



December 13, 2023

Evergreen Natural Resources LLC

Greg Hoenmans

27000 Hwy 12

Trinidad

CO 81082

Project Name - LOLA/TOKAMATSU

Project Number - [none]

Attached are your analytical results for LOLA/TOKAMATSU received by Origins Laboratory, Inc. December 01, 2023. This project is associated with Origins project number Y312014-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LOLA SOIL SAMPLE #1	Y312014-01	Soil	November 28, 2023 9:00	12/01/2023 09:46
LOLA SOIL SAMPLE #2	Y312014-02	Soil	November 28, 2023 9:00	12/01/2023 09:46
LOLA SOIL SAMPLE #3	Y312014-03	Soil	November 28, 2023 9:00	12/01/2023 09:46
LOLA SOIL SAMPLE #4	Y312014-04	Soil	November 28, 2023 9:00	12/01/2023 09:46
TAKAMATSU SOIL SAMPLE #1	Y312014-05	Soil	November 28, 2023 9:50	12/01/2023 09:46
TAKAMATSU SOIL SAMPLE #2	Y312014-06	Soil	November 28, 2023 9:50	12/01/2023 09:46
TAKAMATSU SOIL SAMPLE #3	Y312014-07	Soil	November 28, 2023 9:50	12/01/2023 09:46

Origins Laboratory, Inc.



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Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

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4312014

ORIGINS LABORATORY, INC

Client: Evergreen Natural Resources LLC
Address: 27000 Hwy 12
Trinidad, CO 81082
Telephone Number: (719) 846-7898
Email Address: jobs@enrllc.com

Project Manager: Greg Hoenmans
Project Name:
Project Number:
Samples Collected By: L. Montoya

Sample ID Description	Date Sampled	Time Sampled	# of Containers				Preservative				Matrix				Analysis		Sample Instructions	
			Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil	Air	Summit	Other	PH	SAR					
LOLA 21-3 TR-PIT																		
Soil Sample #1	11-28-23	0900																
Soil Sample #2	11-28-23	0900																
Soil Sample #3	11-28-23	0900																
Soil Sample #4	11-28-23	0900																
TOKAMATSU 33-10-PIT																		
Soil Sample #1	11-28-23	0950																
Soil Sample #2	11-28-23	0950																
Soil Sample #3	11-28-23	0950																
Relinquished By: Ley D. Montoya	Date: 11-30-23	Time: 1600					Received By: EVS				Date: 12/1/23				Time: 1459		Turnaround Time: Same Day <input type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input checked="" type="checkbox"/>	
Relinquished By: Ley D. Montoya	Date:	Time:					Received By:				Date:				Time:			

1725 Elk Place | Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Temp Received: 3.5 Date Results Needed

Origins Laboratory, Inc.

J. Bynon

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Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

Origins Laboratory F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 4312014 Client: Evergreen
Client Project ID: _____
Checklist Completed by: EHS Shipped Via: HD
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Date/time completed: 12/11/23 Airbill #: N/A
Matrix(s) Received: (Check all that apply): ☒ Soil/Solid _____ Water _____ Other: _____
(Describe)
Cooler Number/Temperature: 1 13.5 °C _____ °C
Thermometer ID: 1004 _____ °C

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?		<input checked="" type="checkbox"/>		
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH < 2 for samples preserved with HNO ₃ ; HCL, H ₂ SO ₄) / (pH > 10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):	<u>No project name.</u>			

⁽¹⁾If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) JB Date/Time Reviewed 12-5-23

Origins Laboratory, Inc.

J. Bynon

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Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

LOLA SOIL SAMPLE #1

11/28/2023 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312014-01 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	2.91	0.435	"	"	"	KAP	"	"

SAR by 20B Saturated Paste

SAR	7.21	0.0100	SAR	1	B3L0509	KAP	"	"
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Origins Laboratory, Inc.



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Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

LOLA SOIL SAMPLE #2

11/28/2023 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312014-02 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	11.8	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.89		pH Units	1	B3L0515	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	21.1	0.0100	SAR	1	B3L0510	KAP	12/05/2023	12/06/2023
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Origins Laboratory, Inc.



