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

#### **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

"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,

ander Thethe

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

	CALIBRATION INFORMATION: GAS METER: GEM5000 S/N: G501365 FACTORY CALIBRATED: JULY 2022 CALIB DUE: JULY 2023										
Calibration GA			t #4130705			1/01/2024		libration Date: 02/10/2023			
Start Calib: TV	/ = 15% CH4	Observed	Value = 15	% 1	vleter Cali	brated:	Yes Calib	Time: 07:10 Analyst: JS			
Ending Calib:	TV = 15% CI	H4 Obsen	ved Value =	15% Me	eter Calibr	ated: Ye	s Calib 1	fime: 15:30 Analyst: JS			
COMMENTS:											
WELL ID	DATE	TIME	WLEV (ff)	% CH4	% LEL	Analyst	Lab ID #	Comments			
2MW-1	10-Feb	13:21	17.79	0.0	0.0	JS	AD37048				
4MW-1	10-Feb	13:27	18.12	0.0	0.0	SL	AD37049				
2MW-2	10-Feb	10:01	23.25	0.0	0.0	JS	AD37050				
4MW-2	10-Feb	09:57	23.49	0.0	0.0	SL	AD37051				
2MW-4	10-Feb	12:11	21.71	0.0	0.0	ZL	AD37052				
4MW-4	10-Feb	11:57	24.81	0.0	0.0	ZL	AD37053				
2MW-5	10-Feb	09:22	10.46	0.0	0.0	JS	AD37054				
4MW-5	10-Feb	09:26	22.23	0.0	0.0	SL	AD37055				
2MW-6	10-Feb	09:47	24.94	0.0	0.0	JS	AD37056				
4MW-6	10-Feb	09:50	25.73	0.0	0.0	SL	AD37057				
2MW-7	10-Feb	09:11	DRY	0.0	0.0	SL	AD37058				
2MW-8	10-Feb	09:06	17.80	0.0	0.0	ZL	AD37059				
2MW-10	10-Feb	09:01	DRY	0.0	0.0	SL	AD37060				
4MW-11D	10-Feb	08:23	35.68	0.0	0.0	ZL	AD37061				
4MW-12D	10-Feb	08:20	26.49	0.0	0.0	SL	AD37062				
2MW-13D	10-Feb	08:26	25.95	0.0	0.0	SL	AD37063				
4MW-13D	10-Feb	08:32	21.12	0.0	0.0	ZL	AD37064				
4MW-14D	10-Feb	08:50	23.03	0.0	0.0	ZL	AD37065				
2MW-15DA	10-Feb	13:38	22.76	0.0	0.0	ZL	AD37066				
2MW-175	10-Feb	11:07	27.37	0.0	0.0	ZL	AD37067				
2MW-18D	10-Feb	11:20	26.82	0.0	0.0	SL	AD37068				
2MW-19D	10-Feb	11:41	25.55	0.0	0.0	ZL	AD37069				
GMP-1	10-Feb	11:13		0.0	0.0	JS	AD37070				
GMP-2	10-Feb	10:36		0.0	0.0	JS	AD37071				
GMP-3	10-Feb	10:29		0.0	0.0	JS	AD37072				
GMP-4	10-Feb	11:36		0.0	0.0	JS	AD37073				
GMP-5	10-Feb	11:49		0.0	0.0	JS	AD37074				
GMP-6	10-Feb	10:42		0.0	0.0	JS	AD37075				
LF OpOFF	10-Feb	13:47		0.0	0.0	JS	AD37076				
Scalehouse	10-Feb	13:59		0.0	0.0	JS	AD37077				

#### RESOURCE RECOVERY LANDFILL GAS MONITORING - QTR I YEAR 2023



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

Feet

0

D

**8864** Government Drive New Port Richey, FL 34654 Phone: (727) 847-8902 Fax: (727) 847-8112 Contacts: Annamarie Cangialosi, Administrative Secretary Chris Childress, OA/OC Officer

#### **CLIENT/SAMPLE INFORMATION**

**Resource Recovery** Class I Landfill Hays Road Shady Hills, FI

Justin G. Roessler

Water Level (Static)

