47-3 | Chromium | 14.8 | | 1 | 0.66 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7440-50-8 | Copper | 22.9 | | 1 | 7.07 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7439-92-1 | Lead | 3.51 | U | 1 | 3.51 | 6.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7439-96-5 | Manganese | 77.8 | | 1 | 1.46 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7439-97-6 | Mercury | 0.13 | JN | 1 | 0.081 | 0.20 | ug/L | 11/05/24 11:23 | 11/05/24 14:01 | SW7470A | |
| 7440-02-0 | Nickel | 5.54 | J | 1 | 0.85 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7782-49-2 | Selenium | 5.88 | U | 1 | 5.88 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7440-22-4 | Silver | 0.58 | U | 1 | 0.58 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |
| 7440-66-6 | Zinc | 628 | N | 1 | 1.75 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:09 | SW6010 | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group1 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-002 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-02 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.48 | U | 1 | 3.48 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7440-39-3 | Barium | 762 | N | 1 | 6.28 | 50.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7440-43-9 | Cadmium | 0.094 | U | 1 | 0.094 | 3.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7440-47-3 | Chromium | 40.8 | | 1 | 0.66 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7440-50-8 | Copper | 25.8 | | 1 | 7.07 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7439-92-1 | Lead | 3.51 | U | 1 | 3.51 | 6.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7439-96-5 | Manganese | 38.7 | | 1 | 1.46 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7439-97-6 | Mercury | 0.081 | UN | 1 | 0.081 | 0.20 | ug/L | 11/05/24 11:23 | 11/05/24 14:04 | SW7470A | |
| 7440-02-0 | Nickel | 3.68 | J | 1 | 0.85 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7782-49-2 | Selenium | 5.88 | U | 1 | 5.88 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7440-22-4 | Silver | 0.58 | U | 1 | 0.58 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |
| 7440-66-6 | Zinc | 616 | N | 1 | 1.75 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:13 | SW6010 | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group1 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Fax : 908 789 8922



# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-003 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-03 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.48 | U | 1 | 3.48 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7440-39-3 | Barium | 201 | N | 1 | 6.28 | 50.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7440-43-9 | Cadmium | 0.094 | U | 1 | 0.094 | 3.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7440-47-3 | Chromium | 26.8 | | 1 | 0.66 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7440-50-8 | Copper | 25.5 | | 1 | 7.07 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7439-92-1 | Lead | 3.51 | U | 1 | 3.51 | 6.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7439-96-5 | Manganese | 56.3 | | 1 | 1.46 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7439-97-6 | Mercury | 0.081 | UN | 1 | 0.081 | 0.20 | ug/L | 11/05/24 11:23 | 11/05/24 14:06 | SW7470A | |
| 7440-02-0 | Nickel | 6.39 | J | 1 | 0.85 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7782-49-2 | Selenium | 5.88 | U | 1 | 5.88 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7440-22-4 | Silver | 0.58 | U | 1 | 0.58 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |
| 7440-66-6 | Zinc | 436 | N | 1 | 1.75 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:18 | SW6010 | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group1 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-004 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-04 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.48 | U | 1 | 3.48 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7440-39-3 | Barium | 296 | N | 1 | 6.28 | 50.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7440-43-9 | Cadmium | 0.094 | U | 1 | 0.094 | 3.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7440-47-3 | Chromium | 15.8 | | 1 | 0.66 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7440-50-8 | Copper | 15.7 | | 1 | 7.07 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7439-92-1 | Lead | 3.51 | U | 1 | 3.51 | 6.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7439-96-5 | Manganese | 36.2 | | 1 | 1.46 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7439-97-6 | Mercury | 0.081 | UN | 1 | 0.081 | 0.20 | ug/L | 11/05/24 11:23 | 11/05/24 14:13 | SW7470A | |
| 7440-02-0 | Nickel | 8.37 | J | 1 | 0.85 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7782-49-2 | Selenium | 5.88 | U | 1 | 5.88 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7440-22-4 | Silver | 0.58 | U | 1 | 0.58 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |
| 7440-66-6 | Zinc | 409 | N | 1 | 1.75 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:31 | SW6010 | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group1 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-005 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-05 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.48 | U | 1 | 3.48 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7440-39-3 | Barium | 386 | N | 1 | 6.28 | 50.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7440-43-9 | Cadmium | 0.094 | U | 1 | 0.094 | 3.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7440-47-3 | Chromium | 13.0 | | 1 | 0.66 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7440-50-8 | Copper | 18.1 | | 1 | 7.07 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7439-92-1 | Lead | 3.51 | U | 1 | 3.51 | 6.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7439-96-5 | Manganese | 36.0 | | 1 | 1.46 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7439-97-6 | Mercury | 0.081 | UN | 1 | 0.081 | 0.20 | ug/L | 11/05/24 11:23 | 11/05/24 14:15 | SW7470A | |
| 7440-02-0 | Nickel | 3.25 | J | 1 | 0.85 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7782-49-2 | Selenium | 5.88 | U | 1 | 5.88 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7440-22-4 | Silver | 0.58 | U | 1 | 0.58 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |
| 7440-66-6 | Zinc | 639 | N | 1 | 1.75 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:35 | SW6010 | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group1 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-006 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-06 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.48 | U | 1 | 3.48 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7440-39-3 | Barium | 1290 | N | 1 | 6.28 | 50.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7440-43-9 | Cadmium | 1.09 | J | 1 | 0.094 | 3.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7440-47-3 | Chromium | 61.0 | | 1 | 0.66 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7440-50-8 | Copper | 58.8 | | 1 | 7.07 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7439-92-1 | Lead | 14.0 | | 1 | 3.51 | 6.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7439-96-5 | Manganese | 213 | | 1 | 1.46 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7439-97-6 | Mercury | 0.092 | JN | 1 | 0.081 | 0.20 | ug/L | 11/05/24 11:23 | 11/05/24 14:17 | SW7470A | |
| 7440-02-0 | Nickel | 19.5 | J | 1 | 0.85 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7782-49-2 | Selenium | 5.88 | U | 1 | 5.88 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7440-22-4 | Silver | 0.60 | J | 1 | 0.58 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |
| 7440-66-6 | Zinc | 2670 | N | 1 | 1.75 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:39 | SW6010 | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Black | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group1 | | | | |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
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N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-007 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-07 | Matrix: | Water |
| Level (low/med): | low | % Solid: | 0 |

| Cas | Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. | Prep Met. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 7440-38-2 | Arsenic | 3.48 | U | 1 | 3.48 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7440-39-3 | Barium | 248 | N | 1 | 6.28 | 50.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7440-43-9 | Cadmium | 0.094 | U | 1 | 0.094 | 3.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7440-47-3 | Chromium | 21.1 | | 1 | 0.66 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7440-50-8 | Copper | 14.2 | | 1 | 7.07 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7439-92-1 | Lead | 3.51 | U | 1 | 3.51 | 6.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7439-96-5 | Manganese | 26.8 | | 1 | 1.46 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7439-97-6 | Mercury | 0.081 | UN | 1 | 0.081 | 0.20 | ug/L | 11/05/24 11:23 | 11/05/24 14:20 | SW7470A | |
| 7440-02-0 | Nickel | 2.30 | J | 1 | 0.85 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7782-49-2 | Selenium | 5.88 | U | 1 | 5.88 | 10.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7440-22-4 | Silver | 0.58 | U | 1 | 0.58 | 5.00 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |
| 7440-66-6 | Zinc | 286 | N | 1 | 1.75 | 20.0 | ug/L | 11/04/24 11:30 | 11/06/24 20:44 | SW6010 | SW3010 |

| | | | | | |
|---|---|---|---|---|---|
| Color Before: | Colorless | Clarity Before: | Clear | Texture: | |
| Color After: | Colorless | Clarity After: | Clear | Artifacts: | |
| Comments: | Metals Group1 | | | | |

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
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N =Spiked sample recovery not within control limits

# METAL CALIBRATION DATA

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICV69 | Mercury | 3.87 | 4.0 | 97 | 90 - 110 | CV | 11/05/2024 | 11:58 | LB133297 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** PLASMA-PURE

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV26 | Mercury | 4.76 | 5.0 | 95 | 90 - 110 | CV | 11/05/2024 | 12:03 | LB133297 |
| CCV27 | Mercury | 4.98 | 5.0 | 100 | 90 - 110 | CV | 11/05/2024 | 12:30 | LB133297 |
| CCV28 | Mercury | 4.94 | 5.0 | 99 | 90 - 110 | CV | 11/05/2024 | 12:57 | LB133297 |
| CCV29 | Mercury | 5.12 | 5.0 | 102 | 90 - 110 | CV | 11/05/2024 | 13:32 | LB133297 |
| CCV30 | Mercury | 5.20 | 5.0 | 104 | 90 - 110 | CV | 11/05/2024 | 14:08 | LB133297 |
| CCV31 | Mercury | 5.44 | 5.0 | 109 | 90 - 110 | CV | 11/05/2024 | 14:29 | LB133297 |
| CCV32 | Mercury | 5.11 | 5.0 | 102 | 90 - 110 | CV | 11/05/2024 | 14:42 | LB133297 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICV01 | Arsenic | 1010 | 1000 | 101 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Barium | 522 | 520 | 100 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Cadmium | 500 | 510 | 98 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Chromium | 529 | 520 | 102 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Copper | 516 | 510 | 101 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Lead | 1000 | 1000 | 100 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Manganese | 526 | 520 | 101 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Nickel | 509 | 530 | 96 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Selenium | 1010 | 1000 | 101 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Silver | 258 | 250 | 103 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |
| | Zinc | 1050 | 1000 | 104 | 90 - 110 | P | 11/06/2024 | 17:34 | LB133323 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| LLICV01 | Arsenic | 19.2 | 20.0 | 96 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Barium | 104 | 100 | 104 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Cadmium | 6.52 | 6.0 | 109 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Chromium | 9.84 | 10.0 | 98 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Copper | 21.7 | 20.0 | 108 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Lead | 12.2 | 12.0 | 102 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Manganese | 21.2 | 20.0 | 106 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Nickel | 40.6 | 40.0 | 102 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Selenium | 20.1 | 20.0 | 100 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Silver | 10.1 | 10.0 | 101 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |
| | Zinc | 44.7 | 40.0 | 112 | 80 - 120 | P | 11/06/2024 | 17:38 | LB133323 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV01 | Arsenic | 5050 | 5000 | 101 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Barium | 10300 | 10000 | 103 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Cadmium | 2500 | 2500 | 100 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Lead | 5010 | 5000 | 100 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Manganese | 2540 | 2500 | 102 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Nickel | 2500 | 2500 | 100 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Selenium | 5060 | 5000 | 101 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| | Zinc | 2470 | 2500 | 99 | 90 - 110 | P | 11/06/2024 | 18:23 | LB133323 |
| CCV02 | Arsenic | 4940 | 5000 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Barium | 10100 | 10000 | 101 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Cadmium | 2480 | 2500 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Chromium | 993 | 1000 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Copper | 1240 | 1250 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Lead | 4970 | 5000 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Manganese | 2540 | 2500 | 102 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Nickel | 2480 | 2500 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Selenium | 4960 | 5000 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Silver | 1230 | 1250 | 99 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| | Zinc | 2430 | 2500 | 97 | 90 - 110 | P | 11/06/2024 | 18:39 | LB133323 |
| CCV03 | Arsenic | 4870 | 5000 | 98 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Barium | 10100 | 10000 | 101 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Cadmium | 2450 | 2500 | 98 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Chromium | 1010 | 1000 | 100 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Copper | 1220 | 1250 | 98 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Lead | 4910 | 5000 | 98 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Manganese | 2510 | 2500 | 100 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Nickel | 2450 | 2500 | 98 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Selenium | 4880 | 5000 | 98 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Silver | 1260 | 1250 | 101 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| | Zinc | 2440 | 2500 | 98 | 90 - 110 | P | 11/06/2024 | 19:32 | LB133323 |
| CCV04 | Arsenic | 5070 | 5000 | 101 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |

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Fax : 908 789 8922



# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV04 | Barium | 10200 | 10000 | 102 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Cadmium | 2540 | 2500 | 102 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Chromium | 1010 | 1000 | 100 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Lead | 5080 | 5000 | 102 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Manganese | 2520 | 2500 | 101 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Nickel | 2540 | 2500 | 101 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Selenium | 5060 | 5000 | 101 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| | Zinc | 2450 | 2500 | 98 | 90 - 110 | P | 11/06/2024 | 20:22 | LB133323 |
| CCV05 | Arsenic | 5070 | 5000 | 102 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Barium | 10500 | 10000 | 105 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Cadmium | 2570 | 2500 | 103 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Chromium | 1030 | 1000 | 103 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Copper | 1270 | 1250 | 102 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Lead | 5120 | 5000 | 102 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Manganese | 2620 | 2500 | 105 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Nickel | 2560 | 2500 | 102 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Selenium | 5060 | 5000 | 101 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Silver | 1280 | 1250 | 102 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| | Zinc | 2500 | 2500 | 100 | 90 - 110 | P | 11/06/2024 | 21:13 | LB133323 |
| CCV06 | Arsenic | 4990 | 5000 | 100 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Barium | 10500 | 10000 | 104 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Cadmium | 2510 | 2500 | 100 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Chromium | 1010 | 1000 | 101 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Lead | 5030 | 5000 | 100 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Manganese | 2530 | 2500 | 101 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Nickel | 2510 | 2500 | 100 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Selenium | 4990 | 5000 | 100 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| | Zinc | 2270 | 2500 | 91 | 90 - 110 | P | 11/06/2024 | 22:11 | LB133323 |
| CCV07 | Arsenic | 5020 | 5000 | 100 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Barium | 10600 | 10000 | 106 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV07 | Cadmium | 2550 | 2500 | 102 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Chromium | 1040 | 1000 | 104 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Lead | 5100 | 5000 | 102 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Manganese | 2600 | 2500 | 104 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Nickel | 2550 | 2500 | 102 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Selenium | 5020 | 5000 | 100 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Silver | 1300 | 1250 | 104 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| | Zinc | 2340 | 2500 | 94 | 90 - 110 | P | 11/06/2024 | 23:03 | LB133323 |
| CCV08 | Arsenic | 4970 | 5000 | 99 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Barium | 10400 | 10000 | 104 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Cadmium | 2520 | 2500 | 101 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Chromium | 1020 | 1000 | 102 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Copper | 1240 | 1250 | 100 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Lead | 5040 | 5000 | 101 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Manganese | 2570 | 2500 | 103 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Nickel | 2510 | 2500 | 101 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Selenium | 4950 | 5000 | 99 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Silver | 1260 | 1250 | 101 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| | Zinc | 2400 | 2500 | 96 | 90 - 110 | P | 11/06/2024 | 23:59 | LB133323 |
| CCV09 | Arsenic | 4880 | 5000 | 98 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Barium | 10100 | 10000 | 101 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Cadmium | 2450 | 2500 | 98 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Chromium | 997 | 1000 | 100 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Copper | 1220 | 1250 | 98 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Lead | 4900 | 5000 | 98 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Manganese | 2510 | 2500 | 100 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Nickel | 2450 | 2500 | 98 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Selenium | 4890 | 5000 | 98 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| | Zinc | 2370 | 2500 | 95 | 90 - 110 | P | 11/07/2024 | 00:53 | LB133323 |
| CCV10 | Arsenic | 4860 | 5000 | 97 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Barium | 10100 | 10000 | 101 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Cadmium | 2660 | 2500 | 106 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV10 | Chromium | 1080 | 1000 | 108 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Copper | 1220 | 1250 | 98 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Lead | 5270 | 5000 | 105 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Manganese | 2710 | 2500 | 108 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Nickel | 2620 | 2500 | 105 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Selenium | 4770 | 5000 | 95 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Silver | 1300 | 1250 | 104 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |
| | Zinc | 2540 | 2500 | 102 | 90 - 110 | P | 11/07/2024 | 01:49 | LB133323 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICV01 | Arsenic | 1000 | 1000 | 100 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Barium | 513 | 520 | 99 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Cadmium | 497 | 510 | 97 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Chromium | 514 | 520 | 99 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Copper | 521 | 510 | 102 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Lead | 999 | 1000 | 100 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Manganese | 519 | 520 | 100 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Nickel | 509 | 530 | 96 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Selenium | 1000 | 1000 | 100 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Silver | 251 | 250 | 100 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |
| | Zinc | 1030 | 1000 | 103 | 90 - 110 | P | 11/08/2024 | 13:59 | LB133365 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| LLICV01 | Arsenic | 19.5 | 20.0 | 98 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Barium | 95.3 | 100 | 95 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Cadmium | 6.34 | 6.0 | 106 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Chromium | 9.48 | 10.0 | 95 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Copper | 22.8 | 20.0 | 114 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Lead | 11.8 | 12.0 | 99 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Manganese | 19.8 | 20.0 | 99 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Nickel | 37.8 | 40.0 | 94 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Selenium | 20.6 | 20.0 | 103 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Silver | 10.6 | 10.0 | 106 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |
| | Zinc | 42.1 | 40.0 | 105 | 80 - 120 | P | 11/08/2024 | 14:11 | LB133365 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV01 | Arsenic | 4950 | 5000 | 99 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Barium | 9530 | 10000 | 95 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Cadmium | 2390 | 2500 | 96 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Chromium | 1050 | 1000 | 105 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Lead | 4870 | 5000 | 97 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Manganese | 2370 | 2500 | 95 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Nickel | 2440 | 2500 | 97 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Selenium | 5020 | 5000 | 100 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Silver | 1230 | 1250 | 99 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| | Zinc | 2530 | 2500 | 101 | 90 - 110 | P | 11/08/2024 | 14:44 | LB133365 |
| CCV02 | Arsenic | 4950 | 5000 | 99 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Barium | 9460 | 10000 | 95 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Cadmium | 2360 | 2500 | 94 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Chromium | 918 | 1000 | 92 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Copper | 1260 | 1250 | 101 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Lead | 4800 | 5000 | 96 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Manganese | 2280 | 2500 | 91 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Nickel | 2390 | 2500 | 96 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Selenium | 5080 | 5000 | 102 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Silver | 1230 | 1250 | 98 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| | Zinc | 2520 | 2500 | 101 | 90 - 110 | P | 11/08/2024 | 15:29 | LB133365 |
| CCV03 | Arsenic | 4980 | 5000 | 100 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Barium | 9610 | 10000 | 96 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Cadmium | 2380 | 2500 | 95 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Chromium | 930 | 1000 | 93 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Copper | 1270 | 1250 | 101 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Lead | 4840 | 5000 | 97 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Manganese | 2390 | 2500 | 96 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Nickel | 2410 | 2500 | 96 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Selenium | 5130 | 5000 | 103 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| | Zinc | 2560 | 2500 | 102 | 90 - 110 | P | 11/08/2024 | 16:23 | LB133365 |
| CCV04 | Arsenic | 5190 | 5000 | 104 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV04 | Barium | 9360 | 10000 | 94 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Cadmium | 2420 | 2500 | 97 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Chromium | 927 | 1000 | 93 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Copper | 1310 | 1250 | 105 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Lead | 4940 | 5000 | 99 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Manganese | 2310 | 2500 | 93 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Nickel | 2460 | 2500 | 98 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Selenium | 5360 | 5000 | 107 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Silver | 1260 | 1250 | 101 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| | Zinc | 2610 | 2500 | 104 | 90 - 110 | P | 11/08/2024 | 17:16 | LB133365 |
| CCV05 | Arsenic | 5110 | 5000 | 102 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Barium | 9290 | 10000 | 93 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Chromium | 906 | 1000 | 91 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Copper | 1290 | 1250 | 103 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Lead | 4940 | 5000 | 99 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Manganese | 2280 | 2500 | 91 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Nickel | 2460 | 2500 | 98 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Selenium | 5280 | 5000 | 106 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Silver | 1230 | 1250 | 99 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| | Zinc | 2540 | 2500 | 102 | 90 - 110 | P | 11/08/2024 | 18:04 | LB133365 |
| CCV06 | Arsenic | 4970 | 5000 | 100 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Barium | 9460 | 10000 | 95 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Cadmium | 2360 | 2500 | 95 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Chromium | 923 | 1000 | 92 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Copper | 1250 | 1250 | 100 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Lead | 4830 | 5000 | 97 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Manganese | 2290 | 2500 | 92 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Nickel | 2400 | 2500 | 96 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Selenium | 5100 | 5000 | 102 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Silver | 1220 | 1250 | 98 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| | Zinc | 2530 | 2500 | 101 | 90 - 110 | P | 11/08/2024 | 18:55 | LB133365 |
| CCV07 | Arsenic | 5060 | 5000 | 101 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Barium | 9520 | 10000 | 95 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |

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# Metals

## - 2a -
## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV07 | Cadmium | 2400 | 2500 | 96 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Chromium | 920 | 1000 | 92 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Copper | 1280 | 1250 | 102 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Lead | 4910 | 5000 | 98 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Manganese | 2310 | 2500 | 92 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Nickel | 2440 | 2500 | 98 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Selenium | 5210 | 5000 | 104 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Silver | 1250 | 1250 | 100 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| | Zinc | 2580 | 2500 | 103 | 90 - 110 | P | 11/08/2024 | 19:47 | LB133365 |
| CCV08 | Arsenic | 4620 | 5000 | 92 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Barium | 9200 | 10000 | 92 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Cadmium | 2370 | 2500 | 95 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Chromium | 920 | 1000 | 92 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Copper | 1170 | 1250 | 94 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Lead | 4790 | 5000 | 96 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Manganese | 2300 | 2500 | 92 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Nickel | 2380 | 2500 | 95 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Selenium | 4670 | 5000 | 93 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Silver | 1190 | 1250 | 95 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| | Zinc | 2380 | 2500 | 95 | 90 - 110 | P | 11/08/2024 | 20:48 | LB133365 |
| CCV09 | Arsenic | 4610 | 5000 | 92 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Barium | 9110 | 10000 | 91 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Cadmium | 2310 | 2500 | 93 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Chromium | 902 | 1000 | 90 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Copper | 1160 | 1250 | 93 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Lead | 4710 | 5000 | 94 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Manganese | 2270 | 2500 | 91 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Nickel | 2330 | 2500 | 93 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Selenium | 4690 | 5000 | 94 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Silver | 1190 | 1250 | 95 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| | Zinc | 2420 | 2500 | 97 | 90 - 110 | P | 11/08/2024 | 21:50 | LB133365 |
| CCV10 | Arsenic | 5340 | 5000 | 107 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Barium | 9550 | 10000 | 96 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Cadmium | 2430 | 2500 | 97 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |

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# Metals

## - 2a -

## INITIAL AND CONTINUING CALIBRATION VERIFICATION

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:** EPA

**Continuing Calibration Source:** Inorganic Ventures

| Sample ID | Analyte | Result ug/L | True Value | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| CCV10 | Chromium | 1000 | 1000 | 100 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Copper | 1130 | 1250 | 91 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Lead | 4980 | 5000 | 100 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Manganese | 2380 | 2500 | 95 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Nickel | 2360 | 2500 | 94 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Selenium | 4900 | 5000 | 98 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Silver | 1270 | 1250 | 102 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |
| | Zinc | 2690 | 2500 | 108 | 90 - 110 | P | 11/08/2024 | 23:24 | LB133365 |

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# Metals

## - 2b -
## CRDL STANDARD FOR AA & ICP

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Initial Calibration Source:**

**Continuing Calibration Source:**

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Acceptance Window (%R) | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CRA** | Mercury | 0.21 | 0.2 | 107 | 40 - 160 | CV | 11/05/2024 | 12:07 | LB133297 |
| **CRI01** | Arsenic | 20.3 | 20.0 | 102 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Barium | 106 | 100 | 106 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Cadmium | 6.64 | 6.0 | 111 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Chromium | 9.93 | 10.0 | 99 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Copper | 21.9 | 20.0 | 109 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Lead | 11.2 | 12.0 | 94 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Manganese | 21.2 | 20.0 | 106 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Nickel | 39.4 | 40.0 | 99 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Selenium | 19.9 | 20.0 | 99 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Silver | 10.5 | 10.0 | 105 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| | Zinc | 40.8 | 40.0 | 102 | 40 - 160 | P | 11/06/2024 | 18:04 | LB133323 |
| **CRI01** | Arsenic | 20.1 | 20.0 | 100 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Barium | 95.0 | 100 | 95 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Cadmium | 6.16 | 6.0 | 103 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Chromium | 9.24 | 10.0 | 92 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Copper | 21.4 | 20.0 | 107 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Lead | 11.8 | 12.0 | 98 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Manganese | 19.6 | 20.0 | 98 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Nickel | 36.8 | 40.0 | 92 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Selenium | 19.8 | 20.0 | 99 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Silver | 10.3 | 10.0 | 103 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |
| | Zinc | 41.9 | 40.0 | 105 | 40 - 160 | P | 11/08/2024 | 14:20 | LB133365 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICB69** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 12:00 | LB133297 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB26** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 12:05 | LB133297 |
| **CCB27** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 12:32 | LB133297 |
| **CCB28** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 12:59 | LB133297 |
| **CCB29** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 13:34 | LB133297 |
| **CCB30** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 14:11 | LB133297 |
| **CCB31** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 14:31 | LB133297 |
| **CCB32** | Mercury | 0.20 | +/-0.20 | U | 0.20 | CV | 11/05/2024 | 14:45 | LB133297 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 17:43 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/06/2024 | 17:43 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 17:43 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 17:43 | LB133323 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 18:27 | LB133323 |
| | Cadmium | 0.21 | +/-6.00 | J | 6.00 | P | 11/06/2024 | 18:27 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 18:27 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 18:27 | LB133323 |
| **CCB02** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 18:44 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/06/2024 | 18:44 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 18:44 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 18:44 | LB133323 |
| **CCB03** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 19:36 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/06/2024 | 19:36 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 19:36 | LB133323 |
| | Zinc | 23.7 | +/-40.0 | J | 40.0 | P | 11/06/2024 | 19:36 | LB133323 |
| **CCB04** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 20:26 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 20:26 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/06/2024 | 20:26 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 20:26 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 20:26 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 20:26 | LB133323 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB04** | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 20:26 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 20:26 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 20:26 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 20:26 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 20:26 | LB133323 |
| **CCB05** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 21:17 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/06/2024 | 21:17 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 21:17 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 21:17 | LB133323 |
| **CCB06** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 22:15 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/06/2024 | 22:15 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 22:15 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 22:15 | LB133323 |
| **CCB07** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/06/2024 | 23:07 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/06/2024 | 23:07 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/06/2024 | 23:07 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/06/2024 | 23:07 | LB133323 |
| **CCB08** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:03 | LB133323 |

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# Metals

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## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB08** | Barium | 100 | +/-100 | U | 100 | P | 11/07/2024 | 00:03 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/07/2024 | 00:03 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/07/2024 | 00:03 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:03 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/07/2024 | 00:03 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:03 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/07/2024 | 00:03 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:03 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/07/2024 | 00:03 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/07/2024 | 00:03 | LB133323 |
| **CCB09** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/07/2024 | 00:57 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/07/2024 | 00:57 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/07/2024 | 00:57 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/07/2024 | 00:57 | LB133323 |
| **CCB10** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/07/2024 | 01:53 | LB133323 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/07/2024 | 01:53 | LB133323 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/07/2024 | 01:53 | LB133323 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/07/2024 | 01:53 | LB133323 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| ICB01 | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 14:16 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 14:16 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 14:16 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 14:16 | LB133365 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB01** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 14:50 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 14:50 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 14:50 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 14:50 | LB133365 |
| **CCB02** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 15:33 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 15:33 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 15:33 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 15:33 | LB133365 |
| **CCB03** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 16:28 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 16:28 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 16:28 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 16:28 | LB133365 |
| **CCB04** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 17:22 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 17:22 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 17:22 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 17:22 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 17:22 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 17:22 | LB133365 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB04** | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 17:22 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 17:22 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 17:22 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 17:22 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 17:22 | LB133365 |
| **CCB05** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 18:08 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 18:08 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 18:08 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 18:08 | LB133365 |
| **CCB06** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 18:59 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 18:59 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 18:59 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 18:59 | LB133365 |
| **CCB07** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 19:51 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 19:51 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 19:51 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 19:51 | LB133365 |
| **CCB08** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 20:57 | LB133365 |

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# Metals

## - 3a -

## INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Analyte | Result ug/L | Acceptance Limit | Conc Qual | CRQL | M | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **CCB08** | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 20:57 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 20:57 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 20:57 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 20:57 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 20:57 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 20:57 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 20:57 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 20:57 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 20:57 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 20:57 | LB133365 |
| **CCB09** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 21:55 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 21:55 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 21:55 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 21:55 | LB133365 |
| **CCB10** | Arsenic | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Barium | 100 | +/-100 | U | 100 | P | 11/08/2024 | 23:35 | LB133365 |
| | Cadmium | 6.00 | +/-6.00 | U | 6.00 | P | 11/08/2024 | 23:35 | LB133365 |
| | Chromium | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Copper | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Lead | 12.0 | +/-12.0 | U | 12.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Manganese | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Nickel | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Selenium | 20.0 | +/-20.0 | U | 20.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Silver | 10.0 | +/-10.0 | U | 10.0 | P | 11/08/2024 | 23:35 | LB133365 |
| | Zinc | 40.0 | +/-40.0 | U | 40.0 | P | 11/08/2024 | 23:35 | LB133365 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Instrument:** CV1

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB164687BL** | | **WATER** | | **Batch Number:** | **PB164687** | | **Prep Date:** | **11/05/2024** | |
| | Mercury | 0.20 | <0.20 | U | 0.20 | CV | 11/05/2024 | 13:15 | LB133297 |