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27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

LOLA SOIL SAMPLE #3

11/28/2023 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312014-03 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	0.797	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	11.0	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.38		pH Units	1	B3L0515	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	14.9	0.0100	SAR	1	B3L0510	KAP	12/05/2023	12/06/2023
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Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

LOLA SOIL SAMPLE #4

11/28/2023 9:00:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312014-04 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	ND	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	ND	0.823	"	"	"	KAP	"	"
Sodium	8.25	0.435	"	"	"	KAP	"	"

SAR by 20B Saturated Paste

SAR	18.8	0.0100	SAR	1	B3L0510	KAP	"	"
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Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

TAKAMATSU SOIL SAMPLE #1

11/28/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312014-05 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.58	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	0.950	0.823	"	"	"	KAP	"	"
Sodium	1.67	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.40		pH Units	1	B3L0515	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	1.49	0.0100	SAR	1	B3L0510	KAP	12/05/2023	12/06/2023
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Evergreen Natural Resources LLC
27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

TAKAMATSU SOIL SAMPLE #2

11/28/2023 9:50:00AM

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
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Origins Laboratory, Inc. Y312014-06 (Soil)

Metals by Saturated Paste by EPA 6010

Calcium	1.54	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	0.893	0.823	"	"	"	KAP	"	"
Sodium	1.39	0.435	"	"	"	KAP	"	"

pH in Soil by 9045D

pH	8.39		pH Units	1	B3L0515	ACC	12/05/2023	12/06/2023
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SAR by 20B Saturated Paste

SAR	1.26	0.0100	SAR	1	B3L0510	KAP	12/05/2023	12/06/2023
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Project Number: [none]
Project: LOLA/TOKAMATSU

TAKAMATSU SOIL SAMPLE #3**11/28/2023 9:50:00AM**

Analyte	Result	Reporting		Units	Dilution	Batch	Analyst	Prepared	Analyzed	Notes
		Limit								

Origins Laboratory, Inc.
Y312014-07 (Soil)**Metals by Saturated Paste by EPA 6010**

Calcium	1.48	0.499	meq/L	10	[CALC]	KAP	12/05/2023	12/06/2023
Magnesium	0.887	0.823	"	"	"	KAP	"	"
Sodium	3.37	0.435	"	"	"	KAP	"	"

SAR by 20B Saturated Paste

SAR	3.10	0.0100	SAR	1	B3L0510	KAP	"	"
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27000 Hwy 12
Trinidad CO 81082

Greg Hoenmans
Project Number: [none]
Project: LOLA/TOKAMATSU

Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L0509 - Saturated Paste Metals

Blank (B3L0509-BLK1)

Prepared: 12/05/2023 Analyzed: 12/06/2023

Calcium PPM	ND	10.0	mg/L
SAR	ND	0.0100	SAR
Magnesium PPM	ND	10.0	mg/L
Sodium PPM	ND	10.0	"

Duplicate (B3L0509-DUP1)

Source: Y312014-01

Prepared: 12/05/2023 Analyzed: 12/06/2023

Calcium PPM	5.09	10.0	mg/L	5.39	5.73	50
SAR	ND	0.0100	SAR	7.21		200
Magnesium PPM	0.630	10.0	mg/L	0.700	10.5	50
Sodium PPM	68.4	10.0	"	67.0	2.08	50

Batch B3L0510 - Saturated Paste Metals

Blank (B3L0510-BLK1)

Prepared: 12/05/2023 Analyzed: 12/06/2023

Calcium PPM	ND	10.0	mg/L
SAR	ND	0.0100	SAR
Magnesium PPM	ND	10.0	mg/L
Sodium PPM	ND	10.0	"

Duplicate (B3L0510-DUP1)

Source: Y312014-02

Prepared: 12/05/2023 Analyzed: 12/06/2023

Calcium PPM	10.7	10.0	mg/L	9.87	7.98	50
SAR	ND	0.0100	SAR	21.1		200
Magnesium PPM	1.82	10.0	mg/L	1.65	9.80	50
Sodium PPM	287	10.0	"	271	5.54	50

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Project Number: [none]
Project: LOLA/TOKAMATSU

Saturated Paste - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B3L0515 - Saturated Paste pH/EC

Duplicate (B3L0515-DUP1)		Source: Y312014-02			Prepared: 12/05/2023 Analyzed: 12/06/2023					
pH	8.90		pH Units		8.89			0.112	25	

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Evergreen Natural Resources LLC

27000 Hwy 12

Trinidad CO 81082

Greg Hoenmans

Project Number: [none]

Project: LOLA/TOKAMATSU

Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported at a wet weight basis.

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