Sample Number: Sample Method: Date Sampled: Time Sampled: Sampled By:	AD37048 Pumped 02/10/2023 13:21 J. STURM		Sample Sample Date Re Time Re Receive Delivere	Matrix: ceived: ceived: d By: d By:	GAS 02/10/ 15:04 GT JS			
REPORT OF ANALYSES These results re		elate only to the sam	ple indicate	d above and	d meet all requ	irements of the	2016 TNI s	tandards.
Analysis Method Percent Lower Explosive Lin METER		<b>Date</b> 02/10/2023	<b>Time</b> 13:21	By JS	Result 0.0	Qualifier D	Unit % LEL	Detection Limit

13:21 JS

17.79

02/10/2023

**Analysis Comments** 

Candia Z. Thulhen

Candia E. Mulhern, Laboratory Manager

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

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DEP-SOP

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



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Annamarie Cangialosi, Administrative Secretary Chris Childress, QA/QC Officer

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

REPORT OF ANAL	YSES These results rela	ate only to the sample indicated above and i	meet all requirements of the 2016 TNI standards.
		Delivered By:	JS
Sampled By:	J. STURM	Received By:	GT
Time Sampled:	13:27	Time Received:	15:04
Date Sampled:	02/10/2023	Date Received:	02/10/2023
Sample Method:	Pumped	Sample Matrix:	GAS
Sample Number:	AD37049	Sample ID:	4MW1 @ RESREC

Analysis		Data		<b>D</b>	D 11	0		
Analysis	Method	Date	Time	Ву	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. 1

Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123 EPA Lab Code: FL00137



23.25

D

Feet

0

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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Phone: (727) 847-8902 Fax: (727) 847-8112
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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Water Level (Static)

Sample Number:	AD37050		2 @ RESRE	С				
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		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	REPORT OF ANALYSES These results re		ple indicate	d above and	meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin METER		02/10/2023	10:01	JS	0.0	D	% LEL	0

02/10/2023 10:01 JS

**Analysis Comments** 

Candia Z. Mulhen

Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123 EPA Lab Code: FL00137



23.49

D

Feet

0

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#### **CLIENT/SAMPLE INFORMATION**

**Resource Recovery** Class | Landfill Hays Road Shady Hills, FI

Justin G. Roessler

Sample Number:	AD37051		Sample ID: 4MW2 @					
Sample Method:	Pumped		Sample Matrix:		GAS			
Date Sampled:	02/10/2023		Date Re	Received: 02		2023		
Time Sampled:	09:57		Time Received:		15:04	15:04		
Sampled By:	Sampled By: J. STURM		Received By:		GT			
			Delivere	d By:	JS			
REPORT OF ANALYSES These results re		relate only to the sam	ple indicate	d above and	d meet all requ	irements of the	2016 TNI s	tandards.
Analysis Method		Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Lin METER		02/10/2023	09:57	JS	0.0	D	% LEL	0

02/10/2023 09:57 JS

**Analysis Comments** 

Water Level (Static)

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Cantio E. Mulher

Candia E. Mulhern, Laboratory Manager

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

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 1 of 1

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023



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#### **CLIENT/SAMPLE INFORMATION**

**Resource Recovery** Class | Landfill Hays Road Shady Hills, FI

Justin G. Roessler

Sample Number:	AD37	052		Sample	ID:	2MW4	@ RESRE	5	
Sample Method:	•			Sample Matrix:		GAS			
Date Sampled:	02/10	/2023	Date Received:		02/10/	2023			
Time Sampled:	12:11		Time Received: 15:04						
Sampled By: J. STURM		JRM		Receive	d By:	GT			
	0.0101.01			Delivere	d By:	JS			
REPORT OF ANAL	YSES	These results	relate only to the samp	ole indicate	d above and	meet all requ	irements of the	2016 TNI s	tandards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Lin METER		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** 

Cambia E. Mulher

Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 1 of 1

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023



Report Date: 2/14/2023

D

Feet

24.81

0

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Contacts: Annamarie Cangialosi, Administrative Secretary Chris Childress, QA/QC Officer
Hours: Mon-Fri 8am-5pm

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Water Level (Static)

