

DATA PACKAGE

GENERAL CHEMISTRY
METALS

PROJECT NAME : SOUTHERN PRODUCT FINISHING

RSB ENVIRONMENTAL

6001 Savoy Dr.

Ste. 110

Houston, TX - 77036

Phone No: 832.384.9475

ORDER ID : P4674

ATTENTION : Efrain Trejo



Laboratory Certification ID # 20012



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Cover Page

Order ID : P4674

Project ID : Southern Product Finishing

Client : RSB Environmental

Lab Sample Number

P4674-01

Client Sample Number

OUTFALL-001

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 :

N. N. Pandya

APPROVED

Date: 11/13/2024
By Nimisha Pandya, QA/QC Supervisor at 3:14 pm, Nov 13, 2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

RSB Environmental

Project Name: Southern Product Finishing

Project # N/A

Chemtech Project # P4674

Test Name: Metals ICP-Group1,Mercury

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/01/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Anions Group1, Mercury, Metals Group1, Metals ICP-Group1 and TSS. 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 3:15 pm, Nov 13, 2024



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

CASE NARRATIVE

RSB Environmental

Project Name: Southern Product Finishing

Project # N/A

Chemtech Project # P4674

Test Name: TSS,Anions Group1

A. Number of Samples and Date of Receipt:

1 Water sample was received on 11/01/2024.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested:

Anions Group1, Mercury, Metals Group1, Metals ICP-Group1 and TSS. This data

package contains results for TSS,Anions Group1.

C. Analytical Techniques:

The analysis of Anions Group1 was based on method 300.0 and The analysis of TSS was based on method SM2540 D.

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 3:15 pm, Nov 13, 2024

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 “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4674

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 Custody

✓

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

LAB CHRONICLE

OrderID:	P4674	OrderDate:	11/1/2024 11:13:40 AM
Client:	RSB Environmental	Project:	Southern Product Finishing
Contact:	Efrain Trejo	Location:	K51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4674-01	OUTFALL-001	Water	Mercury	7470A	10/31/24	11/05/24	11/05/24	11/01/24
			Metals ICP-Group1	6010D		11/04/24	11/06/24	

Hit Summary Sheet
SW-846

SDG No.:	P4674	Order ID:	P4674
Client:	RSB Environmental	Project ID:	Southern Product Finishing

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : OUTFALL-001								
P4674-01	OUTFALL-001	Water	Aluminum	2140		28.3	50.0	ug/L
P4674-01	OUTFALL-001	Water	Barium	449		6.28	50.0	ug/L
P4674-01	OUTFALL-001	Water	Cadmium	0.63	J	0.094	3.00	ug/L
P4674-01	OUTFALL-001	Water	Chromium	24.6		0.66	5.00	ug/L
P4674-01	OUTFALL-001	Water	Copper	36.6		7.07	10.0	ug/L
P4674-01	OUTFALL-001	Water	Iron	8370		18.5	50.0	ug/L
P4674-01	OUTFALL-001	Water	Lead	10.2		3.51	6.00	ug/L
P4674-01	OUTFALL-001	Water	Manganese	166		1.46	10.0	ug/L
P4674-01	OUTFALL-001	Water	Mercury	0.082	J	0.081	0.20	ug/L
P4674-01	OUTFALL-001	Water	Nickel	8.38	J	0.85	20.0	ug/L
P4674-01	OUTFALL-001	Water	Zinc	707		1.75	20.0	ug/L



