

**From:** [Carissa A. Dennison](#)  
**To:** [SWD\\_Waste](#)  
**Cc:** [Candia Mulhern](#); [Justin G. Roessler](#); [Adolfo A. Gonzalez](#)  
**Subject:** Resource Recovery (45799) Gas Monitoring - Quarter I, 2023  
**Date:** Tuesday, February 14, 2023 3:40:06 PM  
**Attachments:** [image001.png](#)  
[image002.png](#)  
[2023\\_02\\_10\\_Res\\_Rec\\_Gas\\_Monitoring\\_QI\\_Submittal.pdf](#)

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**EXTERNAL MESSAGE**

This email originated outside of DEP. Please use caution when opening attachments, clicking links, or responding to this email.

Good Afternoon,

Attached are the results of gas monitoring conducted at the Resource Recovery LF (45799) for Quarter I, 2023. If you have any questions feel free to contact us.

Thank you,



Carissa Dennison  
Assistant Laboratory Manager  
Utilities Environmental Laboratory  
Pasco County  
P 727-847-8902  
F 727-847-8112  
8864 Government Drive  
New Port Richey, FL 34654  
[cdennison@pascocountyfl.net](mailto:cdennison@pascocountyfl.net)

“Serving Our Community to Create a Better Future”



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CUSA18A7



Pasco County Utilities Services Branch  
Environmental Laboratory  
8864 Government Dr.  
New Port Richey, FL 34654

Office (727) 847-8902  
Fax (727) 847-8112

DHRS #E44123

February 14, 2023

Florida Department of  
Environmental Protection  
13051 N. Telecom Pkwy.  
Temple Terrace, FL 33637

RE: Pasco County Resource Recovery  
WACS ID 45799  
Quarter I, 2023 Gas Monitoring

To Whom It May Concern:

Enclosed please find the results of gas monitoring conducted at Pasco County Resource Recovery as required in the permit for this facility. The gas monitoring was conducted using a CES Landtec 5000 Gas Meter. The meter was allowed to run until a stable reading was obtained.

This completes the Quarter I, 2023 gas monitoring requirement at this facility. If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern  
Laboratory Manager

ENC.

cc: Adolfo A. González, P.E., LEED AP, Utilities Engineering Director  
Justin Roessler, Solid Waste Deputy Director

**UTILITIES ENVIRONMENTAL LABORATORY**

727-847-8902 | Environmental Laboratory | 8864 Government Dr. | New Port Richey, FL 34654





# Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary  
Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery  
Class I Landfill  
Hays Road  
Shady Hills, Fl

Report Date: 2/14/2023

Justin G. Roessler

|                |                |                |               |
|----------------|----------------|----------------|---------------|
| Sample Number: | <b>AD37048</b> | Sample ID:     | 2MW1 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023    |
| Time Sampled:  | 13:21          | Time Received: | 15:04         |
| Sampled By:    | J. STURM       | Received By:   | GT            |
|                |                | Delivered By:  | JS            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 13:21 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 13:21 | JS | 17.79  | D         | Feet  | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

**This Document Meets All the Requirements of the 2016 TNI Standards**

State Laboratory ID: E44123

EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD37049**  
Sample Method: Pumped  
Date Sampled: 02/10/2023  
Time Sampled: 13:27  
Sampled By: J. STURM

Sample ID: 4MW1 @ RESREC  
Sample Matrix: GAS  
Date Received: 02/10/2023  
Time Received: 15:04  
Received By: GT  
Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 13:27 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 13:27 | JS | 18.12  | D         | Feet  | 0               |

## Analysis Comments

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Candia E. Mulhern, Laboratory Manager

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## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |               |
|----------------|----------------|----------------|---------------|
| Sample Number: | <b>AD37050</b> | Sample ID:     | 2MW2 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023    |
| Time Sampled:  | 10:01          | Time Received: | 15:04         |
| Sampled By:    | J. STURM       | Received By:   | GT            |
|                |                | Delivered By:  | JS            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 10:01 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 10:01 | JS | 23.25  | D         | Feet  | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

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## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |               |
|----------------|----------------|----------------|---------------|
| Sample Number: | <b>AD37051</b> | Sample ID:     | 4MW2 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023    |
| Time Sampled:  | 09:57          | Time Received: | 15:04         |
| Sampled By:    | J. STURM       | Received By:   | GT            |
|                |                | Delivered By:  | JS            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:57 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:57 | JS | 23.49  | D         | Feet  | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

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## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD37052**  
Sample Method: Pumped  
Date Sampled: 02/10/2023  
Time Sampled: 12:11  
Sampled By: J. STURM