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# Metals
## - 3b -
## PREPARATION BLANK SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Instrument:** P4

| Sample ID | Analyte | Result (ug/L) | Acceptance Limit | Conc Qual | CRQL ug/L | M | Analysis Date | Analysis Time | Run |
|---|---|---|---|---|---|---|---|---|---|
| **PB164645BL** | | **WATER** | | **Batch Number:** | **PB164645** | | **Prep Date:** | **11/04/2024** | |
| | Arsenic | 10.0 | <10.0 | U | 10.0 | P | 11/08/2024 | 21:10 | LB133365 |
| | Barium | 50.0 | <50.0 | U | 50.0 | P | 11/08/2024 | 21:10 | LB133365 |
| | Cadmium | 3.00 | <3.00 | U | 3.00 | P | 11/08/2024 | 21:10 | LB133365 |
| | Chromium | 5.00 | <5.00 | U | 5.00 | P | 11/08/2024 | 21:10 | LB133365 |
| | Copper | 10.0 | <10.0 | U | 10.0 | P | 11/08/2024 | 21:10 | LB133365 |
| | Lead | 6.00 | <6.00 | U | 6.00 | P | 11/08/2024 | 21:10 | LB133365 |
| | Manganese | 10.0 | <10.0 | U | 10.0 | P | 11/08/2024 | 21:10 | LB133365 |
| | Nickel | 20.0 | <20.0 | U | 20.0 | P | 11/08/2024 | 21:10 | LB133365 |
| | Selenium | 10.0 | <10.0 | U | 10.0 | P | 11/08/2024 | 21:10 | LB133365 |
| | Silver | 5.00 | <5.00 | U | 5.00 | P | 11/08/2024 | 21:10 | LB133365 |
| | Zinc | 20.0 | <20.0 | U | 20.0 | P | 11/08/2024 | 21:10 | LB133365 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICSA01** | Arsenic | 2.46 | | | -20 | 20 | 11/06/2024 | 18:08 | LB133323 |
| | Barium | 5.21 | 6.0 | 87 | -94 | 106 | 11/06/2024 | 18:08 | LB133323 |
| | Cadmium | 6.38 | 1.0 | 638 | -5 | 7 | 11/06/2024 | 18:08 | LB133323 |
| | Chromium | 56.4 | 52.0 | 108 | 42 | 62 | 11/06/2024 | 18:08 | LB133323 |
| | Copper | 0.49 | 2.0 | 24 | -18 | 22 | 11/06/2024 | 18:08 | LB133323 |
| | Lead | 9.93 | | | -12 | 12 | 11/06/2024 | 18:08 | LB133323 |
| | Manganese | 4.23 | 7.0 | 60 | -13 | 27 | 11/06/2024 | 18:08 | LB133323 |
| | Nickel | 3.00 | 2.0 | 150 | -38 | 42 | 11/06/2024 | 18:08 | LB133323 |
| | Selenium | -15.6 | | | -20 | 20 | 11/06/2024 | 18:08 | LB133323 |
| | Silver | 1.23 | | | -10 | 10 | 11/06/2024 | 18:08 | LB133323 |
| | Zinc | 8.08 | | | -40 | 40 | 11/06/2024 | 18:08 | LB133323 |
| **ICSAB01** | Arsenic | 114 | 104 | 110 | 88.4 | 120 | 11/06/2024 | 18:13 | LB133323 |
| | Barium | 529 | 537 | 98 | 437 | 637 | 11/06/2024 | 18:13 | LB133323 |
| | Cadmium | 1020 | 972 | 105 | 826 | 1120 | 11/06/2024 | 18:13 | LB133323 |
| | Chromium | 562 | 542 | 104 | 460 | 624 | 11/06/2024 | 18:13 | LB133323 |
| | Copper | 488 | 511 | 96 | 434 | 588 | 11/06/2024 | 18:13 | LB133323 |
| | Lead | 57.7 | 49.0 | 118 | 37 | 61 | 11/06/2024 | 18:13 | LB133323 |
| | Manganese | 516 | 507 | 102 | 430 | 584 | 11/06/2024 | 18:13 | LB133323 |
| | Nickel | 1010 | 954 | 106 | 810 | 1100 | 11/06/2024 | 18:13 | LB133323 |
| | Selenium | 36.0 | 46.0 | 78 | 26 | 66 | 11/06/2024 | 18:13 | LB133323 |
| | Silver | 203 | 201 | 101 | 170 | 232 | 11/06/2024 | 18:13 | LB133323 |
| | Zinc | 1070 | 952 | 112 | 809 | 1095 | 11/06/2024 | 18:13 | LB133323 |
| **ICSA01** | Arsenic | 5.52 | | | -20 | 20 | 11/08/2024 | 14:24 | LB133365 |
| | Barium | 1.84 | 6.0 | 31 | -94 | 106 | 11/08/2024 | 14:24 | LB133365 |
| | Cadmium | 6.11 | 1.0 | 611 | -5 | 7 | 11/08/2024 | 14:24 | LB133365 |
| | Chromium | 54.3 | 52.0 | 104 | 42 | 62 | 11/08/2024 | 14:24 | LB133365 |
| | Copper | 14.3 | 2.0 | 715 | -18 | 22 | 11/08/2024 | 14:24 | LB133365 |
| | Lead | 9.97 | | | -12 | 12 | 11/08/2024 | 14:24 | LB133365 |
| | Manganese | 3.65 | 7.0 | 52 | -13 | 27 | 11/08/2024 | 14:24 | LB133365 |
| | Nickel | 2.63 | 2.0 | 132 | -38 | 42 | 11/08/2024 | 14:24 | LB133365 |
| | Selenium | -14.4 | | | -20 | 20 | 11/08/2024 | 14:24 | LB133365 |
| | Silver | -0.087 | | | -10 | 10 | 11/08/2024 | 14:24 | LB133365 |
| | Zinc | 7.04 | | | -40 | 40 | 11/08/2024 | 14:24 | LB133365 |
| **ICSAB01** | Arsenic | 115 | 104 | 111 | 88.4 | 120 | 11/08/2024 | 14:30 | LB133365 |
| | Barium | 496 | 537 | 92 | 437 | 637 | 11/08/2024 | 14:30 | LB133365 |
| | Cadmium | 979 | 972 | 101 | 826 | 1120 | 11/08/2024 | 14:30 | LB133365 |
| | Chromium | 521 | 542 | 96 | 460 | 624 | 11/08/2024 | 14:30 | LB133365 |
| | Copper | 499 | 511 | 98 | 434 | 588 | 11/08/2024 | 14:30 | LB133365 |
| | Lead | 57.3 | 49.0 | 117 | 37 | 61 | 11/08/2024 | 14:30 | LB133365 |
| | Manganese | 480 | 507 | 95 | 430 | 584 | 11/08/2024 | 14:30 | LB133365 |
| | Nickel | 981 | 954 | 103 | 810 | 1100 | 11/08/2024 | 14:30 | LB133365 |
| | Selenium | 31.2 | 46.0 | 68 | 26 | 66 | 11/08/2024 | 14:30 | LB133365 |

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# Metals
## - 4 -
## INTERFERENCE CHECK SAMPLE

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**ICS Source:** EPA **Instrument ID:** P4

| Sample ID | Analyte | Result ug/L | True Value ug/L | % Recovery | Low Limit (ug/L) | High Limit (ug/L) | Analysis Date | Analysis Time | Run Number |
|---|---|---|---|---|---|---|---|---|---|
| **ICSAB01** | Silver | 198 | 201 | 98 | 170 | 232 | 11/08/2024 | 14:30 | LB133365 |
| | Zinc | 1090 | 952 | 114 | 809 | 1095 | 11/08/2024 | 14:30 | LB133365 |

# METAL QC DATA

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** RSB Environmental **level:** low **sdg no.:** P4673

**contract:** RSBE01 **lab code:** CHEM **case no.:** P4673 **sas no.:** P4673

**matrix:** Water **sample id:** P4661-03 **client id:** 102324-AMS

**Percent Solids for Sample:** NA **Spiked ID:** P4661-03MS **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 82 - 119 | 3.36 | | 0.17 | J | 4.0 | 80 | N | CV |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** RSB Environmental **level:** low **sdg no.:** P4673

**contract:** RSBE01 **lab code:** CHEM **case no.:** P4673 **sas no.:** P4673

**matrix:** Water **sample id:** P4661-03 **client id:** 102324-AMSD

**Percent Solids for Sample:** NA **Spiked ID:** P4661-03MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 82 - 119 | 3.26 | | 0.17 | J | 4.0 | 77 | N | CV |

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# metals
## - 5a -
## MATRIX SPIKE SUMMARY

**client:** RSB Environmental **level:** low **sdg no.:** P4673

**contract:** RSBE01 **lab code:** CHEM **case no.:** P4673 **sas no.:** P4673

**matrix:** Water **sample id:** P4673-07 **client id:** OUTFALL-007MS

**Percent Solids for Sample:** NA **Spiked ID:** P4673-07MS **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 87 - 113 | 413 | | 10.0 | U | 400 | 103 | | P |
| Barium | ug/L | 88 - 113 | 378 | | 248 | | 100 | 130 | N | P |
| Cadmium | ug/L | 88 - 113 | 95.9 | | 3.00 | U | 100 | 96 | | P |
| Chromium | ug/L | 90 - 113 | 236 | | 21.1 | | 200 | 108 | | P |
| Copper | ug/L | 86 - 114 | 168 | | 14.2 | | 150 | 103 | | P |
| Lead | ug/L | 86 - 113 | 475 | | 6.00 | U | 500 | 95 | | P |
| Manganese | ug/L | 90 - 114 | 137 | | 26.8 | | 100 | 110 | | P |
| Nickel | ug/L | 88 - 113 | 250 | | 2.30 | J | 250 | 99 | | P |
| Selenium | ug/L | 83 - 114 | 954 | | 10.0 | U | 1000 | 95 | | P |
| Silver | ug/L | 84 - 115 | 38.9 | | 5.00 | U | 37.5 | 104 | | P |
| Zinc | ug/L | 87 - 115 | 411 | | 286 | | 100 | 126 | N | P |

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# metals
## - 5a -
## MATRIX SPIKE DUPLICATE SUMMARY

