

Report to:  
Darren Rowley



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Farmington, NM 87401

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Envirotech-inc.com



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

### Logos Resources

Project Name: Bondad 33-9#022A

Work Order: E204008

Job Number: 12035-0114

Received: 4/1/2022

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
4/8/22

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.  
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 4/8/22



Darren Rowley  
2010 Afton Place  
Farmington, NM 87401

Project Name: Bondad 33-9#022A  
Workorder: E204008  
Date Received: 4/1/2022 1:10:00PM

Darren Rowley,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/1/2022 1:10:00PM, under the Project Name: Bondad 33-9#022A.

The analytical test results summarized in this report with the Project Name: Bondad 33-9#022A apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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## Sample Summary

Logos Resources  
2010 Afton Place  
Farmington NM, 87401

Project Name: Bondad 33-9#022A  
Project Number: 12035-0114  
Project Manager: Darren Rowley

**Reported:**  
04/08/22 14:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SB # 1 West Wall N	E204008-01A	Soil	04/01/22	04/01/22	Glass Jar, 4 oz.
SB # 2 West Wall Middle	E204008-02A	Soil	04/01/22	04/01/22	Glass Jar, 4 oz.
SB # 3 West Wall West	E204008-03A	Soil	04/01/22	04/01/22	Glass Jar, 4 oz.
SB # 4 Base	E204008-04A	Soil	04/01/22	04/01/22	Glass Jar, 4 oz.



## Sample Data

Logos Resources 2010 Afton Place Farmington NM, 87401	Project Name: Bondad 33-9#022A Project Number: 12035-0114 Project Manager: Darren Rowley	<b>Reported:</b> 4/8/2022 2:47:51PM
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### SB # 1 West Wall N

#### E204008-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg		Analyst: IY		Batch: 2215051
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/22	04/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.0 %	70-130		04/07/22	04/08/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg		Analyst: AK		Batch: 2215037
Diesel Range Organics (C10-C28)	ND	25.0	1	04/06/22	04/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/06/22	04/07/22	
<i>Surrogate: n-Nonane</i>	88.6 %	50-200		04/06/22	04/07/22	



## Sample Data

Logos Resources  
2010 Afton Place  
Farmington NM, 87401

Project Name: Bondad 33-9#022A  
Project Number: 12035-0114  
Project Manager: Darren Rowley

**Reported:**  
4/8/2022 2:47:51PM

### SB # 2 West Wall Middle

**E204008-02**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2215051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/22	04/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.4 %	70-130		04/07/22	04/08/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AK		Batch: 2215037	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/06/22	04/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/06/22	04/07/22	
<i>Surrogate: n-Nonane</i>	92.5 %	50-200		04/06/22	04/07/22	



## Sample Data

Logos Resources 2010 Afton Place Farmington NM, 87401	Project Name: Bondad 33-9#022A Project Number: 12035-0114 Project Manager: Darren Rowley	<b>Reported:</b> 4/8/2022 2:47:51PM
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### SB # 3 West Wall West

**E204008-03**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2215051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/22	04/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.1 %	70-130		04/07/22	04/08/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AK		Batch: 2215037	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/06/22	04/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/06/22	04/07/22	
<i>Surrogate: n-Nonane</i>	89.8 %	50-200		04/06/22	04/07/22	



## Sample Data

Logos Resources  
2010 Afton Place  
Farmington NM, 87401

Project Name: Bondad 33-9#022A  
Project Number: 12035-0114  
Project Manager: Darren Rowley

**Reported:**  
4/8/2022 2:47:51PM

### SB # 4 Base

**E204008-04**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2215051	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/07/22	04/08/22	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	92.9 %	70-130		04/07/22	04/08/22	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AK		Batch: 2215037	
Diesel Range Organics (C10-C28)	27.9	25.0	1	04/06/22	04/07/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/06/22	04/07/22	
<i>Surrogate: n-Nonane</i>	84.8 %	50-200		04/06/22	04/07/22	





## QC Summary Data

Logos Resources	Project Name:	Bondad 33-9#022A	<b>Reported:</b>
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Darren Rowley	4/8/2022 2:47:51PM

### Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2215051-BLK1)

Prepared: 04/06/22 Analyzed: 04/08/22

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.42		8.00		92.7	70-130			

#### LCS (2215051-BS2)

Prepared: 04/06/22 Analyzed: 04/08/22

Gasoline Range Organics (C6-C10)	46.1	20.0	50.0		92.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.39		8.00		92.4	70-130			

#### LCS Dup (2215051-BSD2)

Prepared: 04/06/22 Analyzed: 04/08/22

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130	8.81	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			



## QC Summary Data

Logos Resources	Project Name:	Bondad 33-9#022A	<b>Reported:</b>
2010 Afton Place	Project Number:	12035-0114	
Farmington NM, 87401	Project Manager:	Darren Rowley	4/8/2022 2:47:51PM

### Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AK

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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#### Blank (2215037-BLK1)

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	36.7		50.0		73.4	50-200			

#### LCS (2215037-BS1)

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	437	25.0	500		87.4	38-132			
Surrogate: <i>n</i> -Nonane	42.2		50.0		84.5	50-200			

#### Matrix Spike (2215037-MS1)

Source: E204008-01

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	466	25.0	500	ND	93.2	38-132			
Surrogate: <i>n</i> -Nonane	46.1		50.0		92.2	50-200			

#### Matrix Spike Dup (2215037-MSD1)

Source: E204008-01

Prepared: 04/06/22 Analyzed: 04/07/22

Diesel Range Organics (C10-C28)	471	25.0	500	ND	94.2	38-132	1.02	20	
Surrogate: <i>n</i> -Nonane	43.8		50.0		87.6	50-200			

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



## Definitions and Notes

Logos Resources	Project Name:	Bondad 33-9#022A	
2010 Afton Place	Project Number:	12035-0114	<b>Reported:</b>
Farmington NM, 87401	Project Manager:	Darren Rowley	04/08/22 14:47

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



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**Sample Receipt Checklist (SRC)**

**Instructions:** Please take note of any NO checkmarks.

**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Logos Resources	Date Received:	04/01/22 13:10	Work Order ID:	E204008
Phone:	(505) 947-4974	Date Logged In:	04/01/22 15:23	Logged In By:	Caitlin Christian
Email:	drowley@logosresourcesllc.com	Due Date:	04/08/22 17:00 (5 day TAT)		

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Vanessa Fields

**Sample Turn Around Time (TAT)**

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: na

**Client Instruction**

**Comments/Resolution**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.