Sample ID: 2MW4 @ RESREC  
Sample Matrix: GAS  
Date Received: 02/10/2023  
Time Received: 15:04  
Received By: GT  
Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 12:11 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 12:11 | JS | 21.71  | D         | Feet  | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

## CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD37053**

Sample ID: 4MW4 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 02/10/2023

Date Received: 02/10/2023

Time Sampled: 11:57

Time Received: 15:04

Sampled By: J. STURM

Received By: GT

Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 11:57 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 11:57 | JS | 24.81  | D         | Feet  | 0               |

## Analysis Comments

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Candia E. Mulhern, Laboratory Manager

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## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |               |
|----------------|----------------|----------------|---------------|
| Sample Number: | <b>AD37054</b> | Sample ID:     | 2MW5 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023    |
| Time Sampled:  | 09:22          | Time Received: | 15:04         |
| Sampled By:    | J. STURM       | Received By:   | GT            |
|                |                | Delivered By:  | JS            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:22 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:22 | JS | 10.46  | D         | Feet  | 0               |

## Analysis Comments

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- MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |               |
|----------------|----------------|----------------|---------------|
| Sample Number: | <b>AD37055</b> | Sample ID:     | 4MW5 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023    |
| Time Sampled:  | 09:26          | Time Received: | 15:04         |
| Sampled By:    | J. STURM       | Received By:   | GT            |
|                |                | Delivered By:  | JS            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:26 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:26 | JS | 22.23  | D         | Feet  | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD37056**  
Sample Method: Pumped  
Date Sampled: 02/10/2023  
Time Sampled: 09:47  
Sampled By: J. STURM

Sample ID: 2MW6 @ RESREC  
Sample Matrix: GAS  
Date Received: 02/10/2023  
Time Received: 15:04  
Received By: GT  
Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:47 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:47 | JS | 24.94  | D         | Feet  | 0               |

## Analysis Comments

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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Contacts: Annamarie Cangialosi, Administrative Secretary  
Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |               |
|----------------|----------------|----------------|---------------|
| Sample Number: | <b>AD37057</b> | Sample ID:     | 4MW6 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023    |
| Time Sampled:  | 09:50          | Time Received: | 15:04         |
| Sampled By:    | J. STURM       | Received By:   | GT            |
|                |                | Delivered By:  | JS            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:50 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:50 | JS | 25.73  | D         | Feet  | 0               |

## Analysis Comments

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MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

**This Document Meets All the Requirements of the 2016 TNI Standards**

State Laboratory ID: E44123

EPA Lab Code: FL00137



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New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco  
Class III Landfill  
Hays Road  
Shady Hills, Fl

Report Date: 2/14/2023

Justin G. Roessler

|                |                |                |                  |
|----------------|----------------|----------------|------------------|
| Sample Number: | <b>AD37058</b> | Sample ID:     | 2MW7 @ CLASS III |
| Sample Method: | Pumped         | Sample Matrix: | GAS              |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023       |
| Time Sampled:  | 09:11          | Time Received: | 15:04            |
| Sampled By:    | J. STURM       | Received By:   | GT               |
|                |                | Delivered By:  | JS               |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:11 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:11 | JS | DRY    | D         | Feet  | 0               |

## Analysis Comments

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 XC = Reported value exceeds the MCL (F.A.C. 62-550).  
 MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco  
Class III Landfill  
Hays Road  
Shady Hills, Fl

Report Date: 2/14/2023

Justin G. Roessler

|                |                |                |                  |
|----------------|----------------|----------------|------------------|
| Sample Number: | <b>AD37059</b> | Sample ID:     | 2MW8 @ CLASS III |
| Sample Method: | Pumped         | Sample Matrix: | GAS              |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023       |
| Time Sampled:  | 09:06          | Time Received: | 15:04            |
| Sampled By:    | J. STURM       | Received By:   | GT               |
|                |                | Delivered By:  | JS               |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:06 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:06 | JS | 17.80  | D         | Feet  | 0               |

## Analysis Comments

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Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class III Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |                   |
|----------------|----------------|----------------|-------------------|
| Sample Number: | <b>AD37060</b> | Sample ID:     | 2MW10 @ CLASS III |
| Sample Method: | Pumped         | Sample Matrix: | GAS               |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023        |
| Time Sampled:  | 09:01          | Time Received: | 15:04             |
| Sampled By:    | J. STURM       | Received By:   | GT                |
|                |                | Delivered By:  | JS                |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 09:01 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 09:01 | JS | DRY    | D         | Feet  | 0               |

## Analysis Comments

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

**This Document Meets All the Requirements of the 2016 TNI Standards**

State Laboratory ID: E44123

EPA Lab Code: FL00137



# Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |                 |
|----------------|----------------|----------------|-----------------|
| Sample Number: | <b>AD37061</b> | Sample ID:     | 4MW11D @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS             |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023      |
| Time Sampled:  | 08:23          | Time Received: | 15:04           |
| Sampled By:    | J. STURM       | Received By:   | GT              |
|                |                | Delivered By:  | JS              |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 08:23 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 08:23 | JS | 35.68  | D         | Feet  | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

U = Indicates that the compound was analyzed for but not detected.