SAMPLE DATA

Report of Analysis

Client:	RSB Environmental	Date Collected:	10/31/24
Project:	Southern Product Finishing	Date Received:	11/01/24
Client Sample ID:	OUTFALL-001	SDG No.:	P4674
Lab Sample ID:	P4674-01	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.
7429-90-5	Aluminum	2140		1	28.3	50.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7440-39-3	Barium	449	N	1	6.28	50.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7440-43-9	Cadmium	0.63	J	1	0.094	3.00	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7440-47-3	Chromium	24.6		1	0.66	5.00	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7440-50-8	Copper	36.6		1	7.07	10.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7439-89-6	Iron	8370		1	18.5	50.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7439-92-1	Lead	10.2		1	3.51	6.00	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7439-96-5	Manganese	166		1	1.46	10.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7439-97-6	Mercury	0.082	JN	1	0.081	0.20	ug/L	11/05/24 11:23	11/05/24 14:22	SW7470A	
7440-02-0	Nickel	8.38	J	1	0.85	20.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	11/04/24 11:30	11/06/24 21:09	SW6010	SW3010
7440-66-6	Zinc	707	N	1	1.75	20.0	ug/L	11/04/24 11:30	11/06/24 21:09	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



METAL CALIBRATION DATA



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C

D

E

F

G

H

H

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental SDG No.: P4674
 Contract: RSBE01 Lab Code: CHEM Case No.: P4674 SAS No.: P4674
 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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client:	<u>RSB Environmental</u>	SDG No.:	<u>P4674</u>				
Contract:	<u>RSBE01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4674</u>	SAS No.:	<u>P4674</u>
Initial Calibration Source:	<u>EPA</u>						
Continuing Calibration Source:	Inorganic Ventures						

Sample ID	Analyte	Result	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
		ug/L							
ICV01	Aluminum	2550	2500	102	90 - 110	P	11/06/2024	17:34	LB133323
	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
	Iron	10100	10000	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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental SDG No.: P4674
Contract: RSBE01 Lab Code: CHEM Case No.: P4674 SAS No.: P4674
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	Aluminum	103	100	103	80 - 120	P	11/06/2024	17:38	LB133323
	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
	Iron	95.1	100	95	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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental SDG No.: P4674
Contract: RSBE01 Lab Code: CHEM Case No.: P4674 SAS No.: P4674
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	Aluminum	10100	10000	101	90 - 110	P	11/06/2024	18:23	LB133323
	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
	Iron	4970	5000	99	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	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	18:39	LB133323
	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
	Iron	4880	5000	98	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	Aluminum	9900	10000	99	90 - 110	P	11/06/2024	19:32	LB133323
	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
	Iron	5050	5000	101	90 - 110	P	11/06/2024	19:32	LB133323
	Lead	4910	5000	98	90 - 110	P	11/06/2024	19:32	LB133323

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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
CCV03	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	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	20:22	LB133323
	Arsenic	5070	5000	101	90 - 110	P	11/06/2024	20:22	LB133323
	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
	Iron	4920	5000	98	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
	Aluminum	10300	10000	103	90 - 110	P	11/06/2024	21:13	LB133323
	Arsenic	5070	5000	102	90 - 110	P	11/06/2024	21:13	LB133323
CCV05	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
	Iron	5050	5000	101	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
	Aluminum	10100	10000	101	90 - 110	P	11/06/2024	22:11	LB133323
	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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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
CCV06	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
	Iron	4880	5000	98	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	Aluminum	10200	10000	102	90 - 110	P	11/06/2024	23:03	LB133323
	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
	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
	Iron	5090	5000	102	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
	Aluminum	10000	10000	100	90 - 110	P	11/06/2024	23:59	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
	Iron	4890	5000	98	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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental SDG No.: P4674
Contract: RSBE01 Lab Code: CHEM Case No.: P4674 SAS No.: P4674
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
CCV08	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	Aluminum	9840	10000	98	90 - 110	P	11/07/2024	00:53	LB133323
	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
	Iron	4930	5000	99	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
CCV10	Zinc	2370	2500	95	90 - 110	P	11/07/2024	00:53	LB133323
	Aluminum	10100	10000	101	90 - 110	P	11/07/2024	01:49	LB133323
	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
	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
	Iron	4960	5000	99	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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental SDG No.: P4674
Contract: RSBE01 Lab Code: CHEM Case No.: P4674 SAS No.: P4674
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	Aluminum	2550	2500	102	90 - 110	P	11/08/2024	13:59	LB133365
	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
	Iron	9660	10000	97	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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental SDG No.: P4674
Contract: RSBE01 Lab Code: CHEM Case No.: P4674 SAS No.: P4674
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	Aluminum	109	100	109	80 - 120	P	11/08/2024	14:11	LB133365
	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
	Iron	93.6	100	94	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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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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	Aluminum	9960	10000	100	90 - 110	P	11/08/2024	14:44	LB133365
	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
	Iron	4850	5000	97	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	Aluminum	9830	10000	98	90 - 110	P	11/08/2024	15:29	LB133365
	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
	Iron	4780	5000	96	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	Aluminum	9930	10000	99	90 - 110	P	11/08/2024	16:23	LB133365
	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
	Iron	4880	5000	98	90 - 110	P	11/08/2024	16:23	LB133365
	Lead	4840	5000	97	90 - 110	P	11/08/2024	16:23	LB133365

