Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB
830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686
PH: 231-929-0905 FAX: 231-929-0894
www.gtanalytical.com

Company:	DELTA OIL CO.	Site Addr:	PUTHUFF/ZINN/SCHRADEN 2-23A SWD
Name:			
ClientProj:			
		Sampled By:	TIM JONES/RCS SERVICES
GTA ProjNo:	101519-9	Date Rec:	10/15/2019
		Time Rec:	10:30 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	DISPOSAL	10/8/2019		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 L 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

Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB
830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686
PH: 231-929-0905 FAX: 231-929-0894
www.gtanalytical.com

COMPANY:	DELTA OIL CO.	GTA PROJECT NO:	101519-9
		GTA SAMPLE NO:	1
PROJECT NO:			
LOCATION:	PUTHUFF/ZINN/SCHRADEN 2-23A SWD	DATE SAMPLED:	10/8/2019
		TIME SAMPLED:	
		DATE RECEIVED:	10/15/2019
	MI	TIME RECEIVED:	10:30 AM
SAMPLED BY:	TIM JONES/RCS SERVICES	SAMPLE MATRIX:	WATER

SAMPLE ID: **DISPOSAL**

METALS

Analysis	Concentration	LOD	Units	Analyst	Date Completed	Digestion Method
BARIUM DISS EPA 6020A	0.47	0.050	mg/L (PPM)	MR/TR	11/4/2019	EPA 3005A
CALCIUM DISS EPA 6020A	80	10	mg/L (PPM)	MR/TR	11/4/2019	EPA 3005A
IRON TOTAL EPA 6020A	ND	0.50	mg/L (PPM)	MR/TR	11/4/2019	EPA 3020A
MAGNESIUM DISS EPA 6020A	130	10	mg/L (PPM)	MR/TR	11/4/2019	EPA 3050B
POTASSIUM DISS EPA 6020A	26	0.50	mg/L (PPM)	MR/TR	11/4/2019	EPA 3050B
SODIUM DISS EPA 6020A	14,000	100	mg/L (PPM)	MR/TR	11/4/2019	EPA 3050B

ND = NOT DETECTED, RESULT < LOD
LOD = LIMIT OF DETECTION

DISS = DISSOLVED

Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB
830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686
PH: 231-929-0905 FAX: 231-929-0894
www.gtanalytical.com

COMPANY:	DELTA OIL CO.	GTA PROJECT NO:	101519-9
		GTA SAMPLE NO:	1
PROJECT NO:			
		DATE RECEIVED:	10/15/2019
LOCATION:	PUTHUFF/ZINN/SCHRADEN 2-23A SWD	TIME RECEIVED:	10:30 AM
		DATE SAMPLED:	10/8/2019
	MI	TIME SAMPLED:	
SAMPLED BY:	TIM JONES/RCS SERVICES	SAMPLE MATRIX:	WATER
SAMPLE ID:	**DISPOSAL**		

SAMPLE RESULTS

Analysis	Concentration	LOD	Units	Analyst	Date Complete
ALKALINITY SM 4500CO2D (BICARBONATE)	1,300	10	mg/L (PPM)	TR	10/22/2019
ALKALINITY SM 4500CO2D (CARBONATE)	25	10	mg/L (PPM)	TR	10/22/2019
CHLORIDE EPA 300.0	12,000	2,000	mg/L (PPM)	LV	10/22/2019
CONDUCTIVITY SM2510-B	32,000	1.0	uS/cm@25C	LV	10/22/2019
pH EPA 150.1 - LAB	8.3	0.10	mg/L (PPM)	TR	10/22/2019
RESISTIVITY SM 2510A	32	-	ohms x cm	LV	10/22/2019
SPECIFIC GRAVITY SM 2710F	1.009	-	-	LV	10/25/2019
SULFATE EPA 300.0	480	50	mg/L (PPM)	LV	10/22/2019
SULFIDE SM 4500S D	ND	1.0	mg/L (PPM)	KC	10/16/2019
TOTAL DISSOLVED SOLIDS EPA 160.1	14,000	5.0	mg/L (PPM)	TR	10/25/2019

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

Grand Traverse Analytical, LLC

INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905 FAX: 231-929-0894

www.gtanalytical.com

CHAIN OF CUSTODY

PROJECT NUMBER	SITE NAME/ADDRESS	COMPANY/NAME
	Puthuff/Zinn/Schrader 2-23A SWD	Delta Oil Company

SAMPLED BY	COMPANY	GTA PROJECT #
Tim Jones	RCS Services	10159-9

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
	Disposal	10/8/19	PM	Wtr	EPA Annual UIC

BILL TO: Darcy Consulting

REPORT TO: Darcy Consulting

RELEASED BY	DATE/TIME	RECEIVED BY	DATE/TIME
Holly D	10/15/19 10:30am	K. Cl	10/15/19 10:30

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