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD37062**

Sample ID: 4MW12D @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 02/10/2023

Date Received: 02/10/2023

Time Sampled: 08:20

Time Received: 15:04

Sampled By: J. STURM

Received By: GT

Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 08:20 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 08:20 | JS | 26.49  | D         | Feet  | 0               |

## Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| Sample Number: | <b>AD37063</b> | Sample ID:     | 2MW13 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS            |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023     |
| Time Sampled:  | 08:26          | Time Received: | 15:04          |
| Sampled By:    | J. STURM       | Received By:   | GT             |
|                |                | Delivered By:  | JS             |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 08:26 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 08:26 | JS | 25.95  | D         | Feet  | 0               |

## Analysis Comments

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Candia E. Mulhern, Laboratory Manager

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EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, FL

Justin G. Roessler

|                |                |                |                 |
|----------------|----------------|----------------|-----------------|
| Sample Number: | <b>AD37064</b> | Sample ID:     | 4MW13D @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS             |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023      |
| Time Sampled:  | 08:32          | Time Received: | 15:04           |
| Sampled By:    | J. STURM       | Received By:   | GT              |
|                |                | Delivered By:  | JS              |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 08:32 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 08:32 | JS | 21.12  | D         | Feet  | 0               |

## Analysis Comments

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Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |                 |
|----------------|----------------|----------------|-----------------|
| Sample Number: | <b>AD37065</b> | Sample ID:     | 4MW14D @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS             |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023      |
| Time Sampled:  | 08:50          | Time Received: | 15:04           |
| Sampled By:    | J. STURM       | Received By:   | GT              |
|                |                | Delivered By:  | JS              |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 08:50 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 08:50 | JS | 23.03  | D         | Feet  | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

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- XC = Reported value exceeds the MCL (F.A.C. 62-550).
- MCL=Maximum Contaminant Level

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Chris Childress, QA/QC Officer

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| Sample Number: | <b>AD37066</b> | Sample ID:     | 2MW15 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS            |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023     |
| Time Sampled:  | 13:38          | Time Received: | 15:04          |
| Sampled By:    | J. STURM       | Received By:   | GT             |
|                |                | Delivered By:  | JS             |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 13:38 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 13:38 | JS | 22.76  | D         | Feet  | 0               |

## Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

Sample Number: **AD37067**

Sample ID: 2MW17S @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 02/10/2023

Date Received: 02/10/2023

Time Sampled: 11:07

Time Received: 15:04

Sampled By: J. STURM

Received By: GT

Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 11:07 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 11:07 | JS | 27.37  | D         | Feet  | 0               |

## Analysis Comments

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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |                 |
|----------------|----------------|----------------|-----------------|
| Sample Number: | <b>AD37068</b> | Sample ID:     | 2MW18D @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS             |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023      |
| Time Sampled:  | 11:20          | Time Received: | 15:04           |
| Sampled By:    | J. STURM       | Received By:   | GT              |
|                |                | Delivered By:  | JS              |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 11:20 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 11:20 | JS | 26.82  | D         | Feet  | 0               |

## Analysis Comments

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Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123

EPA Lab Code: FL00137



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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin G. Roessler

|                |                |                |                |
|----------------|----------------|----------------|----------------|
| Sample Number: | <b>AD37069</b> | Sample ID:     | 2MW19 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS            |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023     |
| Time Sampled:  | 11:41          | Time Received: | 15:04          |
| Sampled By:    | J. STURM       | Received By:   | GT             |
|                |                | Delivered By:  | JS             |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method  | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|---------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER   | 02/10/2023 | 11:41 | JS | 0.0    | D         | % LEL | 0               |
| Water Level (Static)        | DEP-SOP | 02/10/2023 | 11:41 | JS | 25.55  | D         | Feet  | 0               |

## Analysis Comments

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Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123

EPA Lab Code: FL00137



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Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

|                |                |                |               |
|----------------|----------------|----------------|---------------|
| Sample Number: | <b>AD37070</b> | Sample ID:     | GMP1 @ RESREC |
| Sample Method: | Pumped         | Sample Matrix: | GAS           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023    |
| Time Sampled:  | 11:13          | Time Received: | 15:04         |
| Sampled By:    | J. STURM       | Received By:   | GT            |
|                |                | Delivered By:  | JS            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 11:13 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

U = Indicates that the compound was analyzed for but not detected.