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental **SDG No.:** P4674

Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674

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
CCV03	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	Aluminum	9690	10000	97	90 - 110	P	11/08/2024	17:16	LB133365
	Arsenic	5190	5000	104	90 - 110	P	11/08/2024	17:16	LB133365
	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
	Iron	4860	5000	97	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
	Aluminum	9880	10000	99	90 - 110	P	11/08/2024	18:04	LB133365
	Arsenic	5110	5000	102	90 - 110	P	11/08/2024	18:04	LB133365
CCV05	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
	Iron	4750	5000	95	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
	Aluminum	9790	10000	98	90 - 110	P	11/08/2024	18:55	LB133365
	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

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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
CCV06	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
	Iron	4700	5000	94	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	Aluminum	10100	10000	101	90 - 110	P	11/08/2024	19:47	LB133365
	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
	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
	Iron	4710	5000	94	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
	Aluminum	9430	10000	94	90 - 110	P	11/08/2024	20:48	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
	Iron	4520	5000	90	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

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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
CCV08	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	Aluminum	9360	10000	94	90 - 110	P	11/08/2024	21:50	LB133365
	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
	Iron	5470	5000	109	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
CCV10	Zinc	2420	2500	97	90 - 110	P	11/08/2024	21:50	LB133365
	Aluminum	10100	10000	101	90 - 110	P	11/08/2024	23:24	LB133365
	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
	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
	Iron	5150	5000	103	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

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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	Aluminum	101	100	101	40 - 160	P	11/06/2024	18:04	LB133323
	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
	Iron	76.9	100	77	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	Aluminum	104	100	104	40 - 160	P	11/08/2024	14:20	LB133365
	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
	Iron	92.9	100	93	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



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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	RSB Environmental				SDG No.:	P4674			
Contract:	RSBE01	Lab Code:	CHEM		Case No.:	P4674	SAS No.:	P4674	
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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	<u>RSB Environmental</u>	SDG No.:	<u>P4674</u>
Contract:	<u>RSBE01</u>	Lab Code:	<u>CHEM</u>
		Case No.:	<u>P4674</u>
		SAS No.:	<u>P4674</u>

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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/06/2024	17:43	LB133323
	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
	Iron	100	+/-100	U	100	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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental		SDG No.: P4674							
Contract: RSBE01	Lab Code: CHEM	Case No.: P4674	SAS No.: P4674						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/06/2024	18:27	LB133323
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/06/2024	18:44	LB133323
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/06/2024	19:36	LB133323
	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
	Iron	100	+/-100	U	100	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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental		SDG No.: P4674							
Contract: RSBE01	Lab Code: CHEM	Case No.: P4674	SAS No.: P4674						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Aluminum	100	+/-100	U	100	P	11/06/2024	20:26	LB133323
	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
	Iron	100	+/-100	U	100	P	11/06/2024	20:26	LB133323
	Lead	12.0	+/-12.0	U	12.0	P	11/06/2024	20:26	LB133323
	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	Aluminum	100	+/-100	U	100	P	11/06/2024	21:17	LB133323
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/06/2024	22:15	LB133323
	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
	Iron	100	+/-100	U	100	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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental		SDG No.: P4674							
Contract: RSBE01	Lab Code: CHEM	Case No.: P4674	SAS No.: P4674						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Aluminum	100	+/-100	U	100	P	11/06/2024	23:07	LB133323
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/07/2024	00:03	LB133323
	Arsenic	20.0	+/-20.0	U	20.0	P	11/07/2024	00:03	LB133323
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/07/2024	00:57	LB133323
	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
	Iron	100	+/-100	U	100	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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Aluminum	100	+/-100	U	100	P	11/07/2024	01:53	LB133323
	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
	Iron	100	+/-100	U	100	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

