



# ALAMO ANALYTICAL LABORATORIES, LTD.

10526 Gulfdale  
San Antonio, TX – 78216;  
Ph. (210) 340-8121; Fax: (210) 340-8123

2500 Montana Avenue  
El Paso, TX – 79903  
Ph. (915) 599-2183; Fax: (915) 592-4659

[www.alamoanalytical.com](http://www.alamoanalytical.com); (800) 572-6955

## LABORATORY ANALYTICAL RESULTS

Client Name: HDR Ecological Equation  
Project Manager: Bill Davidson  
Phone: (514) 423-3945

Report Date: 11/25/2019  
Order No.: 1910110  
Analysis Date: 11/22/2019

### GC FID Analysis - Units in ppm

Analyst: SLF

Samples agitated occasionally for 2 days at 20 ± 2 °C

Sampling ID	1910110-01A Depth 9500 ( ppm)	1910110-02A Depth 10,500 ( ppm)	1910110-03A Depth 11,500 ( ppm)
Initial Total hydrocarbons	285,900	59,700	166,700
Sample: Biograss Extract			
1:2	40,500		23,650
1:1		12,150	
1:1.5		5,950	
1:4	6,200		
1:3			8,390

TPH Target: Under 10,000 ppm( <1% of total hydrocarbons).

Reviewed by:

Reddy Gosala, Ph.D  
Laboratory Director

### Report of Laboratory Analysis

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.



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LABORATORIES LTD.**

## CHAIN OF CUSTODY RECORD

COC#: 028031

92IP 78681

MUST BE COMPLETED BY CLIENT

Main Office: 10526 Guildale  
San Antonio, Texas 78216  
(210) 340-8121 • Fax (210) 340-8123

Branch: 2500 Montana Avenue  
El Paso, Texas 79903  
(915) 599-2182

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reports@alamoanalytical.com

Client's Name: <b>HRD Ecological Equations</b>	
Phone #: <b>512 423 2196</b>	
Project Manager: <b>Bill Davidson</b>	
Address: <b>PO Box 2196 Round Rock TX 78681</b>	
Project Number:	Project Name:
<b>512 423 2196</b>	<b>AARON 512 413</b>
Project Location: <b>Charro well in Hebberville TX</b>	
Sampler Signature: <i>[Signature]</i>	

Turnaround time: Standard (7)   
(in working days)

RUSH:  2  3-5  Days (additional charges)

TRRP 13 Report: Yes  No  (additional charges)

Permit Compliance: Yes  No

DMR Form Required: Yes  No

LAB ID# (Do not use)	Sampling		Composite	Grab	Matrix	FIELD ID#	FIELD DESCRIPTION	No of Containers	ANALYSIS		REMARKS (Preservation, Size/Amount, Etc.)	
	Date	Time										
19101001	08/25	11:45				Depth 9500		1				
19101002	08/25	11:45				Depth 10500		1				
19101003	08/25	11:45				Depth 11500		1				
Relinquished by: <i>Bill Davidson</i>			Date: <b>28</b>		Time: <b>1145</b>		Received by (Signature): <i>[Signature]</i>		If Yes, Amt. <b>NA</b>		If No, Explain _____	
Relinquished by: _____			Date: _____		Time: _____		Received by (Signature): _____		If No, Explain _____		If No, Temp. _____	
Relinquished by: _____			Date: _____		Time: _____		Received by (Signature): _____		If No, Explain _____		If No, Temp. _____	
Relinquished by: _____			Date: <b>10/28/19</b>		Time: <b>1145</b>		Received by (Signature): <i>[Signature]</i>		<p>Headspace <input checked="" type="checkbox"/> NA</p> <p>Properly Sealed <input checked="" type="checkbox"/></p> <p>Chilled <math>\leq</math> 4° C <input checked="" type="checkbox"/></p> <p>Comments: <b>Email A. Keel hot mail . com</b></p>			



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## Sample Log-In Checklist

DATE: 10/28/19 TIME: 11:50 INITIALS: [Signature]

CLIENT: HRD Ecological Equations PROJECT: W.O.# 1910110

1. Is a Chain of Custody present?  Yes  No
2. Is a Chain of Custody properly completed?  Yes  No
3. Are custody seals present?  
If yes, are they intact?  Yes  No  
Are they on: Sample \_\_\_\_\_ or on Shipping Container \_\_\_\_\_
4. Are all samples tagged or labeled?  
If yes, do the labels match the Chain of Custody?  Yes  No
5. Do all shipping documents agree (i.e., number of coolers arrived vs. on tickets)  
If not, describe below.  Yes  No  N/A
6. Are samples preserved properly? If not, describe below.  Yes  No
7. Are all samples within holding times on arrival?  
If not, describe below.  Yes  No
8. Condition of shipping container: Intact \_\_\_\_\_ or \_\_\_\_\_
9. Condition of samples: Intact  or \_\_\_\_\_
10. Temperature of samples: Temp. (°C): 4.0 Corrected Temp. (°C): 4.0 Thermometer ID: DT1 or L2
11. pH strip lot#: \_\_\_\_\_ Samples out of pH range: \_\_\_\_\_
12. Delivery agent: Client  UPS  Fed-Ex  Lone Star  Alamo P/U  Other \_\_\_\_\_
13. Sample disposal: Return to client \_\_\_\_\_ Alamo Analytical Disposal

**Comments:** (Reference checklist item number from above, or for comments on resolution below):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ [Signature]

### Record of contacting client for resolution of sample discrepancies (first and retry contact) Contacted How?

Name: \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Time: \_\_\_\_\_  
Name: \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Time: \_\_\_\_\_