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## CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD37071**  
Sample Method: Pumped  
Date Sampled: 02/10/2023  
Time Sampled: 10:36  
Sampled By: J. STURM

Sample ID: GMP2 @ RESREC  
Sample Matrix: GAS  
Date Received: 02/10/2023  
Time Received: 15:04  
Received By: GT  
Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 10:36 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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MCL=Maximum Contaminant Level

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State Laboratory ID: E44123

EPA Lab Code: FL00137



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Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

## CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD37072**  
Sample Method: Pumped  
Date Sampled: 02/10/2023  
Time Sampled: 10:29  
Sampled By: J. STURM

Sample ID: GMP3 @ RESREC  
Sample Matrix: GAS  
Date Received: 02/10/2023  
Time Received: 15:04  
Received By: GT  
Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 10:29 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

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MCL=Maximum Contaminant Level

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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD37073**  
Sample Method: Pumped  
Date Sampled: 02/10/2023  
Time Sampled: 11:36  
Sampled By: J. STURM

Sample ID: GMP4 @ RESREC  
Sample Matrix: GAS  
Date Received: 02/10/2023  
Time Received: 15:04  
Received By: GT  
Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 11:36 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

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## CLIENT/SAMPLE INFORMATION

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD37074**  
Sample Method: Pumped  
Date Sampled: 02/10/2023  
Time Sampled: 11:49  
Sampled By: J. STURM

Sample ID: GMP5 @ RESREC  
Sample Matrix: GAS  
Date Received: 02/10/2023  
Time Received: 15:04  
Received By: GT  
Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 11:49 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

U = Indicates that the compound was analyzed for but not detected.

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XC = Reported value exceeds the MCL (F.A.C. 62-550).

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Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

Resource Recovery

Report Date: 2/14/2023

Class I Landfill

Hays Road

Shady Hills, Fl

Justin Roessler

Sample Number: **AD37075**

Sample ID: GMP6 @ RESREC

Sample Method: Pumped

Sample Matrix: GAS

Date Sampled: 02/10/2023

Date Received: 02/10/2023

Time Sampled: 10:42

Time Received: 15:04

Sampled By: J. STURM

Received By: GT

Delivered By: JS

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 10:42 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

U = Indicates that the compound was analyzed for but not detected.

I = Reported value is greater than or equal to the detection limit, but less than PQL.

XC = Reported value exceeds the MCL (F.A.C. 62-550).

MCL=Maximum Contaminant Level

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards





# Pasco County Utilities Environmental Laboratory Report

8864 Government Drive

New Port Richey, FL 34654

Phone: (727) 847-8902 Fax: (727) 847-8112

Contacts: Annamarie Cangialosi, Administrative Secretary

Chris Childress, QA/QC Officer

## CLIENT/SAMPLE INFORMATION

Hours: Mon-Fri 8am-5pm

West Pasco  
Class III Landfill  
Hays Road  
Shady Hills, Fl

Report Date: 2/14/2023

Justin Roessler

|                |                |                |                               |
|----------------|----------------|----------------|-------------------------------|
| Sample Number: | <b>AD37076</b> | Sample ID:     | LF OPERATIONS OFF @ CLASS III |
| Sample Method: | Pumped         | Sample Matrix: | GAS                           |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023                    |
| Time Sampled:  | 13:47          | Time Received: | 15:04                         |
| Sampled By:    | J. STURM       | Received By:   | GT                            |
|                |                | Delivered By:  | JS                            |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 13:47 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

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## CLIENT/SAMPLE INFORMATION

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West Pasco Landfill

Report Date: 2/14/2023

Hays Road  
Shady Hills, Fl

Justin Roessler

|                |                |                |                         |
|----------------|----------------|----------------|-------------------------|
| Sample Number: | <b>AD37077</b> | Sample ID:     | SCALE HOUSE @ CLASS III |
| Sample Method: | Pumped         | Sample Matrix: | GAS                     |
| Date Sampled:  | 02/10/2023     | Date Received: | 02/10/2023              |
| Time Sampled:  | 13:59          | Time Received: | 15:04                   |
| Sampled By:    | J. STURM       | Received By:   | GT                      |
|                |                | Delivered By:  | JS                      |

## REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

| Analysis                    | Method | Date       | Time  | By | Result | Qualifier | Unit  | Detection Limit |
|-----------------------------|--------|------------|-------|----|--------|-----------|-------|-----------------|
| Percent Lower Explosive Lin | METER  | 02/10/2023 | 13:59 | JS | 0.0    | D         | % LEL | 0               |

## Analysis Comments

Candia E. Mulhern, Laboratory Manager

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