**client:** RSB Environmental **level:** low **sdg no.:** P4673

**contract:** RSBE01 **lab code:** CHEM **case no.:** P4673 **sas no.:** P4673

**matrix:** Water **sample id:** P4673-07 **client id:** OUTFALL-007MSD

**Percent Solids for Sample:** NA **Spiked ID:** P4673-07MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit %R | MSD Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 87 - 113 | 414 | | 10.0 | U | 400 | 104 | | P |
| Barium | ug/L | 88 - 113 | 376 | | 248 | | 100 | 128 | N | P |
| Cadmium | ug/L | 88 - 113 | 96.3 | | 3.00 | U | 100 | 96 | | P |
| Chromium | ug/L | 90 - 113 | 234 | | 21.1 | | 200 | 107 | | P |
| Copper | ug/L | 86 - 114 | 169 | | 14.2 | | 150 | 103 | | P |
| Lead | ug/L | 86 - 113 | 476 | | 6.00 | U | 500 | 95 | | P |
| Manganese | ug/L | 90 - 114 | 136 | | 26.8 | | 100 | 109 | | P |
| Nickel | ug/L | 88 - 113 | 251 | | 2.30 | J | 250 | 100 | | P |
| Selenium | ug/L | 83 - 114 | 964 | | 10.0 | U | 1000 | 96 | | P |
| Silver | ug/L | 84 - 115 | 38.7 | | 5.00 | U | 37.5 | 103 | | P |
| Zinc | ug/L | 87 - 115 | 412 | | 286 | | 100 | 126 | N | P |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Matrix:** Water **Level:** LOW **Client ID:** 102324-AA

**Sample ID:** P4661-03 **Spiked ID:** P4661-03A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 82 - 119 | 3.42 | | 0.17 | J | 4.00 | 81 | | CV |

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# Metals
## - 5b -
## POST DIGEST SPIKE SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Matrix:** Water **Level:** LOW **Client ID:** OUTFALL-007A

**Sample ID:** P4673-07 **Spiked ID:** P4673-07A

| Analyte | Units | Acceptance Limit %R | Spiked Result | C | Sample Result | C | Spike Added | % Recovery | Qual | M |
|---|---|---|---|---|---|---|---|---|---|---|
| Barium | ug/L | 88 - 113 | 380 | | 248 | | 100 | 132 | | P |
| Zinc | ug/L | 87 - 115 | 404 | | 286 | | 100 | 118 | | P |

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** RSB Environmental **Level:** LOW **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Matrix:** Water **Sample ID:** P4661-03 **Client ID:** 102324-ADUP

**Percent Solids for Sample:** NA **Duplicate ID** P4661-03DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 20 | 0.17 | J | 0.13 | J | 25 | | CV |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -

## DUPLICATE SAMPLE SUMMARY

**Client:** RSB Environmental **Level:** LOW **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Matrix:** Water **Sample ID:** P4661-03MS **Client ID:** 102324-AMSD

**Percent Solids for Sample:** NA **Duplicate ID** P4661-03MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Mercury | ug/L | 20 | 3.36 | | 3.26 | | 3 | | CV |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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## Metals

**- 6 -**

**DUPLICATE SAMPLE SUMMARY**

**Client:** RSB Environmental **Level:** LOW **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Matrix:** Water **Sample ID:** P4673-07 **Client ID:** OUTFALL-007DUP

**Percent Solids for Sample:** NA **Duplicate ID** P4673-07DUP **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 20 | 10.0 | U | 10.0 | U | | | P |
| Barium | ug/L | 20 | 248 | | 247 | | 0 | | P |
| Cadmium | ug/L | 20 | 3.00 | U | 3.00 | U | | | P |
| Chromium | ug/L | 20 | 21.1 | | 21.0 | | 0 | | P |
| Copper | ug/L | 20 | 14.2 | | 14.4 | | 1 | | P |
| Lead | ug/L | 20 | 6.00 | U | 6.00 | U | | | P |
| Manganese | ug/L | 20 | 26.8 | | 26.5 | | 1 | | P |
| Nickel | ug/L | 20 | 2.30 | J | 2.41 | J | 5 | | P |
| Selenium | ug/L | 20 | 10.0 | U | 10.0 | U | | | P |
| Silver | ug/L | 20 | 5.00 | U | 5.00 | U | | | P |
| Zinc | ug/L | 20 | 286 | | 289 | | 1 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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# Metals

## - 6 -
## DUPLICATE SAMPLE SUMMARY

**Client:** RSB Environmental **Level:** LOW **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Matrix:** Water **Sample ID:** P4673-07MS **Client ID:** OUTFALL-007MSD

**Percent Solids for Sample:** NA **Duplicate ID** P4673-07MSD **Percent Solids for Spike Sample:** NA

| Analyte | Units | Acceptance Limit | Sample Result | C | Duplicate Result | C | RPD | Qual | M |
|---|---|---|---|---|---|---|---|---|---|
| Arsenic | ug/L | 20 | 413 | | 414 | | 0 | | P |
| Barium | ug/L | 20 | 378 | | 376 | | 1 | | P |
| Cadmium | ug/L | 20 | 95.9 | | 96.3 | | 0 | | P |
| Chromium | ug/L | 20 | 236 | | 234 | | 1 | | P |
| Copper | ug/L | 20 | 168 | | 169 | | 1 | | P |
| Lead | ug/L | 20 | 475 | | 476 | | 0 | | P |
| Manganese | ug/L | 20 | 137 | | 136 | | 1 | | P |
| Nickel | ug/L | 20 | 250 | | 251 | | 0 | | P |
| Selenium | ug/L | 20 | 954 | | 964 | | 1 | | P |
| Silver | ug/L | 20 | 38.9 | | 38.7 | | 1 | | P |
| Zinc | ug/L | 20 | 411 | | 412 | | 0 | | P |

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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## Metals



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB164645BS | | | | | | | |
| Arsenic | ug/L | 400 | 370 | | 92 | 80 - 120 | P |
| Barium | ug/L | 100 | 86.7 | | 87 | 80 - 120 | P |
| Cadmium | ug/L | 100 | 91.6 | | 92 | 80 - 120 | P |
| Chromium | ug/L | 200 | 182 | | 91 | 80 - 120 | P |
| Copper | ug/L | 150 | 143 | | 95 | 80 - 120 | P |
| Lead | ug/L | 500 | 470 | | 94 | 80 - 120 | P |
| Manganese | ug/L | 100 | 94.7 | | 95 | 80 - 120 | P |
| Nickel | ug/L | 250 | 235 | | 94 | 80 - 120 | P |
| Selenium | ug/L | 1000 | 913 | | 91 | 80 - 120 | P |
| Silver | ug/L | 37.5 | 35.9 | | 96 | 80 - 120 | P |
| Zinc | ug/L | 100 | 99.1 | | 99 | 80 - 120 | P |

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## Metals



### LABORATORY CONTROL SAMPLE SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

| Analyte | Units | True Value | Result | C | % Recovery | Acceptance Limits | M |
|---|---|---|---|---|---|---|---|
| PB164687BS | | | | | | | |
| Mercury | ug/L | 4.0 | 3.57 | | 89 | 82 - 119 | CV |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

102324-AL

**Lab Name:** Chemtech Consulting Group **Contract:** RSBE01

**Lab Code:** CHEM **Lb No.:** lb133297 **Lab Sample ID :** P4661-03L **SDG No.:** P4673

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Mercury | 0.17 | J | 1.00 | U | 100.0 | | CV |

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# Metals

## -9 -

## ICP SERIAL DILUTIONS

SAMPLE NO.

OUTFALL-007L

**Lab Name:** Chemtech Consulting Group **Contract:** RSBE01

**Lab Code:** CHEM **Lb No.:** lb133323 **Lab Sample ID :** P4673-07L **SDG No.:** P4673

**Matrix (soil/water):** Water **Level (low/med):** LOW

**Concentration Units:** ug/L

| Analyte | Initial Sample Result (I) | C | Serial Dilution Result (S) | C | % Difference | Q | M |
|---|---|---|---|---|---|---|---|
| Arsenic | 10.0 | U | 50.0 | U | | | P |
| Barium | 248 | | 249 | J | 1 | | P |
| Cadmium | 3.00 | U | 15.0 | U | | | P |
| Chromium | 21.1 | | 20.9 | J | 1 | | P |
| Copper | 14.2 | | 50.0 | U | 100.0 | | P |
| Lead | 6.00 | U | 30.0 | U | | | P |
| Manganese | 26.8 | | 27.1 | J | 1 | | P |
| Nickel | 2.30 | J | 100 | U | 100.0 | | P |
| Selenium | 10.0 | U | 50.0 | U | | | P |
| Silver | 5.00 | U | 25.0 | U | | | P |
| Zinc | 286 | | 285 | | 0 | | P |

# METAL PREPARATION & INSTRUMENT DATA

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Al | Ca | Fe | Mg | Ag |
|---|---|---|---|---|---|---|
| Arsenic | 193.759 | 0.0000000 | 0.0000000 | -0.0000440 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000930 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 224.700 | 0.0000000 | 0.0000000 | 0.0007850 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | -0.0000920 | 0.0000000 | 0.0000380 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090 | 0.0000000 | 0.0000000 | -0.0001440 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | -0.0001490 | 0.0000000 | 0.0000000 |
| Zinc | 213.800 | 0.0000000 | 0.0000000 | 0.0001050 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: As | Ba | Be | Cd | Co |
|---|---|---|---|---|---|---|
| Arsenic | 193.759 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0002870 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 224.700 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0009530 |
| Lead | 220.353 | 0.0000000 | 0.0003170 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0003570 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 213.800 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Cr | Cu | K | Mn | Mo |
|---|---|---|---|---|---|---|
| Arsenic | 193.759 | -0.0029000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0004900 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000070 | 0.0002200 | 0.0000000 |
| Copper | 224.700 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0006510 | 0.0020500 |
| Lead | 220.353 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001400 | -0.0008600 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0007460 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | -0.0000120 |
| Zinc | 213.800 | 0.0000000 | 0.0009010 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Na | Ni | Pb | Sb | Se |
|---|---|---|---|---|---|---|
| Arsenic | 193.759 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Copper | 224.700 | 0.0000000 | -0.0047000 | 0.0036100 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | 0.0006580 | 0.0000000 | 0.0000000 | 0.0001290 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090 | 0.0000000 | 0.0000000 | 0.0003330 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 213.800 | 0.0000000 | 0.0067600 | 0.0000000 | 0.0000000 | 0.0000000 |