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	100	+/-100	U	100	P	11/08/2024	14:16	LB133365
	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
	Iron	100	+/-100	U	100	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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental		SDG No.: P4674							
Contract: RSBE01	Lab Code: CHEM	Case No.: P4674	SAS No.: P4674						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	100	+/-100	U	100	P	11/08/2024	14:50	LB133365
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/08/2024	15:33	LB133365
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/08/2024	16:28	LB133365
	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
	Iron	100	+/-100	U	100	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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental		SDG No.: P4674							
Contract: RSBE01	Lab Code: CHEM	Case No.: P4674	SAS No.: P4674						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Aluminum	100	+/-100	U	100	P	11/08/2024	17:22	LB133365
	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
	Iron	100	+/-100	U	100	P	11/08/2024	17:22	LB133365
	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	17:22	LB133365
	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	Aluminum	100	+/-100	U	100	P	11/08/2024	18:08	LB133365
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/08/2024	18:59	LB133365
	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
	Iron	100	+/-100	U	100	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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental		SDG No.: P4674							
Contract: RSBE01	Lab Code: CHEM	Case No.: P4674	SAS No.: P4674						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB07	Aluminum	100	+/-100	U	100	P	11/08/2024	19:51	LB133365
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/08/2024	20:57	LB133365
	Arsenic	20.0	+/-20.0	U	20.0	P	11/08/2024	20:57	LB133365
	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
	Iron	100	+/-100	U	100	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	Aluminum	100	+/-100	U	100	P	11/08/2024	21:55	LB133365
	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
	Iron	100	+/-100	U	100	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

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB10	Aluminum	100	+/-100	U	100	P	11/08/2024	23:35	LB133365
	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
	Iron	100	+/-100	U	100	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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: RSB Environmental

SDG No.: P4674

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

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: RSB Environmental

SDG No.: P4674

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	
	Aluminum	50.0	<50.0	U	50.0	P	11/08/2024	21:10	LB133365
	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
	Iron	50.0	<50.0	U	50.0	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

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>RSB Environmental</u>	SDG No.: <u>P4674</u>
Contract: <u>RSBE01</u>	Lab Code: <u>CHEM</u>
Case No.: <u>P4674</u>	SAS No.: <u>P4674</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	Aluminum	257000	255000	101	216000	294000	11/06/2024	18:08	LB133323
	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
	Iron	98800	101000	98	85600	116500	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	Aluminum	261000	247000	106	209000	285000	11/06/2024	18:13	LB133323
	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
	Iron	100000	99300	101	84400	114500	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	Aluminum	264000	255000	104	216000	294000	11/08/2024	14:24	LB133365
	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
	Iron	98600	101000	98	85600	116500	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	Aluminum	260000	247000	105	209000	285000	11/08/2024	14:30	LB133365
	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

Metals
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INTERFERENCE CHECK SAMPLE

Client: <u>RSB Environmental</u>	SDG No.: <u>P4674</u>
Contract: <u>RSBE01</u> Lab Code: <u>CHEM</u>	Case No.: <u>P4674</u> SAS No.: <u>P4674</u>
ICS Source: <u>EPA</u>	Instrument ID: <u>P4</u>