Sample Number:	AD37	053		Sample	ID:	4MW4	4 @ RESRE	C	
Sample Method:				Sample Matrix:		GAS			
Date Sampled:	02/10/2023			Date Receive		02/10/	2023		
Time Sampled:	11:57			Time Re	ceived:	15:04	15:04		
Sampled By:	Sampled By: J. STURM			Receive	d By:	GT			
				Delivere	d By:	JS			
REPORT OF ANA	REPORT OF ANALYSES These results rela		relate only to the sam	ple indicate	d above an	d meet all requ	irements of the	2016 TNI s	standards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Exp	losive Lin	METER	02/10/2023	11:57	JS	0.0	D	% LEL	0
								<b>—</b> ·	•

02/10/2023

11:57 JS

**Analysis Comments** 

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DEP-SOP

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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



10.46

D

Feet

0

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

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

Justin G. Roessler

Sample Number:	AD37054			5 @ RESRE	С			
Sample Method: Date Sampled:	Pumped 02/10/2023		Sample Date Re		GAS 02/10/	2002		
Time Sampled:	09:22		Time Received:		15:04	2023		
Sampled By:	J. STURM		Received By:					
			Delivered By: relate only to the sample indicated above an				0040 TH	
REPORT OF ANALYSES These results rel		relate only to the sam	ple indicate	d above an	d meet all requ	irements of the	2016 I NI s	standards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Lin METER		02/10/2023	09:22	JS	0.0	D	% LEL	0

02/10/2023

09:22 JS

**Analysis Comments** 

Water Level (Static)

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Candia Z. Mulher

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 1 of 1

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023



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Report Date: 2/14/2023

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#### **CLIENT/SAMPLE INFORMATION**

**Resource Recovery** Class I Landfill Havs Road Shady Hills, Fl

Justin G. Roessler

Water Level (Static)

Sample Number:	AD37055		Sample	ID:	4MW5	0 @ RESRE	2				
Sample Method:	Pumped		Sample	Matrix:	GAS	GAS					
Date Sampled:	02/10/2023	02/10/2023			02/10/	02/10/2023					
Time Sampled:	09:26		Time Received:		15:04	15:04					
Sampled By: J. STURM			Receive	d By:	GT						
			Delivere	d By:	JS						
REPORT OF ANAL	YSES These res	ults relate only to the sam	ple indicate	d above and	d meet all requ	irements of the	2016 TNI s	tandards.			
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>			
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			

02/10/2023 09:26 JS

**Analysis Comments** 

Cantio E. Thulhe

Candia E. Mulhern, Laboratory Manager

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This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Annamarie Cangialosi, Administrative Secretary Chris Childress, QA/QC Officer

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD37	AD37056		Sample	ID:	2MW6	0 @ RESREC	0	
Sample Method:	Pump	Pumped			Matrix:	GAS			
Date Sampled:	02/10	02/10/2023		Date Received:		02/10/	2023		
Time Sampled:	09:47	09:47		Time Re	ceived:	15:04			
Sampled By:	J. STURM			Receive	d By:	GT			
				Delivere	d By:	JS			
REPORT OF ANAL	YSES	These results r	elate only to the samp	ole indicate	d above and	l meet all requ	irements of the	2016 TNI s	tandards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Lin METER 02		02/10/2023	09:47	JS	0.0	D	% LEL	0	
		02/10/2023	09:47	JS	24.94	D	Feet	0	

**Analysis Comments** 

Candie E. Mulher

Candia E. Mulhern, Laboratory Manager

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#### **CLIENT/SAMPLE INFORMATION**

Hours: Mon-Fri 8am-5pm

Resource Recovery Class I Landfill	Report Date:	2/14/2023
Hays Road Shady Hills, Fl		
Justin G. Roessler		

Sample Number: Sample Method: Date Sampled: Time Sampled: Sampled By: REPORT OF ANAL	09:50 J. ST	ved /2023 URM	relate only to the samp	Sample Sample Date Re Time Re Receive Delivere	Matrix: ceived: ceived: d By: d By:	GAS 02/10/ 15:04 GT JS			
Analysis		Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Percent Lower Expl Water Level (Static)		METER DEP-SOP	02/10/2023 02/10/2023	09:50 09:50	JS JS	0.0 25.73	D	% LEL Feet	0

**Analysis Comments** 

Cantio Z. Mulher

D

Feet

0

Candia E. Mulhern, Laboratory Manager

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MCL=Maximum Contaminant Level



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#### **CLIENT/SAMPLE INFORMATION**

