

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: ENERVEST OPERATING

Name:

ClientProj: 190183-0100

GTA ProjNo: 110819-13

Site Addr: SEMI ANNUAL

Sampled By: NJ/ECT

Date Rec: 11/8/2019

Time Rec: 1:40 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	BRILEY 8 MW-1	11/4/2019		WATER
2	BRILEY 26 MW-1	11/4/2019		WATER
3	BRILEY 26 MW-2	11/4/2019		WATER
4	CANADA CREEK MW-1	11/4/2019		WATER
5	CANADA CREEK MW-2	11/4/2019		WATER
6	N. CHARLTON 18 MW-1	11/4/2019		WATER
7	N. CHARLTON 19 MW-1	11/4/2019		WATER
8	N. CHARLTON 22 MW-1	11/4/2019		WATER
9	N. CHARLTON 22 MW-2	11/4/2019		WATER
10	N. CHARLTON 24 MW-1	11/4/2019		WATER
11	N. CHARLTON 24 MW-5	11/4/2019		WATER
12	N. CHARLTON 31 MW-1	11/4/2019		WATER
13	N. CHARLTON 31 MW-2	11/4/2019		WATER
14	CHARLTON 30,31,32 MW-1	11/4/2019		WATER
15	CHARLTON 34/35 MW-1	11/4/2019		WATER
16	CHESTER 10 MW-3	11/5/2019		WATER
17	CHESTER 10 MW-4	11/5/2019		WATER
18	CHESTER 22 MW-1	11/5/2019		WATER
19	CHESTER 22 MW-2	11/5/2019		WATER
20	CHESTER 23 MW-1	11/5/2019		WATER
21	LIVINGSTON 34 MW-1	11/5/2019		WATER
22	LIVINGSTON 34 MW-2	11/5/2019		WATER
23	N. CHARLTON 36 MW-1	11/5/2019		WATER
24	N. CHARLTON 36 MW-5	11/5/2019		WATER
25	S. CHARLTON 4 MW-1	11/5/2019		WATER
26	VIENNA 6/7 MW-1	11/5/2019		WATER
27	VIENNA 6/7 MW-2	11/5/2019		WATER

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: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 1

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: BRILEY 8 MW-1						
	CHLORIDE EPA 300.0	13	10	mg/L (PPM)	LV	11/15/2019	WATER
	CONDUCTIVITY SM2510-B	320	1.0	uS/cm@25C	LV	11/15/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 2

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**SAMPLE ANALYSIS****No: Analysis**

SAMPLE ID: BRILEY 26 MW-1

CHLORIDE EPA 300.0

CONDUCTIVITY SM2510-B

Concentration

ND

1,000

LOD

10

1.0

Units

mg/L (PPM)

uS/cm@25C

Analyst

LV

LV

Date Completed

11/18/2019

11/18/2019

Sample Matrix

WATER

WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

GTA PROJECT NO: 110819-13

PROJECT NO: 190183-0100

GTA SAMPLE NO: 3

LOCATION: SEMI ANNUAL

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: BRILEY 26 MW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	250	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING
PROJECT NO: 190183-0100
LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13
GTA SAMPLE NO: 4

DATE SAMPLED: 11/4/2019
TIME SAMPLED:

DATE RECEIVED: 11/8/2019
TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT

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 Matrix</u>
	SAMPLE ID: CANADA CREEK MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	390	1.0	uS/cm@25C	LV	11/18/2019	WATER

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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 5

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: CANADA CREEK MW-2							
	CHLORIDE EPA 300.0	22	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	380	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 6

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: N. CHARLTON 18 MW-1							
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	200	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 7

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: N. CHARLTON 19 MW-1							
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	130	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 8

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: N. CHARLTON 22 MW-1							
	CHLORIDE EPA 300.0	14	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	1,000	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

GTA PROJECT NO: 110819-13

PROJECT NO: 190183-0100

GTA SAMPLE NO: 9

LOCATION: SEMI ANNUAL

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: N. CHARLTON 22 MW-2							
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	460	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 10

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: N. CHARLTON 24 MW-1						
	CHLORIDE EPA 300.0	11	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	790	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 11

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: N. CHARLTON 24 MW-5							
	CHLORIDE EPA 300.0	16	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	800	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING
PROJECT NO: 190183-0100
LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13
GTA SAMPLE NO: 12

DATE SAMPLED: 11/4/2019
TIME SAMPLED:

DATE RECEIVED: 11/8/2019
TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT

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 Matrix</u>
	SAMPLE ID: N. CHARLTON 31 MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	290	1.0	uS/cm@25C	LV	11/18/2019	WATER

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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 13

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: N. CHARLTON 31 MW-2							
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	290	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 14

DATE SAMPLED: 11/4/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: CHARLTON 30,31,32 MW-1							
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	370	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING
PROJECT NO: 190183-0100
LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13
GTA SAMPLE NO: 15

DATE SAMPLED: 11/4/2019
TIME SAMPLED:

DATE RECEIVED: 11/8/2019
TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT

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 Matrix</u>
	SAMPLE ID: CHARLTON 34/35 MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	63	1.0	uS/cm@25C	LV	11/18/2019	WATER

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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 16

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: CHESTER 10 MW-3						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	140	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 17

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: CHESTER 10 MW-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	460	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING
PROJECT NO: 190183-0100
LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13
GTA SAMPLE NO: 18

DATE SAMPLED: 11/5/2019
TIME SAMPLED:

DATE RECEIVED: 11/8/2019
TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT

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 Matrix</u>
	SAMPLE ID: CHESTER 22 MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	350	1.0	uS/cm@25C	LV	11/18/2019	WATER

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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 19

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: CHESTER 22 MW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	98	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 20

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: CHESTER 23 MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	290	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 21

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: LIVINGSTON 34 MW-1							
	CHLORIDE EPA 300.0	25	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	490	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 22

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: LIVINGSTON 34 MW-2							
	CHLORIDE EPA 300.0	32	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	190	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING
PROJECT NO: 190183-0100
LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13
GTA SAMPLE NO: 23

DATE SAMPLED: 11/5/2019
TIME SAMPLED:

DATE RECEIVED: 11/8/2019
TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT

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 Matrix</u>
	SAMPLE ID: N. CHARLTON 36 MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	180	1.0	uS/cm@25C	LV	11/18/2019	WATER

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

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 24

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: N. CHARLTON 36 MW-5							
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	190	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

GTA PROJECT NO: 110819-13

PROJECT NO: 190183-0100

GTA SAMPLE NO: 25

LOCATION: SEMI ANNUAL

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
SAMPLE ID: S. CHARLTON 4 MW-1							
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	64	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

GTA PROJECT NO: 110819-13

PROJECT NO: 190183-0100

GTA SAMPLE NO: 26

LOCATION: SEMI ANNUAL

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: VIENNA 6/7 MW-1						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	440	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

COMPANY: ENERVEST OPERATING

PROJECT NO: 190183-0100

LOCATION: SEMI ANNUAL

GTA PROJECT NO: 110819-13

GTA SAMPLE NO: 27

DATE SAMPLED: 11/5/2019

TIME SAMPLED:

DATE RECEIVED: 11/8/2019

TIME RECEIVED: 1:40 PM

SAMPLED BY: MI
NJ/ECT**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 Matrix</u>
	SAMPLE ID: VIENNA 6/7 MW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	11/18/2019	WATER
	CONDUCTIVITY SM2510-B	140	1.0	uS/cm@25C	LV	11/18/2019	WATER

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

s.u. = STANDARD pH UNITS REPORTED AT 25 C

DISS = DISSOLVED

pg. 1 of 2

CHAIN OF CUSTODY

PROJECT NUMBER 190183-0100	SITE NAME/ADDRESS Semi Annual	COMPANY/NAME EnerVest
SAMPLED BY NJ	COMPANY ECT	GTA PROJECT # 110819-13

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	Briley 8 MW-1	11-4-19		WTR	CL, LONA
2	Briley 26 MW-1				
3	Briley 26 MW-2				
4	Canada Creek MW-1				
5	Canada Creek MW-2				
6	N.Charlton 18 MW-1				
7	N.Charlton 19 MW-1				
8	N.Charlton 22 MW-1				
9	N.Charlton 22 MW-2				
10	N.Charlton 24 MW-1				
11	N.Charlton 24 MW-5				
12	N.Charlton 31 MW-1				
13	N.Charlton 31 MW-2				
14	Charlton 30,31,32 MW-1				
15	Charlton 34/35 MW-1				

BILL TO:

EnerVest

REPORT TO:

Lisa

RELEASED BY

DATE/TIME

Lisa H. Fort

11-8-19

RECEIVED BY

DATE/TIME

Lisa H. Fort

11/8/19 1:40

REQUESTED TAT

☒ **STANDARD**

☐ **1 BUSINESS DAY**

☐ **2 BUSINESS DAYS**

☐ **3 BUSINESS DAYS**

pg. 2 of 2

CHAIN OF CUSTODY

PROJECT NUMBER 190183-0100	SITE NAME/ADDRESS Semiannual	COMPANY/NAME Enervest
SAMPLED BY NJ	COMPANY ECT	GTA PROJECT # 110819-13

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
16	Chester 10 MW-3	11-5-19		WTK	CL COND
17	Chester 10 MW-4				
18	Chester 22 MW-1				
19	Chester 22 MW-2				
20	Chester 23 MW-1				
21	Livingston 34 MW-1				
22	Livingston 34 MW-2				
23	N. Charlton 36 MW-1				
24	N. Charlton 36 MW-5				
25	S. Charlton 4 MW-1				
26	Vienna 6/7 MW-1				
27	Vienna 6/7 MW-2				

BILL TO:

Enervest

REPORT TO:

Lisa

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

Lisa H. Jones 11/8/19

Amey 11/8/19 1:40

REQUESTED TAT ☒ STANDARD ☐ 1 BUSINESS DAY ☐ 2 BUSINESS DAYS ☐ 3 BUSINESS DAYS