

**INDEPENDENT TESTING LAB**

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: MACKINAC ENVIRONMENTAL
Name:
ClientProj: M93-226
GTA ProjNo: 051321-5

Site Addr: CCRC STRONGS

Sampled By: MJR/SLR - MET
Date Rec: 5/13/2021
Time Rec: 11:45 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	MW-108	5/11/2021	2:33 PM	WATER
2	MW-103R	5/11/2021	2:53 PM	WATER
3	MW-123	5/11/2021	2:47 PM	WATER
4	MW-3A	5/11/2021	2:37 PM	WATER
5	MW-106	5/11/2021	3:22 PM	WATER
6	MW-111	5/11/2021	3:45 PM	WATER
7	MW-109A	5/11/2021	4:19 PM	WATER
8	VW-3	5/11/2021	4:47 PM	WATER
9	VW-2	5/11/2021	5:08 PM	WATER
10	MW-120	5/11/2021	4:20 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 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: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: CCRC STRONGS

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-108

GTA PROJECT NO: 051321-5

GTA SAMPLE NO: 1

DATE SAMPLED: 5/11/2021

TIME SAMPLED: 2:33 PM

DATE RECEIVED: 5/13/2021

TIME RECEIVED: 11:45 AM

SAMPLED BY: MJR/SLR - MET

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	1.4	1.0	ug/L (PPB)	MR		5/19/2021	EPA 5030B
Toluene	2.1	1.0					
Ethylbenzene	43	1.0					
Xylene(Total)	70	3.0					
1,2,4-Trimethylbenzene	40	1.0					
1,3,5-Trimethylbenzene	36	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	59	5.0					
2-Methylnaphthalene	16	5.0					

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: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: CCRC STRONGS

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-103R

GTA PROJECT NO: 051321-5

GTA SAMPLE NO: 2

DATE SAMPLED: 5/11/2021

TIME SAMPLED: 2:53 PM

DATE RECEIVED: 5/13/2021

TIME RECEIVED: 11:45 AM

SAMPLED BY: MJR/SLR - MET

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	18	1.0	ug/L (PPB)	MR		5/19/2021	EPA 5030B
Toluene	3.6	1.0					
Ethylbenzene	5.3	1.0					
Xylene(Total)	13	3.0					
1,2,4-Trimethylbenzene	6.8	1.0					
1,3,5-Trimethylbenzene	2.9	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	6.5	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	051321-5
PROJECT NO:	M93-226	GTA SAMPLE NO:	3
LOCATION:	CCRC STRONGS	DATE SAMPLED:	5/11/2021
		TIME SAMPLED:	2:47 PM
		DATE RECEIVED:	5/13/2021
	MI	TIME RECEIVED:	11:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-123	SAMPLED BY:	MJR/SLR - MET

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	5.8	1.0	ug/L (PPB)	MR		5/18/2021	EPA 5030B
Toluene	3.2	1.0					
Ethylbenzene	12	1.0					
Xylene(Total)	43	3.0					
1,2,4-Trimethylbenzene	6.4	1.0					
1,3,5-Trimethylbenzene	3.4	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	15	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	051321-5
PROJECT NO:	M93-226	GTA SAMPLE NO:	4
LOCATION:	CCRC STRONGS	DATE SAMPLED:	5/11/2021
		TIME SAMPLED:	2:37 PM
		DATE RECEIVED:	5/13/2021
	MI	TIME RECEIVED:	11:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-3A	SAMPLED BY:	MJR/SLR - MET

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		5/18/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: CCRC STRONGS

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-106

GTA PROJECT NO: 051321-5

GTA SAMPLE NO: 5

DATE SAMPLED: 5/11/2021

TIME SAMPLED: 3:22 PM

DATE RECEIVED: 5/13/2021

TIME RECEIVED: 11:45 AM

SAMPLED BY: MJR/SLR - MET

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	1.0	ug/L (PPB)	MR		5/19/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	2.4	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	2.2	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	051321-5
PROJECT NO:	M93-226	GTA SAMPLE NO:	6
LOCATION:	CCRC STRONGS	DATE SAMPLED:	5/11/2021
		TIME SAMPLED:	3:45 PM
		DATE RECEIVED:	5/13/2021
	MI	TIME RECEIVED:	11:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-111	SAMPLED BY:	MJR/SLR - MET