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# Metals
## - 11 -
## ICP INTERELEMENT CORRECTION FACTORS

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Case No.:** P4673 **SAS No.:** P4673

**Instrument ID:** **Date:**

**Interelement Correction Factors (apparent ppb analyte/ppm interferent )**

| Analyte | Wave-Length (nm) | ICP Interelement Correction Factors For: Sn | Ti | Tl | V | Zn |
|---|---|---|---|---|---|---|
| Arsenic | 193.759 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Barium | 493.409 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Cadmium | 226.502 | 0.0000000 | 0.0000630 | 0.0001280 | 0.0000000 | 0.0000000 |
| Chromium | 267.716 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0001110 | 0.0000000 |
| Copper | 224.700 | 0.0000000 | 0.0003840 | 0.0000000 | 0.0000000 | 0.0000000 |
| Lead | 220.353 | 0.0000000 | -0.0003610 | 0.0000000 | 0.0000000 | 0.0000000 |
| Manganese | 257.610 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Nickel | 231.604 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Selenium | 196.090 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |
| Silver | 328.068 | 0.0000000 | -0.0007420 | 0.0000000 | 0.0000000 | 0.0000000 |
| Zinc | 213.800 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 | 0.0000000 |

# METAL PREPARATION & ANALYICAL SUMMARY

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Fax : 908 789 8922



# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Method:**

**Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB164645** | | | | | | |
| P4673-01 | OUTFALL-001 | SAM | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-02 | OUTFALL-002 | SAM | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-03 | OUTFALL-003 | SAM | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-04 | OUTFALL-004 | SAM | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-05 | OUTFALL-005 | SAM | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-06 | OUTFALL-006 | SAM | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-07 | OUTFALL-007 | SAM | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-07DUP | OUTFALL-007DUP | DUP | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-07MS | OUTFALL-007MS | MS | WATER | 11/04/2024 | 50.0 | 25.0 | |
| P4673-07MSD | OUTFALL-007MSD | MSD | WATER | 11/04/2024 | 50.0 | 25.0 | |
| PB164645BL | PB164645BL | MB | WATER | 11/04/2024 | 50.0 | 25.0 | |
| PB164645BS | PB164645BS | LCS | WATER | 11/04/2024 | 50.0 | 25.0 | |

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# Metals
## - 13 -
## SAMPLE PREPARATION SUMMARY

**Client:** RSB Environmental **SDG No.:** P4673

**Contract:** RSBE01 **Lab Code:** CHEM **Method:**

**Case No.:** P4673 **SAS No.:** P4673

| Sample ID | Client ID | Sample Type | Matrix | Prep Date | Initial Sample Size(mL) | Final Sample Volume (mL) | Percent Solids |
|---|---|---|---|---|---|---|---|
| **Batch Number:** | **PB164687** | | | | | | |
| P4661-03DUP | 102324-ADUP | DUP | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4661-03MS | 102324-AMS | MS | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4661-03MSD | 102324-AMSD | MSD | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4673-01 | OUTFALL-001 | SAM | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4673-02 | OUTFALL-002 | SAM | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4673-03 | OUTFALL-003 | SAM | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4673-04 | OUTFALL-004 | SAM | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4673-05 | OUTFALL-005 | SAM | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4673-06 | OUTFALL-006 | SAM | WATER | 11/05/2024 | 30.0 | 30.0 | |
| P4673-07 | OUTFALL-007 | SAM | WATER | 11/05/2024 | 30.0 | 30.0 | |
| PB164687BL | PB164687BL | MB | WATER | 11/05/2024 | 30.0 | 30.0 | |
| PB164687BS | PB164687BS | LCS | WATER | 11/05/2024 | 30.0 | 30.0 | |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** RSB Environmental **Contract:** RSBE01

**Lab code:** CHEM **Case no.:** P4673 **Sas no.:** P4673 **Sdg no.:** P4673

**Instrument id number:** **Method:** **Run number:** LB133297

**Start date:** 11/05/2024 **End date:** 11/05/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1133 | HG |
| S0.2 | S0.2 | 1 | 1136 | HG |
| S2.5 | S2.5 | 1 | 1138 | HG |
| S5 | S5 | 1 | 1140 | HG |
| S7.5 | S7.5 | 1 | 1142 | HG |
| S10 | S10 | 1 | 1155 | HG |
| ICV69 | ICV69 | 1 | 1158 | HG |
| ICB69 | ICB69 | 1 | 1200 | HG |
| CCV26 | CCV26 | 1 | 1203 | HG |
| CCB26 | CCB26 | 1 | 1205 | HG |
| CRA | CRA | 1 | 1207 | HG |
| CCV27 | CCV27 | 1 | 1230 | HG |
| CCB27 | CCB27 | 1 | 1232 | HG |
| CCV28 | CCV28 | 1 | 1257 | HG |
| CCB28 | CCB28 | 1 | 1259 | HG |
| PB164687BL | PB164687BL | 1 | 1315 | HG |
| PB164687BS | PB164687BS | 1 | 1322 | HG |
| CCV29 | CCV29 | 1 | 1332 | HG |
| CCB29 | CCB29 | 1 | 1334 | HG |
| P4661-03DUP | 102324-ADUP | 1 | 1348 | HG |
| P4661-03MS | 102324-AMS | 1 | 1350 | HG |
| P4661-03MSD | 102324-AMSD | 1 | 1353 | HG |
| P4673-01 | OUTFALL-001 | 1 | 1401 | HG |
| P4673-02 | OUTFALL-002 | 1 | 1404 | HG |
| P4673-03 | OUTFALL-003 | 1 | 1406 | HG |
| CCV30 | CCV30 | 1 | 1408 | HG |
| CCB30 | CCB30 | 1 | 1411 | HG |
| P4673-04 | OUTFALL-004 | 1 | 1413 | HG |
| P4673-05 | OUTFALL-005 | 1 | 1415 | HG |
| P4673-06 | OUTFALL-006 | 1 | 1417 | HG |
| P4673-07 | OUTFALL-007 | 1 | 1420 | HG |
| CCV31 | CCV31 | 1 | 1429 | HG |
| CCB31 | CCB31 | 1 | 1431 | HG |
| P4661-03L | 102324-AL | 5 | 1438 | HG |
| P4661-03A | 102324-AA | 1 | 1440 | HG |
| CCV32 | CCV32 | 1 | 1442 | HG |
| CCB32 | CCB32 | 1 | 1445 | HG |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** RSB Environmental **Contract:** RSBE01

**Lab code:** CHEM **Case no.:** P4673 **Sas no.:** P4673 **Sdg no.:** P4673

**Instrument id number:** **Method:** **Run number:** LB133323

**Start date:** 11/06/2024 **End date:** 11/07/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1709 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S1 | S1 | 1 | 1713 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S2 | S2 | 1 | 1717 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S3 | S3 | 1 | 1722 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S4 | S4 | 1 | 1726 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S5 | S5 | 1 | 1730 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICV01 | ICV01 | 1 | 1734 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| LLICV01 | LLICV01 | 1 | 1738 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICB01 | ICB01 | 1 | 1743 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CRI01 | CRI01 | 1 | 1804 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICSA01 | ICSA01 | 1 | 1808 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICSAB01 | ICSAB01 | 1 | 1813 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV01 | CCV01 | 1 | 1823 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB01 | CCB01 | 1 | 1827 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV02 | CCV02 | 1 | 1839 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB02 | CCB02 | 1 | 1844 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV03 | CCV03 | 1 | 1932 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB03 | CCB03 | 1 | 1936 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-01 | OUTFALL-001 | 1 | 2009 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-02 | OUTFALL-002 | 1 | 2013 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-03 | OUTFALL-003 | 1 | 2018 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV04 | CCV04 | 1 | 2022 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB04 | CCB04 | 1 | 2026 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-04 | OUTFALL-004 | 1 | 2031 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-05 | OUTFALL-005 | 1 | 2035 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-06 | OUTFALL-006 | 1 | 2039 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-07 | OUTFALL-007 | 1 | 2044 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-07DUP | OUTFALL-007DUP | 1 | 2048 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-07L | OUTFALL-007L | 5 | 2052 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-07MS | OUTFALL-007MS | 1 | 2057 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-07MSD | OUTFALL-007MSD | 1 | 2101 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| P4673-07A | OUTFALL-007A | 1 | 2105 | Ba,Zn |
| CCV05 | CCV05 | 1 | 2113 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB05 | CCB05 | 1 | 2117 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV06 | CCV06 | 1 | 2211 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB06 | CCB06 | 1 | 2215 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV07 | CCV07 | 1 | 2303 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB07 | CCB07 | 1 | 2307 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV08 | CCV08 | 1 | 2359 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB08 | CCB08 | 1 | 0003 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV09 | CCV09 | 1 | 0053 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** RSB Environmental **Contract:** RSBE01

**Lab code:** CHEM **Case no.:** P4673 **Sas no.:** P4673 **Sdg no.:** P4673

**Instrument id number:** **Method:** **Run number:** LB133323

**Start date:** 11/06/2024 **End date:** 11/07/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| CCB09 | CCB09 | 1 | 0057 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV10 | CCV10 | 1 | 0149 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB10 | CCB10 | 1 | 0153 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |

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**metals**
**- 14 -**
**ANALYSIS RUN LOG**