 West Pasco
 Report Date: 2/14/2023

 Class III Landfill
 Hays Road

 Shady Hills, Fl
 Hays Road

Justin G. Roessler

Sample Number: Sample Method:	<b>AD37</b> Pump			Sample Sample		2MW7 GAS	7 @ CLASS I	11	
Date Sampled:	02/10	/2023		Date Re	ceived:	02/10/	2023		
Time Sampled:	09:11			Time Re	ceived:	15:04			
Sampled By:	J. ST	URM		Receive	d By:	GT			
				Delivere	d By:	JS			
REPORT OF ANAL	YSES	These results	relate only to the same	ole indicate	d above and	l meet all requ	irements of the	2016 TNI s	tandards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Expl	osive Lin	METER	02/10/2023	09:11	JS	0.0	D	% LEL	0
Water Level (Static)	ł.	DEP-SOP	02/10/2023	09:11	JS	DRY	D	Feet	0

**Analysis Comments** 

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Cantio E. Mulher

Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123 EPA Lab Code: FL00137 Hours: Mon-Fri 8am-5pm



17.80

D

Feet

0

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

#### **CLIENT/SAMPLE INFORMATION**

Hours: Mon-Fri 8am-5pm

 West Pasco
 Report Date: 2/14/2023

 Class III Landfill
 Hays Road

 Shady Hills, Fl
 Stady Hills, Fl

Justin G. Roessler

Water Level (Static)

Sample Number: Sample Method: Date Sampled: Time Sampled: Sampled By:	AD37 Pump 02/10, 09:06 J. STU	JRM		Sample Sample Date Re Time Re Receive Delivere	Matrix: ceived: ceived: d By: d By:	GAS 02/10/ 15:04 GT JS			
REPORT OF ANAL	YSES	These results	relate only to the same	ple indicate	d above ar		irements of the	2016 TNI s	tandards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Expl	osive Lin	METER	02/10/2023	09:06	JS	0.0	D	% LEL	0

09:06 JS

02/10/2023

**Analysis Comments** 

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

DEP-SOP

ander E. Muls

Candia E. Mulhern, Laboratory Manager

MCL=Maximum Contaminant Level

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



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**

**Resource Recovery** Class III Landfill Hays Road Shady Hills, FI

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

Justin G. Roessler

Sample Number:	AD37	060		Sample	ID:	2MW <sup>2</sup>	10 @ CLASS	5 III	
Sample Method:	Pump	ed		Sample	Matrix:	GAS			
Date Sampled:	02/10/	2023		Date Re	ceived:	02/10/	2023		
Time Sampled: 09:0				Time Received:		15:04			
Sampled By:	J. STU	JRM		Receive	d By:	GT			
				Delivere	d By:	JS			
REPORT OF ANAL	YSES	These results	relate only to the samp	ole indicate	d above and	meet all requ	irements of the	2016 TNI s	tandards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Expl	osive 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** 

Cambio Z. Mulher

Candia E. Mulhern, Laboratory Manager

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

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

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

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137

MCL=Maximum Contaminant Level



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

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Hills, Fl

s. Fl

Justin G. Roessler

Sample Number:	AD37	061		Sample	ID:	<b>4MW</b> 1	11D @ RESF	REC	
Sample Method:	Pump	ed		Sample	Matrix:	GAS			
Date Sampled:	02/10	/2023		Date Re	ceived:	02/10/	2023		
Time Sampled:	08:23			Time Re	ceived:	15:04			
Sampled By:	J. ST	JRM		Receive	d By:	GT			
				Delivere	d By:	JS			
REPORT OF ANAL	YSES	These results	relate only to the samp	ole indicate	d above and	I meet all requ	irements of the	2016 TNI s	tandards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explo	osive 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 Z. Mulher

Candia E. Mulhern, Laboratory Manager

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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 Hours: Mon-Fri 8am-5pm Report Date: 2/14/2023



26.49

D

Feet

Report Date: 2/14/2023

0

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Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Annamarie Cangialosi, Administrative Secretary Chris Childress, QA/QC Officer
Hours: Mon-Fri 8am-5pm