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		5/18/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	051321-5
PROJECT NO:	M93-226	GTA SAMPLE NO:	7
LOCATION:	CCRC STRONGS	DATE SAMPLED:	5/11/2021
		TIME SAMPLED:	4:19 PM
		DATE RECEIVED:	5/13/2021
	MI	TIME RECEIVED:	11:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-109A	SAMPLED BY:	MJR/SLR - MET

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	1.0	ug/L (PPB)	MR		5/18/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	8.3	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	3.4	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	051321-5
PROJECT NO:	M93-226	GTA SAMPLE NO:	8
LOCATION:	CCRC STRONGS	DATE SAMPLED:	5/11/2021
		TIME SAMPLED:	4:47 PM
		DATE RECEIVED:	5/13/2021
	MI	TIME RECEIVED:	11:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	VW-3	SAMPLED BY:	MJR/SLR - MET

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	1.0	ug/L (PPB)	MR		5/18/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	051321-5
PROJECT NO:	M93-226	GTA SAMPLE NO:	9
LOCATION:	CCRC STRONGS	DATE SAMPLED:	5/11/2021
		TIME SAMPLED:	5:08 PM
		DATE RECEIVED:	5/13/2021
	MI	TIME RECEIVED:	11:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	VW-2	SAMPLED BY:	MJR/SLR - MET

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		5/18/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	051321-5
PROJECT NO:	M93-226	GTA SAMPLE NO:	10
LOCATION:	CCRC STRONGS	DATE SAMPLED:	5/11/2021
		TIME SAMPLED:	4:20 PM
		DATE RECEIVED:	5/13/2021
	MI	TIME RECEIVED:	11:45 AM
SAMPLE MATRIX:	WATER		
SAMPLE ID:	MW-120	SAMPLED BY:	MJR/SLR - MET

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		5/18/2021	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	ND	1.0					
Xylene(Total)	ND	3.0					
1,2,4-Trimethylbenzene	ND	1.0					
1,3,5-Trimethylbenzene	ND	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	ND	5.0					
2-Methylnaphthalene	ND	5.0					

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: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

GTA PROJECT NO: 051321-5

GTA SAMPLE NO: 1

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 2:33 PMSAMPLED BY: MI
MJR/SLR - METDATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AMSAMPLE MATRIX: WATER
SAMPLE ID: MW-108**PNA EPA 8270D (SIM)**

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/17/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-103R

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 2

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 2:53 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-123

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 3

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 2:47 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-3A

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 4

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 2:37 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-106

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 5

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 3:22 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-111

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 6

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 3:45 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-109A

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 7

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 4:19 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: VW-3

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 8

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 4:47 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: CCRC STRONGS

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: VW-2

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 9

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 5:08 PM

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M93-226
LOCATION: CCRC STRONGS

GTA PROJECT NO: 051321-5
GTA SAMPLE NO: 10

DATE SAMPLED: 5/11/2021
TIME SAMPLED: 4:20 PM

SAMPLED BY: MI
MJR/SLR - MET

DATE RECEIVED: 5/13/2021
TIME RECEIVED: 11:45 AM

SAMPLE MATRIX: WATER
SAMPLE ID: MW-120

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	5/16/2021	5/18/2021	EPA 3511
Acenaphthylene	ND	5.0					
Anthracene	ND	5.0					
Benzo(a)anthracene	ND	1.0					
Benzo(b)fluoranthene	ND	1.0					
Benzo(k)fluoranthene	ND	1.0					
Benzo(a)pyrene	ND	1.0					
Benzo(ghi)perylene	ND	2.0					
2-Chloronaphthalene	ND	5.0					
Chrysene	ND	1.0					
Dibenz(ah)anthracene	ND	2.0					
Fluoranthene	ND	1.0					
Fluorene	ND	5.0					
Indeno(123-cd)pyrene	ND	2.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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

CHAIN OF CUSTODY

PROJECT NUMBER M93-226	SITE NAME/ADDRESS CCRC Strong's	COMPANY/NAME
SAMPLED BY MOR/SLR	COMPANY MEt	GTA PROJECT # 051321-5

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	MW-108	5/11/21	1433	GW	UIG, PNA
2	MW-103R		1453		
3	MW-123		1447		
4	MW-3A		1437		
5	MW-106		1522		
6	MW-111		1545		
7	MW-109A		1619		
8	VW-3		1647		
9	VW-2		1708		
10	MW-120	↓	1620	↓	↓ ↓
					Shipped on ice

BILL TO:

REPORT TO:

RELEASED BY Sam Khan	DATE/TIME 5/12/21 1500	RECEIVED BY AV	DATE/TIME 5/13/21 11:48
			rec'd at counter

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