

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Jorge Quinones
Irrigation Express
13650 Vaughn Street
San Fernando, California 91340

Generated 6/12/2023 12:15:02 PM

JOB DESCRIPTION

Socal Blend 93

JOB NUMBER

860-49595-1

Eurofins Houston

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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6/12/2023 12:15:02 PM

Authorized for release by
Holly Taylor, Project Manager
Holly.Taylor@et.eurofinsus.com
(806)794-1296



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Definitions/Glossary

Client: Irrigation Express
Project/Site: Social Blend 93

Job ID: 860-49595-1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Irrigation Express
Project/Site: Social Blend 93

Job ID: 860-49595-1

Job ID: 860-49595-1

Laboratory: Eurofins Houston

Narrative

Job Narrative
860-49595-1

Receipt

The sample was received on 5/22/2023 2:50 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 22.4°C

Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Detection Summary

Client: Irrigation Express
Project/Site: Social Blend 93

Job ID: 860-49595-1

Client Sample ID: Social Blend 93

Lab Sample ID: 860-49595-1

No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins Houston

Client Sample Results

Client: Irrigation Express
Project/Site: Social Blend 93

Job ID: 860-49595-1

Client Sample ID: Social Blend 93

Lab Sample ID: 860-49595-1

Date Collected: 05/16/23 14:55

Matrix: Solid

Date Received: 05/22/23 14:50

Method: SW846 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<1.96	U	1.96	mg/Kg		05/23/23 19:23	05/24/23 18:18	10

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QC Sample Results

Client: Irrigation Express
 Project/Site: Social Blend 93

Job ID: 860-49595-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 860-104549/1-A
Matrix: Solid
Analysis Batch: 104881

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104549

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.0130	U	0.200	0.0130 mg/Kg		05/23/23 19:23	05/24/23 17:03	1

Lab Sample ID: LCS 860-104549/2-A
Matrix: Solid
Analysis Batch: 104881

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Lead	10.0	9.536		mg/Kg		95	80 - 120

Lab Sample ID: LCSD 860-104549/3-A
Matrix: Solid
Analysis Batch: 104881

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104549

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Lead	10.0	9.666		mg/Kg		97	80 - 120	1	20

QC Association Summary

Client: Irrigation Express
Project/Site: Social Blend 93

Job ID: 860-49595-1

Metals

Prep Batch: 104549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-49595-1	Social Blend 93	Total/NA	Solid	3051A	
MB 860-104549/1-A	Method Blank	Total/NA	Solid	3051A	
LCS 860-104549/2-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 860-104549/3-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

Analysis Batch: 104881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-49595-1	Social Blend 93	Total/NA	Solid	6020A	104549
MB 860-104549/1-A	Method Blank	Total/NA	Solid	6020A	104549
LCS 860-104549/2-A	Lab Control Sample	Total/NA	Solid	6020A	104549
LCSD 860-104549/3-A	Lab Control Sample Dup	Total/NA	Solid	6020A	104549

Lab Chronicle

Client: Irrigation Express
Project/Site: Socal Blend 93

Job ID: 860-49595-1

Client Sample ID: Socal Blend 93

Lab Sample ID: 860-49595-1

Date Collected: 05/16/23 14:55

Matrix: Solid

Date Received: 05/22/23 14:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			.51 g	50 mL	104549	05/23/23 19:23	AGR	EET HOU
Total/NA	Analysis	6020A		10			104881	05/24/23 18:18	DP	EET HOU

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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Accreditation/Certification Summary

Client: Irrigation Express
Project/Site: Social Blend 93

Job ID: 860-49595-1

Laboratory: Eurofins Houston

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215-23-50	06-30-23

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Method Summary

Client: Irrigation Express
Project/Site: Social Blend 93

Job ID: 860-49595-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	EET HOU
3051A	Preparation, Metals, Microwave Assisted	SW846	EET HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200



Sample Summary

Client: Irrigation Express
Project/Site: Socal Blend 93

Job ID: 860-49595-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
860-49595-1	Socal Blend 93	Solid	05/16/23 14:55	05/22/23 14:50

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Environment Testing
Xenco


CERTIFICATE OF ANALYSIS

Client: Irrigation Express
Product: Socal Blend 93
Eurofins Sample #:860-49595-1
Lead Results: Less than 1.96 parts per million

Synthetic fibers from turf product Socal Blend 93, taken by Irrigation Express on 05/16/2023, and received by Eurofins Labs, 05/22/2023, were analyzed by Eurofins Labs for total lead by method SW6020A. The results were less than 1.96 milligrams lead per kilogram synthetic fiber (<1.96 mg/kg).



Dr. Blair Leftwich, Director



Date

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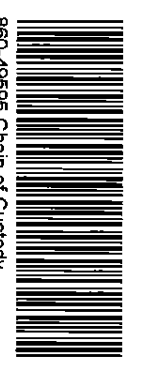


Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
 Midland, TX (432) 704-5440, San Antonio, TX (210) 508-3334
 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

WORK ORDER INV



860-49595 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Jorge Quinones	Bill to: (if different)	
Company Name:	Irrigation Express	Company Name:	
Address:	13650 Vaughn Street	Address:	
City, State ZIP:	San Fernando, CA 91340	City, State ZIP:	
Phone:	818-896-6633 X316	Email:	jorge@irrigationexpress.com

Work Order Comments	Program <input type="checkbox"/> UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other
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Project Name:	Turn Around			Pres. Code	ANALYSIS REQUEST													
	Project Number	<input type="checkbox"/> Routine	<input type="checkbox"/> Rush		None: NO	DI Water	H ₂ O	Cool: Cool	MeOH: Me	HCL: HC	HNO ₃ : HN	H ₂ SO ₄ : H ₂	NaOH: Na	H ₃ PO ₄ : HP	NaHSO ₄ : NABIS	Na ₂ S ₂ O ₃ : NaSO ₃	Zn Acetate+NaOH: Zn	NaOH+Ascorbic Acid: SAPC
SOCAL BLEND 93																		
Project Location:		Due Date:			Total Lead													
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm																
SAMPLE RECEIPT	Temp Blank:	Yes	No	Wet Ice:	Yes	No												
Samples Received Intact:	Yes	No	Thermometer ID:															
Cooler Custody Seals:	Yes	No	N/A	Correction Factor:														
Sample Custody Seals:	Yes	No	N/A	Temperature Reading:														
Total Containers:	Corrected Temperature:																	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont												
SOCAL BLEND 93	Solid	5/16/23	2-5pm	NA	NA	1												

Temp: 22.7 IR ID:HOU-343
 C/F -0.4
 Corrected Temp: 22.4

Total 200.7 / 6010 200.8 / 6020- 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U Hg 1631/245/17470/17471

Note: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
		5/16/23-3:00pm			5/22/23-2:50

Login Sample Receipt Checklist

Client: Irrigation Express

Job Number: 860-49595-1

Login Number: 49595

List Number: 1

Creator: Canadilla, Surelis

List Source: Eurofins Houston

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	