**Client:** RSB Environmental **Contract:** RSBE01

**Lab code:** CHEM **Case no.:** P4673 **Sas no.:** P4673 **Sdg no.:** P4673

**Instrument id number:** **Method:** **Run number:** LB133365

**Start date:** 11/08/2024 **End date:** 11/08/2024

| Lab sample id. | Client Sample Id | d/f | Time | Parameter list |
|---|---|---|---|---|
| S0 | S0 | 1 | 1334 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S1 | S1 | 1 | 1338 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S2 | S2 | 1 | 1343 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S3 | S3 | 1 | 1347 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S4 | S4 | 1 | 1351 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| S5 | S5 | 1 | 1355 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICV01 | ICV01 | 1 | 1359 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| LLICV01 | LLICV01 | 1 | 1411 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICB01 | ICB01 | 1 | 1416 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CRI01 | CRI01 | 1 | 1420 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICSA01 | ICSA01 | 1 | 1424 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| ICSAB01 | ICSAB01 | 1 | 1430 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV01 | CCV01 | 1 | 1444 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB01 | CCB01 | 1 | 1450 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV02 | CCV02 | 1 | 1529 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB02 | CCB02 | 1 | 1533 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV03 | CCV03 | 1 | 1623 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB03 | CCB03 | 1 | 1628 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV04 | CCV04 | 1 | 1716 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB04 | CCB04 | 1 | 1722 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV05 | CCV05 | 1 | 1804 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB05 | CCB05 | 1 | 1808 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV06 | CCV06 | 1 | 1855 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB06 | CCB06 | 1 | 1859 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV07 | CCV07 | 1 | 1947 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB07 | CCB07 | 1 | 1951 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV08 | CCV08 | 1 | 2048 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB08 | CCB08 | 1 | 2057 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| PB164645BL | PB164645BL | 1 | 2110 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| PB164645BS | PB164645BS | 1 | 2114 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV09 | CCV09 | 1 | 2150 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB09 | CCB09 | 1 | 2155 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCV10 | CCV10 | 1 | 2324 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |
| CCB10 | CCB10 | 1 | 2335 | Ag,As,Ba,Cd,Cr,Cu,Mn,Ni,Pb,Se,Zn |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | P4673 | **OrderDate:** | 11/1/2024 11:12:30 AM |
| **Client:** | RSB Environmental | **Project:** | Houston Powder Coaters |
| **Contact:** | Efrain Trejo | **Location:** | K51 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **P4673-01** | **OUTFALL-001** | **WATER** | | | **10/31/24 02:10** | | | **11/01/24** |
| | | | Anions Group1 | 300.0 | | | 11/04/24 11:26 | |
| **P4673-02** | **OUTFALL-002** | **WATER** | | | **10/31/24 02:25** | | | **11/01/24** |
| | | | Anions Group1 | 300.0 | | | 11/04/24 11:47 | |
| **P4673-03** | **OUTFALL-003** | **WATER** | | | **10/31/24 02:40** | | | **11/01/24** |
| | | | Anions Group1 | 300.0 | | | 11/04/24 12:09 | |
| **P4673-04** | **OUTFALL-004** | **WATER** | | | **10/31/24 02:55** | | | **11/01/24** |
| | | | Anions Group1 | 300.0 | | | 11/04/24 12:30 | |
| **P4673-05** | **OUTFALL-005** | **WATER** | | | **10/31/24 01:45** | | | **11/01/24** |
| | | | Anions Group1 | 300.0 | | | 11/04/24 13:13 | |
| **P4673-06** | **OUTFALL-006** | **WATER** | | | **10/31/24 01:30** | | | **11/01/24** |
| | | | Anions Group1 | 300.0 | | | 11/04/24 13:35 | |
| **P4673-07** | **OUTFALL-007** | **WATER** | | | **10/31/24 03:10** | | | **11/01/24** |
| | | | Anions Group1 | 300.0 | | | 11/04/24 13:56 | |

# SAMPLE DATA

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 02:10 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-001 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-01 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite | 0.38 | J | 1 | 0.011 | 0.60 | mg/L | | 11/04/24 11:26 | 300.0 |
| Nitrate | 1.60 | | 1 | 0.0034 | 0.50 | mg/L | | 11/04/24 11:26 | 300.0 |
| Nitrate+Nitrite | 1.98 | | 1 | 0.010 | 1.10 | mg/L | | 11/04/24 11:26 | 300.0 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 02:25 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-002 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-02 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite | 0.011 | U | 1 | 0.011 | 0.60 | mg/L | | 11/04/24 11:47 | 300.0 |
| Nitrate | 1.30 | | 1 | 0.0034 | 0.50 | mg/L | | 11/04/24 11:47 | 300.0 |
| Nitrate+Nitrite | 1.30 | | 1 | 0.010 | 1.10 | mg/L | | 11/04/24 11:47 | 300.0 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 02:40 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-003 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-03 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite | 0.011 | U | 1 | 0.011 | 0.60 | mg/L | | 11/04/24 12:09 | 300.0 |
| Nitrate | 0.46 | J | 1 | 0.0034 | 0.50 | mg/L | | 11/04/24 12:09 | 300.0 |
| Nitrate+Nitrite | 0.46 | J | 1 | 0.010 | 1.10 | mg/L | | 11/04/24 12:09 | 300.0 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 02:55 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-004 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-04 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite | 0.15 | J | 1 | 0.011 | 0.60 | mg/L | | 11/04/24 12:30 | 300.0 |
| Nitrate | 2.20 | | 1 | 0.0034 | 0.50 | mg/L | | 11/04/24 12:30 | 300.0 |
| Nitrate+Nitrite | 2.35 | | 1 | 0.010 | 1.10 | mg/L | | 11/04/24 12:30 | 300.0 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 01:45 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-005 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-05 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite | 0.011 | U | 1 | 0.011 | 0.60 | mg/L | | 11/04/24 13:13 | 300.0 |
| Nitrate | 2.20 | | 1 | 0.0034 | 0.50 | mg/L | | 11/04/24 13:13 | 300.0 |
| Nitrate+Nitrite | 2.20 | | 1 | 0.010 | 1.10 | mg/L | | 11/04/24 13:13 | 300.0 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 01:30 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-006 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-06 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite | 0.011 | U | 1 | 0.011 | 0.60 | mg/L | | 11/04/24 13:35 | 300.0 |
| Nitrate | 1.70 | | 1 | 0.0034 | 0.50 | mg/L | | 11/04/24 13:35 | 300.0 |
| Nitrate+Nitrite | 1.70 | | 1 | 0.010 | 1.10 | mg/L | | 11/04/24 13:35 | 300.0 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | RSB Environmental | Date Collected: | 10/31/24 03:10 |
| Project: | Houston Powder Coaters | Date Received: | 11/01/24 |
| Client Sample ID: | OUTFALL-007 | SDG No.: | P4673 |
| Lab Sample ID: | P4673-07 | Matrix: | WATER |
| | | % Solid: | 0 |

| Parameter | Conc. | Qua. | DF | MDL | LOQ / CRQL | Units | Prep Date | Date Ana. | Ana Met. |
|---|---|---|---|---|---|---|---|---|---|
| Nitrite | 0.011 | U | 1 | 0.011 | 0.60 | mg/L | | 11/04/24 13:56 | 300.0 |
| Nitrate | 0.73 | | 1 | 0.0034 | 0.50 | mg/L | | 11/04/24 13:56 | 300.0 |
| Nitrate+Nitrite | 0.73 | J | 1 | 0.010 | 1.10 | mg/L | | 11/04/24 13:56 | 300.0 |

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

# QC RESULT SUMMARY

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# Initial and Continuing Calibration Verification

**Client:** RSB Environmental **SDG No.:** P4673

**Project:** Houston Powder Coaters **RunNo.:** LB133251

| Analyte | Units | Result | True Value | % Recovery | Acceptance Window (%R) | Analysis Date |
|---|---|---|---|---|---|---|
| **Sample ID:** **ICV1** | | | | | | |
| Bromide | mg/L | 10 | 10 | 100 | 90-110 | 10/16/2024 |
| Chloride | mg/L | 3 | 3 | 100 | 90-110 | 10/16/2024 |
| Fluoride | mg/L | 2 | 2 | 100 | 90-110 | 10/16/2024 |
| Nitrite | mg/L | 3 | 3 | 100 | 90-110 | 10/16/2024 |
| Nitrate | mg/L | 2.5 | 2.5 | 100 | 90-110 | 10/16/2024 |
| Sulfate | mg/L | 14.9 | 15 | 99 | 90-110 | 10/16/2024 |
| Orthophosphate as P | mg/L | 4.8 | 5 | 96 | 90-110 | 10/16/2024 |
| **Sample ID:** **CCV1** | | | | | | |
| Bromide | mg/L | 9.9 | 10 | 99 | 90-110 | 11/04/2024 |
| Chloride | mg/L | 3 | 3 | 100 | 90-110 | 11/04/2024 |
| Fluoride | mg/L | 2 | 2 | 100 | 90-110 | 11/04/2024 |
| Nitrite | mg/L | 3 | 3 | 100 | 90-110 | 11/04/2024 |
| Nitrate | mg/L | 2.5 | 2.5 | 100 | 90-110 | 11/04/2024 |
| Sulfate | mg/L | 14.7 | 15 | 98 | 90-110 | 11/04/2024 |
| Orthophosphate as P | mg/L | 5 | 5 | 100 | 90-110 | 11/04/2024 |
| **Sample ID:** **CCV2** | | | | | | |
| Bromide | mg/L | 10 | 10 | 100 | 90-110 | 11/04/2024 |
| Chloride | mg/L | 3 | 3 | 100 | 90-110 | 11/04/2024 |
| Fluoride | mg/L | 2 | 2 | 100 | 90-110 | 11/04/2024 |
| Nitrite | mg/L | 3 | 3 | 100 | 90-110 | 11/04/2024 |
| Nitrate | mg/L | 2.5 | 2.5 | 100 | 90-110 | 11/04/2024 |
| Sulfate | mg/L | 14.8 | 15 | 99 | 90-110 | 11/04/2024 |
| Orthophosphate as P | mg/L | 4.9 | 5 | 98 | 90-110 | 11/04/2024 |
| **Sample ID:** **CCV3** | | | | | | |
| Bromide | mg/L | 10 | 10 | 100 | 90-110 | 11/04/2024 |
| Chloride | mg/L | 3 | 3 | 100 | 90-110 | 11/04/2024 |
| Fluoride | mg/L | 2 | 2 | 100 | 90-110 | 11/04/2024 |
| Nitrite | mg/L | 3 | 3 | 100 | 90-110 | 11/04/2024 |
| Nitrate | mg/L | 2.5 | 2.5 | 100 | 90-110 | 11/04/2024 |
| Sulfate | mg/L | 14.8 | 15 | 99 | 90-110 | 11/04/2024 |
| Orthophosphate as P | mg/L | 4.9 | 5 | 98 | 90-110 | 11/04/2024 |