#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Sample Number:	AD37062		Sample		<b>4MW</b> 1	2D @ RESP	REC	
Sample Method:	Pumped		Sample	Matrix:	GAS			
Date Sampled:	02/10/2023		Date Re	ceived:	02/10/	2023		
Time Sampled:	08:20		Time Re	ceived:	15:04			
Sampled By:	J. STURM		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	YSES These results	relate only to the sam	ole indicate	d above an	d meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explo	sive Lin METER	02/10/2023	08:20	JS	0.0	D	% LEL	0

02/10/2023 08:20 JS

Analysis Comments

Candia E. Mulher

Candia E. Mulhern, Laboratory Manager

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

Water Level (Static) DEP-SOP

MCL=Maximum Contaminant Level

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



25.95

D

Feet

0

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Water Level (Static)

Sample Number:	AD37063		Sample	ID:	2MW1	13 @ RESRI	EC	
Sample Method:	Pumped		Sample	Matrix:	GAS			
Date Sampled:	02/10/2023		Date Re	ceived:	02/10/	2023		
Time Sampled:	08:26		Time Re	eceived:	15:04			
Sampled By:	J. STURM		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	YSES These results	relate only to the sam	ole indicate	d above and	l meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Expl	osive Lin METER	02/10/2023	08:26	JS	0.0	D	% LEL	0

08:26 JS

02/10/2023

**Analysis Comments** 

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DEP-SOP

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

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Candia E. Mulher

Candia E. Mulhern, Laboratory Manager

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

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 1 of 1

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023



21.12

D

Feet

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

0

Justin G. Roessler

Water Level (Static)

Sample Number:	AD37064		Sample	ID:	4MW1	3D @ RESP	REC	
Sample Method:	Pumped		Sample		GAS			
Date Sampled:	02/10/2023		Date Re	ceived:	02/10/	2023		
Time Sampled:	08:32		Time Re	ceived:	15:04			
Sampled By:	J. STURM		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	YSES These results	relate only to the samp	ole indicate	d above and	meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Expl	osive Lin METER	02/10/2023	08:32	JS	0.0	D	% LEL	0

08:32 JS

02/10/2023

**Analysis Comments** 

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DEP-SOP

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

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Candia Z. Thulhe

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, FI

Justin G. Roessler

REPORT OF ANAL	YSES These results	relate only to the s	ample indicated above and	l meet all requ	irements of the	2016 TNI	standards.
			Delivered By:	JS			
Sampled By:	J. STURM		Received By:	GT			
Time Sampled:	08:50		Time Received:	15:04			
Date Sampled:	02/10/2023		Date Received:	02/10/	2023		
Sample Method:	Pumped		Sample Matrix:	GAS			
Sample Number:	AD37065		Sample ID:	<b>4MW</b> 1	14D @ RESF	REC	

02/10/2023

02/10/2023

JS

08:50

08:50 JS

0.0

23.03

Percent Lower Explosive Lin METER Water Level (Static)

DEP-SOP

**Analysis Comments** 

Candia Z. Mulher

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

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137

Page 1 of 1

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

% LEL

Feet

D

D

0

0



JS

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#### **CLIENT/SAMPLE INFORMATION**

Hours: Mon-Fri 8am-5pm

Resource Recovery	y		Report Date: 2/14/2023	
Class I Landfill				
Hays Road				
Shady Hills, Fl				
Justin G. Roessler				
Sample Number:	AD37066	Sample ID:	2MW15 @ RESREC	
Sample Number: Sample Method:	<b>AD37066</b> Pumped	Sample ID: Sample Matrix:	2MW15 @ RESREC GAS	
		•	-	
Sample Method:	Pumped	Sample Matrix:	GAS	

#### **REPORT OF ANALYSES**

Analysis	Method	Date	Time	Ву	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

Delivered By:

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

**Analysis Comments** 

Cantio E. Mulher

Candia E. Mulhern, Laboratory Manager

 $\ensuremath{\mathsf{U}}\xspace$  = 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

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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#### **CLIENT/SAMPLE INFORMATION**

**Resource Recovery** Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Water Level (Static)

O a marka Nicorah a m			0		0104/			
Sample Number:	AD37067		Sample ID:		210100	17S @ RESF	KEC	
Sample Method:			Sample Matrix:		GAS			
Date Sampled:	02/10/2023	5		Date Received:		2023		
Time Sampled:	11:07		Time Re	ceived:	15:04			
Sampled By:	J. STURM		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	<b>YSES</b> These results	relate only to the sam	ple indicate	d above and	meet all requ	irements of the	2016 TNI s	tandards.
Analysis Method		Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Expl	osive Lin METER	02/10/2023	11:07	JS	0.0	D	% LEL	0