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	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
	Iron	95700	99300	96	84400	114500	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
	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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>RSB Environmental</u>	level: <u>low</u>	sdg no.: <u>P4674</u>
contract: <u>RSBE01</u>	lab code: <u>CHEM</u>	case no.: <u>P4674</u> sas no.: <u>P4674</u>
matrix: <u>Water</u>	sample id: <u>P4661-03</u>	client id: <u>102324-AMS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4661-03MS</u>	Percent Solids for Spike Sample: <u>NA</u>

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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>RSB Environmental</u>	level: <u>low</u>	sdg no.: <u>P4674</u>
contract: <u>RSBE01</u>	lab code: <u>CHEM</u>	case no.: <u>P4674</u> sas no.: <u>P4674</u>
matrix: <u>Water</u>	sample id: <u>P4661-03</u>	client id: <u>102324-AMSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4661-03MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

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

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>RSB Environmental</u>	level: <u>low</u>	sdg no.: <u>P4674</u>
contract: <u>RSBE01</u>	lab code: <u>CHEM</u>	case no.: <u>P4674</u> sas no.: <u>P4674</u>
matrix: <u>Water</u>	sample id: <u>P4673-07</u>	client id: <u>OUTFALL-007MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4673-07MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1650		519		1000	113		P
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
Iron	ug/L	87 - 115	2600		892		1500	114		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

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>RSB Environmental</u>	level:	<u>low</u>	sdg no.:	<u>P4674</u>
contract:	<u>RSBE01</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4674</u>
matrix:	<u>Water</u>	sample id:	<u>P4673-07</u>	client id:	<u>OUTFALL-007MSD</u>
Percent Solids for Sample:	<u>NA</u>	Spiked ID:	<u>P4673-07MSD</u>	Percent Solids for Spike Sample:	<u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	86 - 115	1640		519		1000	112		P
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
Iron	ug/L	87 - 115	2590		892		1500	113		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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client:	<u>RSB Environmental</u>	SDG No.:	<u>P4674</u>				
Contract:	<u>RSBE01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4674</u>	SAS No.:	<u>P4674</u>
Matrix:	<u>Water</u>	Level:	<u>LOW</u>	Client ID:	<u>OUTFALL-007A</u>		
Sample ID:	<u>P4673-07</u>	Spiked ID:	<u>P4673-07A</u>				

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

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>RSB Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4674</u>
Contract:	<u>RSBE01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4674</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4661-03</u>	Client ID:	<u>102324-ADUP</u>
Percent Solids for Sample:	<u>NA</u>	Duplicate ID	<u>P4661-03DUP</u>	Percent Solids for Spike Sample:	<u>NA</u>

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 $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>RSB Environmental</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4674</u>
Contract:	<u>RSBE01</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4674</u>
Matrix:	<u>Water</u>	Sample ID:	<u>P4661-03MS</u>	Client ID:	<u>102324-AMSD</u>
Percent Solids for Sample:	<u>NA</u>	Duplicate ID	<u>P4661-03MSD</u>	Percent Solids for Spike Sample:	<u>NA</u>

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 $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: RSB Environmental **Level:** LOW **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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
Aluminum	ug/L	20	519		521		0		P
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
Iron	ug/L	20	892		908		2		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 $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: RSB Environmental **Level:** LOW **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674
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
Aluminum	ug/L	20	1650		1640		1		P
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
Iron	ug/L	20	2600		2590		0		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 $\pm 20\%$ RPD for each matrix applies for sample values greater than 10 times Detection Limit”

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164645BS							
Aluminum	ug/L	1000	955		96	80 - 120	P
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
Iron	ug/L	1500	1300		87	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

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: RSB Environmental **SDG No.:** P4674
Contract: RSBE01 **Lab Code:** CHEM **Case No.:** P4674 **SAS No.:** P4674

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

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.:** P4674
Matrix (soil/water): Water **Level (low/med):** LOW
Concentration Units: ug/L

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

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.: P4674

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ-ence	Q	M
		C		C			
Aluminum	519		504		3		P
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
Iron	892		877		2		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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: RSB Environmental

