



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: LINN ENERGY
Name:
ClientProj: 2011515.04
GTA ProjNo: 052319-5

Site Addr: BIG BASS LAKE CPF

Sampled By: BPR/GCES
Date Rec: 5/23/2019
Time Rec: 2:07 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	5/23/2019	11:45 AM	WATER
2	MW-2	5/23/2019	12:10 PM	WATER
3	MW-3	5/23/2019	12:30 PM	WATER
4	MW-4	5/23/2019	1:00 PM	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 L Chase

Kirk L. Chase/Chemist
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COMPANY: LINN ENERGY
PROJECT NO: 2011515.04
LOCATION: BIG BASS LAKE CPF

GTA PROJECT NO: 052319-5
GTA SAMPLE NO: 1

DATE SAMPLED: 5/23/2019
TIME SAMPLED: 11:45 AM

DATE RECEIVED: 5/23/2019
TIME RECEIVED: 2:07 PM

MI
SAMPLED BY: BPR/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 Matrix</u>
	SAMPLE ID: MW-1						
	CHLORIDE EPA 300.0	46	10	mg/L (PPM)	LV	6/1/2019	WATER
	CONDUCTIVITY SM2510-B	300	1.0	uS/cm@25C	LV	5/31/2019	WATER

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

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COMPANY: LINN ENERGY
PROJECT NO: 2011515.04
LOCATION: BIG BASS LAKE CPF

GTA PROJECT NO: 052319-5
GTA SAMPLE NO: 2

DATE SAMPLED: 5/23/2019
TIME SAMPLED: 12:10 PM

DATE RECEIVED: 5/23/2019
TIME RECEIVED: 2:07 PM

MI
SAMPLED BY: BPR/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 Matrix</u>
	SAMPLE ID: MW-2						
	CHLORIDE EPA 300.0	840	50	mg/L (PPM)	LV	6/1/2019	WATER
	CONDUCTIVITY SM2510-B	2,700	1.0	uS/cm@25C	LV	5/31/2019	WATER

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DISS = DISSOLVED

COMPANY: LINN ENERGY
PROJECT NO: 2011515.04
LOCATION: BIG BASS LAKE CPF

GTA PROJECT NO: 052319-5
GTA SAMPLE NO: 3

DATE SAMPLED: 5/23/2019
TIME SAMPLED: 12:30 PM

DATE RECEIVED: 5/23/2019
TIME RECEIVED: 2:07 PM

MI
SAMPLED BY: BPR/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 Matrix</u>
	SAMPLE ID: MW-3						
	CHLORIDE EPA 300.0	650	50	mg/L (PPM)	LV	6/1/2019	WATER
	CONDUCTIVITY SM2510-B	2,400	1.0	uS/cm@25C	LV	5/31/2019	WATER

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COMPANY: LINN ENERGY
PROJECT NO: 2011515.04
LOCATION: BIG BASS LAKE CPF

GTA PROJECT NO: 052319-5
GTA SAMPLE NO: 4

DATE SAMPLED: 5/23/2019
TIME SAMPLED: 1:00 PM

DATE RECEIVED: 5/23/2019
TIME RECEIVED: 2:07 PM

MI
SAMPLED BY: BPR/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 Matrix</u>
	SAMPLE ID: MW-4						
	CHLORIDE EPA 300.0	30	10	mg/L (PPM)	LV	6/1/2019	WATER
	CONDUCTIVITY SM2510-B	260	1.0	uS/cm@25C	LV	5/31/2019	WATER

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

CHAIN OF CUSTODY

PROJECT NUMBER 2011515.04	SITE NAME/ADDRESS Big Bass Lake	COMPANY/NAME SEI Linn Energy
SAMPLED BY BPR	COMPANY GCES	GTA PROJECT # 052319-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	MW-1	5/23/19	11:45	GW	Chloride, Conductivity
	MW-2	↓	12:10	↓	↓ ↓
	MW-3	↓	12:30	↓	↓ ↓
	MW-4	↓	1:00	↓	↓ ↓

BILL TO:

GCES

REPORT TO:

J. Simso

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

B. Linn

5/23/19 2:07

K. Ch

5/23/19 2:07p

REQUESTED TAT



STANDARD



1 BUSINESS DAY



2 BUSINESS DAYS



3 BUSINESS DAYS