



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: FEDERAL OIL COMPANY
Name:
ClientProj: 071151-0100
GTA ProjNo: 101119-10

Site Addr: WEXFORD 2-6

Sampled By: NJ/ECT
Date Rec: 10/11/2019
Time Rec: 10:50 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-1	10/8/2019		WATER
2	MW-2	10/8/2019		WATER
3	MW-3	10/8/2019		WATER
4	MW-4	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
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COMPANY: FEDERAL OIL COMPANY
 PROJECT NO: 071151-0100
 LOCATION: WEXFORD 2-6
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-1

GTA PROJECT NO: 101119-10
 GTA SAMPLE NO: 1
 DATE SAMPLED: 10/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 10/11/2019
 TIME RECEIVED: 10:50 AM

SAMPLED BY: NJ/ECT

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/12/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

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



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COMPANY: FEDERAL OIL COMPANY
PROJECT NO: 071151-0100
LOCATION: WEXFORD 2-6
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-2

GTA PROJECT NO: 101119-10
GTA SAMPLE NO: 2
DATE SAMPLED: 10/8/2019
TIME SAMPLED:
DATE RECEIVED: 10/11/2019
TIME RECEIVED: 10:50 AM
SAMPLED BY: NJ/ECT

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/12/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: FEDERAL OIL COMPANY
 PROJECT NO: 071151-0100
 LOCATION: WEXFORD 2-6
 MI
 SAMPLE MATRIX: WATER
 SAMPLE ID: MW-3

GTA PROJECT NO: 101119-10
 GTA SAMPLE NO: 3
 DATE SAMPLED: 10/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 10/11/2019
 TIME RECEIVED: 10:50 AM
 SAMPLED BY: NJ/ECT

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/12/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY: FEDERAL OIL COMPANY
PROJECT NO: 071151-0100
LOCATION: WEXFORD 2-6
MI
SAMPLE MATRIX: WATER
SAMPLE ID: MW-4

GTA PROJECT NO: 101119-10
GTA SAMPLE NO: 4
DATE SAMPLED: 10/8/2019
TIME SAMPLED:
DATE RECEIVED: 10/11/2019
TIME RECEIVED: 10:50 AM
SAMPLED BY: NJ/ECT

EPA 8260B VOLATILE ORGANICS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Extracted</u>	<u>Date Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		10/12/2019	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
ND = NOT DETECTED, RESULT < LOD
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COMPANY: FEDERAL OIL COMPANY
PROJECT NO: 071151-0100
LOCATION: WEXFORD 2-6

GTA PROJECT NO: 101119-10
GTA SAMPLE NO: 1
DATE SAMPLED: 10/8/2019
TIME SAMPLED:
DATE RECEIVED: 10/11/2019
TIME RECEIVED: 10:50 AM

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: MW-1						
CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/21/2019	WATER
CONDUCTIVITY SM2510-B	120	1.0	uS/cm@25C	LV	10/21/2019	WATER

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

COMPANY: FEDERAL OIL COMPANY
 PROJECT NO: 071151-0100
 LOCATION: WEXFORD 2-6

GTA PROJECT NO: 101119-10
 GTA SAMPLE NO: 2
 DATE SAMPLED: 10/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 10/11/2019
 TIME RECEIVED: 10:50 AM

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: MW-2						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/21/2019	WATER
	CONDUCTIVITY SM2510-B	110	1.0	uS/cm@25C	LV	10/21/2019	WATER

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

COMPANY: FEDERAL OIL COMPANY
 PROJECT NO: 071151-0100
 LOCATION: WEXFORD 2-6

GTA PROJECT NO: 101119-10
 GTA SAMPLE NO: 3
 DATE SAMPLED: 10/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 10/11/2019
 TIME RECEIVED: 10:50 AM

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: MW-3						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/21/2019	WATER
	CONDUCTIVITY SM2510-B	380	1.0	uS/cm@25C	LV	10/21/2019	WATER

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

COMPANY: FEDERAL OIL COMPANY
 PROJECT NO: 071151-0100
 LOCATION: WEXFORD 2-6

GTA PROJECT NO: 101119-10
 GTA SAMPLE NO: 4
 DATE SAMPLED: 10/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 10/11/2019
 TIME RECEIVED: 10:50 AM

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: MW-4						
	CHLORIDE EPA 300.0	ND	10	mg/L (PPM)	LV	10/21/2019	WATER
	CONDUCTIVITY SM2510-B	170	1.0	uS/cm@25C	LV	10/21/2019	WATER

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