SDG No.: P4674

Contract: RSBE01

Lab Code: CHEM

Case No.: P4674

SAS No.: P4674

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
Aluminum	396.100	0.0000000	-0.0002060	0.0000000	0.0000000	0.0000000
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
Iron	240.488	0.0000000	0.0000000	0.0000000	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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: RSB Environmental

SDG No.: P4674

Contract: RSBE01

Lab Code: CHEM

Case No.: P4674

SAS No.: P4674

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
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

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: RSB Environmental

SDG No.: P4674

Contract: RSBE01

Lab Code: CHEM

Case No.: P4674

SAS No.: P4674

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
Aluminum	396.100	0.0000000	0.0000000	0.0000590	0.0000000	0.0396900
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
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: RSB Environmental

SDG No.: P4674

Contract: RSBE01

Lab Code: CHEM

Case No.: P4674

SAS No.: P4674

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
Aluminum	396.100	0.0000000	0.0000000	0.0012800	0.0000000	0.0000000
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
Iron	240.488	0.0000000	-0.0017000	0.0000000	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

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: RSB Environmental

SDG No.: P4674

Contract: RSBE01

Lab Code: CHEM

Case No.: P4674

SAS No.: P4674

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Iron	240.488	0.0000000	0.0000000	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

Metals
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SAMPLE PREPARATION SUMMARY

Client:	<u>RSB Environmental</u>	SDG No.:	<u>P4674</u>
Contract:	<u>RSBE01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4674</u>
		SAS No.:	<u>P4674</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164645							
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	
P4674-01	OUTFALL-001	SAM	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	

Metals
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SAMPLE PREPARATION SUMMARY

Client:	<u>RSB Environmental</u>	SDG No.:	<u>P4674</u>
Contract:	<u>RSBE01</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4674</u>
		SAS No.:	<u>P4674</u>

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	
P4674-01	OUTFALL-001	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	

metals
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ANALYSIS RUN LOG

Client: RSB Environmental **Contract:** RSBE01

Lab code: CHEM **Case no.:** P4674 **Sas no.:** P4674 **Sdg no.:** P4674

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
CCV30	CCV30	1	1408	HG
CCB30	CCB30	1	1411	HG
P4674-01	OUTFALL-001	1	1422	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

metals
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ANALYSIS RUN LOG

Client: RSB Environmental **Contract:** RSBE01

Lab code: CHEM **Case no.:** P4674 **Sas no.:** P4674 **Sdg no.:** P4674

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,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
S1	S1	1	1713	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
S2	S2	1	1717	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
S3	S3	1	1722	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
S4	S4	1	1726	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
S5	S5	1	1730	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
ICV01	ICV01	1	1734	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1738	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
ICB01	ICB01	1	1743	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CRI01	CRI01	1	1804	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1808	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1813	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV01	CCV01	1	1823	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB01	CCB01	1	1827	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV02	CCV02	1	1839	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB02	CCB02	1	1844	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV03	CCV03	1	1932	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB03	CCB03	1	1936	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV04	CCV04	1	2022	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB04	CCB04	1	2026	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
P4673-07DUP	OUTFALL-007DUP	1	2048	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
P4673-07L	OUTFALL-007L	5	2052	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
P4673-07MS	OUTFALL-007MS	1	2057	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
P4673-07MSD	OUTFALL-007MSD	1	2101	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
P4673-07A	OUTFALL-007A	1	2105	Ba,Zn
P4674-01	OUTFALL-001	1	2109	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV05	CCV05	1	2113	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB05	CCB05	1	2117	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV06	CCV06	1	2211	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB06	CCB06	1	2215	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV07	CCV07	1	2303	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB07	CCB07	1	2307	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV08	CCV08	1	2359	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB08	CCB08	1	0003	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV09	CCV09	1	0053	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB09	CCB09	1	0057	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCV10	CCV10	1	0149	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn
CCB10	CCB10	1	0153	Ag,Al,As,Ba,Cd,Cr,Cu,Fe,Mn,Ni,Pb,Se,Zn

metals
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ANALYSIS RUN LOG

Client: RSB Environmental **Contract:** RSBE01

Lab code: CHEM **Case no.:** P4674 **Sas no.:** P4674 **Sdg no.:** P4674

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

LAB CHRONICLE

OrderID:	P4674	OrderDate:	11/1/2024 11:13:40 AM
Client:	RSB Environmental	Project:	Southern Product Finishing
Contact:	Efrain Trejo	Location:	K51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4674-01	OUTFALL-001	WATER			10/31/24 13:00			11/01/24
			Anions Group1	300.0			11/04/24 14:18	
			TSS	SM2540 D			11/04/24 09:30	