02/10/2023

11:07 JS

**Analysis Comments** 

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DEP-SOP

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

MCL=Maximum Contaminant Level

Cantio E. Thulk

D

Feet

0

27.37

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



26.82

D

Feet

0

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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New Port Richey, FL 34654
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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Water Level (Static)

Sample Number: Sample Method:	AD37 Pump			Sample Sample		2MW <sup>2</sup> GAS	18D @ RESI	REC	
Date Sampled: 02/10/2023			Date Received:		02/10/2023				
Time Sampled: 11:20			Time Received:		15:04	15:04			
Sampled By:	Sampled By: J. STURM			Receive	d By:	GT			
				Delivere	d By:	JS			
REPORT OF ANALYSES The		These results	relate only to the same	ole indicate	d above and	d meet all requ	irements of the	2016 TNI s	tandards.
Analysis		Method	Date	Time	Ву	Result	Qualifier	Unit	Detection Limit
Percent Lower Explosive Lin METER		02/10/2023	11:20	JS	0.0	D	% LEL	0	

02/10/2023 11:20 JS

**Analysis Comments** 

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DEP-SOP

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Candia Z. Mulher

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

% LEL

Feet

D

D

0

0

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#### **CLIENT/SAMPLE INFORMATION**

Percent Lower Explosive Lin METER

DEP-SOP

**Resource Recovery** Class | Landfill Hays Road Shady Hills, Fl

Justin G. Roessler

Water Level (Static)

Analysis	Method	Date	Time E	By	Result	Qualifier	Unit	<b>Detection Limit</b>
REPORT OF ANAL	LYSES These results	relate only to the s	ample indicated a	bove and	meet all requ	irements of the	2016 TNI	standards.
			Delivered I	Зу:	JS			
Sampled By:	J. STURM		Received I	By:	GT			
Time Sampled:	11:41		Time Rece	ived:	15:04			
Date Sampled:	02/10/2023		Date Rece	ived:	02/10/	2023		
Sample Method:	Pumped		Sample Ma	atrix:	GAS			
Sample Number:	AD37069		Sample ID	:	2MW1	9 @ RESRE	EC	

JS

11:41

11:41 JS

0.0

25.55

02/10/2023

02/10/2023

**Analysis Comments** 

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Cambia E. Mulhe

Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin Roessler

Sample Number:	AD37070		Sample	ID:	GMP1	@ RESREC	>	
Sample Method:			Sample	Matrix:	GAS			
Date Sampled:	ate Sampled: 02/10/2023		Date Received:		02/10/	2023		
Time Sampled:	11:13		Time Re	eceived:	15:04			
Sampled By:	Sampled By: J. STURM		Receive	d By:	GT			
			Delivered By:					
REPORT OF ANAL	YSES These results	relate only to the sam	ple indicate	d above and	d meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Lin METER		02/10/2023	11:13	JS	0.0	D	% LEL	0

**Analysis Comments** 

Cambio E. Muller

Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin Roessler

Sample Number:	AD37071		Sample ID:		GMP2	@ RESREC	2	
Sample Method:	ample Method: Pumped		Sample Matrix:		GAS			
Date Sampled:	•		Date Received:		02/10/2023			
Time Sampled: 10:36			Time Received:		15:04	15:04		
Sampled By:	J. STURM		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	LYSES These results	relate only to the sam	ple indicate	d above and	I meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Expl	losive Lin METER	02/10/2023	10:36	JS	0.0	D	% LEL	0

**Analysis Comments** 

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MCL=Maximum Contaminant Level

Cantin E. Mulhen

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin Roessler

Sample Number:	AD37072		Sample	ID:	GMP3	@ RESREC	2	
Sample Method:	thod: Pumped		Sample Matrix:		GAS			
Date Sampled:	02/10/2023		Date Received:		02/10/	2023		
Time Sampled:	e Sampled: 10:29		Time Received:		15:04			
Sampled By:	• • • • • • • • • • • • • • • • • • • •		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANA	LYSES These results	relate only to the sam	ple indicate	d above and	l meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Exp	losive Lin METER	02/10/2023	10:29	JS	0.0	D	% LEL	0