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# Initial and Continuing Calibration Blank Summary

**Client:** RSB Environmental **SDG No.:** P4673

**Project:** Houston Powder Coaters **RunNo.:** LB133251

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID: ICB1** | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.034 | 2 | 10/16/2024 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 10/16/2024 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.057 | 0.4 | 10/16/2024 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 10/16/2024 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.0034 | 0.5 | 10/16/2024 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.032 | 3 | 10/16/2024 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.079 | 1 | 10/16/2024 |
| **Sample ID: CCB1** | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.034 | 2 | 11/04/2024 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.057 | 0.4 | 11/04/2024 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.0034 | 0.5 | 11/04/2024 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.032 | 3 | 11/04/2024 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.079 | 1 | 11/04/2024 |
| **Sample ID: CCB2** | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.034 | 2 | 11/04/2024 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.057 | 0.4 | 11/04/2024 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.0034 | 0.5 | 11/04/2024 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.032 | 3 | 11/04/2024 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.079 | 1 | 11/04/2024 |
| **Sample ID: CCB3** | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.034 | 2 | 11/04/2024 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.057 | 0.4 | 11/04/2024 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.0034 | 0.5 | 11/04/2024 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.032 | 3 | 11/04/2024 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.079 | 1 | 11/04/2024 |

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# Preparation Blank Summary

**Client:** RSB Environmental **SDG No.:** P4673

**Project:** Houston Powder Coaters

| Analyte | Units | Result | Acceptance Limits | Conc Qual | MDL | RDL | Analysis Date |
|---|---|---|---|---|---|---|---|
| **Sample ID:** LB133251BLW | | | | | | | |
| Bromide | mg/L | < 1.0000 | 1.0000 | U | 0.034 | 2 | 11/04/2024 |
| Chloride | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Fluoride | mg/L | < 0.2000 | 0.2000 | U | 0.057 | 0.4 | 11/04/2024 |
| Nitrite | mg/L | < 0.3000 | 0.3000 | U | 0.011 | 0.6 | 11/04/2024 |
| Nitrate | mg/L | < 0.2500 | 0.2500 | U | 0.0034 | 0.5 | 11/04/2024 |
| Sulfate | mg/L | < 1.5000 | 1.5000 | U | 0.032 | 3 | 11/04/2024 |
| Orthophosphate as P | mg/L | < 0.5000 | 0.5000 | U | 0.079 | 1 | 11/04/2024 |

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# Matrix Spike Summary

**Client:** RSB Environmental
**SDG No.:** P4673
**Project:** Houston Powder Coaters
**Sample ID:** P4674-01
**Client ID:** OUTFALL-001MS
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 80-120 | 10.0 | | 0.034 | U | 10 | 1 | 100 | | 11/04/2024 |
| Chloride | mg/L | 80-120 | 9.00 | OR | 0.31 | J | 3 | 1 | 290 | * | 11/04/2024 |
| Fluoride | mg/L | 80-120 | 2.00 | | 0.24 | J | 2 | 1 | 88 | | 11/04/2024 |
| Nitrite | mg/L | 80-120 | 2.00 | | 0.011 | U | 3 | 1 | 67 | * | 11/04/2024 |
| Nitrate | mg/L | 80-120 | 3.10 | | 0.37 | J | 2.5 | 1 | 109 | | 11/04/2024 |
| Sulfate | mg/L | 80-120 | 4090 | OR | 4270 | OR | 15 | 1 | -1200 | * | 11/04/2024 |
| Orthophosphate as P | mg/L | 80-120 | 2.70 | | 0.32 | J | 5 | 1 | 48 | * | 11/04/2024 |

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# Matrix Spike Summary

**Client:** RSB Environmental
**SDG No.:** P4673
**Project:** Houston Powder Coaters
**Sample ID:** P4674-01
**Client ID:** OUTFALL-001MSD
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit %R | Spiked Result | Conc. Qualifier | Sample Result | Conc. Qualifier | Spike Added | Dilution Factor | % Rec | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Bromide | mg/L | 80-120 | 10.2 | | 0.034 | U | 10 | 1 | 102 | | 11/04/2024 |
| Chloride | mg/L | 80-120 | 9.10 | OR | 0.31 | J | 3 | 1 | 293 | * | 11/04/2024 |
| Fluoride | mg/L | 80-120 | 2.10 | | 0.24 | J | 2 | 1 | 93 | | 11/04/2024 |
| Nitrite | mg/L | 80-120 | 2.00 | | 0.011 | U | 3 | 1 | 67 | * | 11/04/2024 |
| Nitrate | mg/L | 80-120 | 3.20 | | 0.37 | J | 2.5 | 1 | 113 | | 11/04/2024 |
| Sulfate | mg/L | 80-120 | 4100 | OR | 4270 | OR | 15 | 1 | -1133 | * | 11/04/2024 |
| Orthophosphate as P | mg/L | 80-120 | 3.00 | | 0.32 | J | 5 | 1 | 54 | * | 11/04/2024 |

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# Duplicate Sample Summary

**Client:** RSB Environmental
**Project:** Houston Powder Coaters
**Client ID:** OUTFALL-001MSD
**SDG No.:** P4673
**Sample ID:** P4674-01
**Percent Solids for Spike Sample:** 0

| Analyte | Units | Acceptance Limit | Sample Result | Conc. Qualifier | Duplicate Result | Conc. Qualifier | Dilution Factor | RPD/ AD | Qual | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrite | mg/L | +/-20 | 2.00 | | 2.00 | | 1 | 0 | | 11/04/2024 |
| Sulfate | mg/L | +/-20 | 4090 | OR | 4100 | OR | 1 | 0 | | 11/04/2024 |
| Chloride | mg/L | +/-20 | 9.00 | OR | 9.10 | OR | 1 | 1 | | 11/04/2024 |
| Orthophosphate as P | mg/L | +/-20 | 2.70 | | 3.00 | | 1 | 11 | | 11/04/2024 |
| Bromide | mg/L | +/-20 | 10.0 | | 10.2 | | 1 | 2 | | 11/04/2024 |
| Nitrate | mg/L | +/-20 | 3.10 | | 3.20 | | 1 | 3 | | 11/04/2024 |
| Fluoride | mg/L | +/-20 | 2.00 | | 2.10 | | 1 | 5 | | 11/04/2024 |

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# Laboratory Control Sample Summary

| | | | |
|---|---|---|---|
| **Client:** | RSB Environmental | **SDG No.:** | P4673 |
| **Project:** | Houston Powder Coaters | **Run No.:** | LB133251 |

| Analyte | Units | True Value | Result | Conc. Qualifier | % Recovery | Dilution Factor | Acceptance Limit %R | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| **Sample ID** LB133251BSW | | | | | | | | |
| Bromide | mg/L | 10 | 10.0 | | 100 | 1 | 90-110 | 11/04/2024 |
| Chloride | mg/L | 3 | 3.00 | | 100 | 1 | 90-110 | 11/04/2024 |
| Fluoride | mg/L | 2 | 2.00 | | 100 | 1 | 90-110 | 11/04/2024 |
| Nitrite | mg/L | 3 | 3.00 | | 100 | 1 | 90-110 | 11/04/2024 |
| Nitrate | mg/L | 2.5 | 2.50 | | 100 | 1 | 90-110 | 11/04/2024 |
| Sulfate | mg/L | 15 | 14.7 | | 98 | 1 | 90-110 | 11/04/2024 |
| Orthophosphate as P | mg/L | 5 | 5.00 | | 100 | 1 | 90-110 | 11/04/2024 |

# SHIPPING DOCUMENTS

# CHEMTECH
## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P4673
QUOTE NO.
COC Number 2041342

7
7.1

### CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: RSB Environmental-ATG
ADDRESS: 6001 Savoy Dr., Suite 110
CITY Houston STATE: TX ZIP: 77036
ATTENTION: Efrain Trejo
PHONE: 8322069101 FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: Houston Powder Coaters
PROJECT NO.: 170914 LOCATION:
PROJECT MANAGER: Efrain Trejo
e-mail: efrain.trejo@alliance-tg.com
PHONE: 832-206-4101 FAX:

### CLIENT BILLING INFORMATION

BILL TO: RSB Environmental #:
ADDRESS: 6001 Savoy Dr. Swite 110
CITY Houston STATE: TX ZIP: 77036
ATTENTION: Efrain Trejo PHONE: 8322069101

### DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

### ANALYSIS

1 Metals
2 Nitrate and Nitrite as N
3
4
5
6
7
8
9

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # OF BOTTLES | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | Outfall 001 | Water | | X | 10/31 | 2:10 | 2 | X | X | | | | | | | |
| 2. | Outfall 002 | Water | | X | 10/31 | 2:25 | 2 | X | X | | | | | | | |
| 3. | Outfall 003 | Water | | X | 10/31 | 2:40 | 2 | X | X | | | | | | | |
| 4. | Outfall 004 | Water | | X | 10/31 | 2:55 | 2 | X | X | | | | | | | |
| 5. | Outfall 005 | Water | | X | 10/31 | 1:45 | 2 | X | X | | | | | | | |
| 6. | Outfall 006 | Water | | X | 10/31 | 1:30 | 2 | X | X | | | | | | | |
| 7. | Outfall 007 | Water | | X | 10/31 | 3:10 | 2 | X | X | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

COMMENTS
← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER: | DATE/TIME: | RECEIVED BY: |
|---|---|---|
| 1. Jaime Reyes | 10/31/24 4:00 | 1. |
| 2. | 11-1-24 940 | 2. |
| 3. | | 3. |

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.0°C °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO



WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

# Laboratory Certification

| Certified By | License No. |
|---|---|
| CAS EPA CLP Contract | 68HERH20D0011 |
| Connecticut | PH-0830 |
| DOD ELAP (ANAB) | L2219 |
| Maine | 2024021 |
| Maryland | 296 |
| New Hampshire | 255424 Rev 1 |
| New Jersey | 20012 |
| New York | 11376 |
| Pennsylvania | 68-00548 |
| Soil Permit | 525-24-234-08441 |
| Texas | T104704488 |