SAMPLE DATA

Report of Analysis

Client:	RSB Environmental	Date Collected:	10/31/24 13:00
Project:	Southern Product Finishing	Date Received:	11/01/24
Client Sample ID:	OUTFALL-001	SDG No.:	P4674
Lab Sample ID:	P4674-01	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 14:18	300.0
Nitrate	0.37	J	1	0.0034	0.50	mg/L		11/04/24 14:18	300.0
Nitrate+Nitrite	0.37	J	1	0.010	1.10	mg/L		11/04/24 14:18	300.0
TSS	107		1	1.00	4.00	mg/L		11/04/24 09:30	SM 2540 D-15

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

Initial and Continuing Calibration Verification

Client: RSB Environmental
Project: Southern Product Finishing

SDG No.: P4674
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

Initial and Continuing Calibration Blank Summary

Client: RSB Environmental

SDG No.: P4674

Project: Southern Product Finishing

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

Preparation Blank Summary

Client: RSB Environmental

SDG No.: P4674

Project: Southern Product Finishing

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
Sample ID: LB133266BL							
TSS	mg/L	< 2.0000	2.0000	U	1	4	11/04/2024

Matrix Spike Summary

Client:	RSB Environmental	SDG No.:	P4674
Project:	Southern Product Finishing	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

Matrix Spike Summary

Client:	RSB Environmental	SDG No.:	P4674
Project:	Southern Product Finishing	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

Duplicate Sample Summary

Client:

RSB Environmental

SDG No.:

P4674

Project:

Southern Product Finishing

Sample ID:

P4638-02

Client ID:

COMPDUP

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
TSS	mg/L	+/-5	734		740		1	0.81		11/04/2024

Duplicate Sample Summary

Client:	RSB Environmental	SDG No.:	P4674
Project:	Southern Product Finishing	Sample ID:	P4674-01
Client ID:	OUTFALL-001MSD	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

Laboratory Control Sample Summary

Client:	RSB Environmental	SDG No.:	P4674
Project:	Southern Product Finishing	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

Laboratory Control Sample Summary

Client:	RSB Environmental	SDG No.:	P4674
Project:	Southern Product Finishing	Run No.:	LB133266

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID	LB133266BS							
TSS	mg/L	550	538		98	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. **P4674**
QUOTE NO. **P4674**
COC Number **2041049**

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: **RSB Environmental**
ADDRESS: **6001 Savoy Dr Ste 110**
CITY: **Houston** STATE: **TX** ZIP: **77036**
ATTENTION: **Efrain Trigo**
PHONE: **832-206-4101** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **Southern Product Finishing**
PROJECT NO.: LOCATION: **Houston TX**
PROJECT MANAGER: **Efrain Trigo**
e-mail: **efrain.trigo@AllianceTg.com**
PHONE: **832-206-4101** FAX:

CLIENT BILLING INFORMATION

BILL TO: **RSB Environmental** PO#:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) **2** 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 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

TSS metals mercury Nitrate + Nitrite
1 2 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E	B	B	C						
1.	outfall 001	SW		X	10/31/14	13:00	4	X	X	X	X						← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. EFRAIN	DATE/TIME: 10/31/14 13:00	RECEIVED BY: 1. [Signature]	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.6 °C Comments: at Cont 1
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME: 11-1-24	RECEIVED BY: 2. [Signature]	
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME:	RECEIVED BY: 3.	

Page ____ of ____

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

Shipment Complete
☐ YES ☐ NO

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