



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: NUENERGY
Name:
ClientProj: 2020365001.01
GTA ProjNo: 102120-8

Site Addr: MARSTRAND

Sampled By: E. VINCKE/GCES
Date Rec: 10/21/2020
Time Rec: 5:13 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	SW-1	10/21/2020	10:15 AM	SOIL
2	SW-2	10/21/2020	10:45 AM	SOIL
3	SW-3	10/21/2020	10:50 AM	SOIL
4	SW-4	10/21/2020	10:35 AM	SOIL
5	FLR-1	10/21/2020	2:45 PM	SOIL
6	FLR-2	10/21/2020	10:20 AM	SOIL

ELECTRONIC SIGNATURE REPORT. This is a final report for the following pages of data for the samples specified above. All analysis was performed by the methods stated and all quality control measures required were completed. All quality control information is available upon request.

Kirk Chase

Kirk L. Chase/Chemist
Grand Traverse Analytical
830 Robinwood Court
Traverse City, MI 49686
Ph: 231-929-0905
Fx: 231-929-0894
SP: 231-590-0291
kirk@gtanalytical.com



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 1

DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:15 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-1

SAMPLED BY: E. VINCKE/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/21/2020	10/23/2020	EPA 5035A
Toluene	220	50					
Ethylbenzene	51	50					
Xylene(Total)	210	150					
1,2,4-Trimethylbenzene	50	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 2

DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:45 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-2

SAMPLED BY: E. VINCKE/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/21/2020	10/23/2020	EPA 5035A
Toluene	190	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-3

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 3
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:50 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

SAMPLED BY: E. VINCKE/GCES
 **THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/21/2020	10/23/2020	EPA 5035A
Toluene	290	50					
Ethylbenzene	66	50					
Xylene(Total)	250	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 4

DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:35 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: SW-4

SAMPLED BY: E. VINCKE/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/21/2020	10/23/2020	EPA 5035A
Toluene	540	50					
Ethylbenzene	87	50					
Xylene(Total)	310	150					
1,2,4-Trimethylbenzene	75	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 5

DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 2:45 PM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: FLR-1

SAMPLED BY: E. VINCKE/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/21/2020	10/23/2020	EPA 5035A
Toluene	290	50					
Ethylbenzene	62	50					
Xylene(Total)	230	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 6

DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:20 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

MI

SAMPLE MATRIX: SOIL
 SAMPLE ID: FLR-2

SAMPLED BY: E. VINCKE/GCES

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	10/21/2020	10/23/2020	EPA 5035A
Toluene	650	50					
Ethylbenzene	120	50					
Xylene(Total)	440	150					
1,2,4-Trimethylbenzene	90	50					
1,3,5-Trimethylbenzene	ND	50					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
 ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 1
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:15 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

MI
 SAMPLED BY: E. VINCKE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SW-1 CHLORIDE EPA 300.0	360	110	mg/L (PPM)	LV	10/23/2020	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 2
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:45 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

SAMPLED BY: MI
 E. VINCKE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SW-2 CHLORIDE EPA 300.0	360	110	mg/L (PPM)	LV	10/23/2020	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 3
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:50 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

SAMPLED BY: MI
 E. VINCKE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SW-3 CHLORIDE EPA 300.0	340	110	mg/L (PPM)	LV	10/23/2020	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 4
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:35 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

SAMPLED BY: MI
 E. VINCKE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: SW-4 CHLORIDE EPA 300.0	530	110	mg/L (PPM)	LV	10/23/2020	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 5
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 2:45 PM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

SAMPLED BY: MI
 E. VINCKE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
SAMPLE ID: FLR-1	CHLORIDE EPA 300.0	260	110	mg/L (PPM)	LV	10/23/2020	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C

COMPANY: NUENERGY
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND

GTA PROJECT NO: 102120-8
 GTA SAMPLE NO: 6
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:20 AM
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

SAMPLED BY: MI
 E. VINCKE/GCES

SAMPLE ANALYSIS

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Sample</u>
	SAMPLE ID: FLR-2 CHLORIDE EPA 300.0	330	100	mg/L (PPM)	LV	10/23/2020	SOIL

ND = NOT DETECTED, RESULT < LOD
 LOD = LIMIT OF DETECTION
 s.u. = STANDARD pH UNITS REPORTED AT 25 C



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: NUENERGY
 NAME:
 PROJECT NO: 2020365001.01
 LOCATION: MARSTRAND
 MI

GTA PROJECT NO: 102120-
 SAMPLED BY: E. VINCKE/GCES
 DATE SAMPLED: 10/21/2020
 TIME SAMPLED: 10:15 AM
 SAMPLE MATRIX: SOIL
 DATE RECEIVED: 10/21/2020
 TIME RECEIVED: 5:13 PM

MOISTURE

<u>No:</u>	<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
SAMPLE ID: SW-1	% MOISTURE EPA 3550C	5.8	0.050	% OF SAMPLE	AS	10/21/2020
SAMPLE ID: SW-2	% MOISTURE EPA 3550C	7.0	0.050	% OF SAMPLE	AS	10/21/2020
SAMPLE ID: SW-3	% MOISTURE EPA 3550C	6.9	0.050	% OF SAMPLE	AS	10/21/2020
SAMPLE ID: SW-4	% MOISTURE EPA 3550C	9.1	0.050	% OF SAMPLE	AS	10/21/2020
SAMPLE ID: FLR-1	% MOISTURE EPA 3550C	8.3	0.050	% OF SAMPLE	AS	10/21/2020
SAMPLE ID: FLR-2	% MOISTURE EPA 3550C	5.5	0.050	% OF SAMPLE	AS	10/21/2020