**Analysis Comments** 

Cantio E. Mulher

Candia E. Mulhern, Laboratory Manager

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

Justin Roessler

Sample Number:	AD37073		Sample	ID:	GMP4	@ RESREC	2	
Sample Method:	Sample Method: Pumped		Sample Matrix:		GAS			
Date Sampled:	Date Sampled: 02/10/2023		Date Received:		02/10/	2023		
Time Sampled: 11:36			Time Received:		15:04			
Sampled By:	J. STURM		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	LYSES These results	relate only to the sam	ple indicate	d above and	l meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Exp	losive Lin METER	02/10/2023	11:36	JS	0.0	D	% LEL	0

**Analysis Comments** 

Candia E. Mulher

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

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin Roessler

Sample Number:	AD37074		Sample	ID:	GMP5	6 @ RESREC	5	
Sample Method:	Pumped		Sample Matrix:		GAS			
Date Sampled:	02/10/2023		Date Received:		02/10/	02/10/2023		
Time Sampled:	11:49		Time Received:		15:04			
Sampled By:	•		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	YSES These results	relate only to the sam	ple indicate	d above and	d meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Expl	osive Lin METER	02/10/2023	11:49	JS	0.0	D	% LEL	0

**Analysis Comments** 

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Cantio E. Mulher

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

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#### **CLIENT/SAMPLE INFORMATION**

Resource Recovery Class I Landfill Hays Road Shady Hills, Fl

Justin Roessler

Sample Number:	AD37075		Sample	ID:	GMP6	@ RESREC	2	
Sample Method:	Sample Method: Pumped		Sample Matrix:		GAS			
Date Sampled:	. ,		Date Received:		02/10/	2023		
Time Sampled: 10:42			Time Received:		15:04			
Sampled By:	Sampled By: J. STURM		Receive	d By:	GT			
			Delivere	d By:	JS			
REPORT OF ANAL	YSES These results	relate only to the sam	ple indicate	d above and	d meet all requ	irements of the	2016 TNI s	tandards.
Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Expl	osive 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. Anufren

Candia E. Mulhern, Laboratory Manager

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123 EPA Lab Code: FL00137



0.0

D

% LEL

Hours: Mon-Fri 8am-5pm

Report Date: 2/14/2023

0

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**

Percent Lower Explosive Lin METER

West Pasco Class III Landfill Hays Road Shady Hills, Fl

Justin Roessler

Analysis	Method	Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
REPORT OF ANAL	YSES These resul	ts relate only to the s	ample indicate	d above and	meet all requ	irements of the	2016 TNI	standards.
			Delivere	d By:	JS			
Sampled By:	J. STURM		Receive	d By:	GT			
Time Sampled:	13:47		Time Re	eceived:	15:04			
Date Sampled:	02/10/2023		Date Re	ceived:	02/10/	2023		
Sample Method:	Pumped		Sample	Matrix:	GAS			
Sample Number:	AD37076		Sample	ID:	LF OP	ERATIONS	OFF @	CLASS III

02/10/2023 13:47 JS

Analysis Comments

Candia E. Muchen

Candia E. Mulhern, Laboratory Manager

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#### **CLIENT/SAMPLE INFORMATION**

West Pasco Landfill

Hays Road Shady Hills, Fl

Justin Roessler

Sample Number: Sample Method:			Sample ID: Sample Matrix:		SCALE HOUSE @ CLASS III GAS			
Date Sampled:			Date Received: 02/10/2023					
Time Sampled:	13:59		Time Re	ceived:	15:04			
Sampled By:	J. STURM		Receive	d By:	GT			
			Delivered By:					
REPORT OF ANAL	YSES These results	relate only to the sam	ole indicate	d above and	l meet all requ	irements of the	2016 TNI s	tandards.
Analysis Method		Date	Time	Ву	Result	Qualifier	Unit	<b>Detection Limit</b>
Percent Lower Explosive Lin METER		02/10/2023	13:59	JS	0.0	D	% LEL	0

**Analysis Comments** 

Cantio E. Authen

Candia E. Mulhern, Laboratory Manager

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State Laboratory ID: E44123 EPA Lab Code: FL00137