



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

A

B

C

D

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

SDG No.: P4674

Project: Southern Product Finishing

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