

**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: 112020-2

Site Addr: STRONGS CCRC

Sampled By: MJR/SLR - MET
Date Rec: 11/19/2020
Time Rec: 12:15 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	VW-3	11/16/2020	2:35 PM	WATER
2	MW-106	11/16/2020	2:59 PM	WATER
3	MW-112	11/16/2020	3:20 PM	WATER
4	MW-108	11/16/2020	3:33 PM	WATER
5	MW-103R	11/16/2020	3:43 PM	WATER
6	MW-111	11/17/2020	10:51 AM	WATER
7	VW-2	11/17/2020	11:21 AM	WATER
8	MW-116	11/17/2020	10:56 AM	WATER
9	MW-120	11/17/2020	11:06 AM	WATER
10	MW-109A	11/17/2020	11:38 AM	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
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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: STRONGS CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: VW-3

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 1

DATE SAMPLED: 11/16/2020

TIME SAMPLED: 2:35 PM

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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		11/21/2020	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: 112020-2

PROJECT NO: M93-226

GTA SAMPLE NO: 2

LOCATION: STRONGS CCRC

DATE SAMPLED: 11/16/2020

TIME SAMPLED: 2:59 PM

MI

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

SAMPLE MATRIX: WATER

SAMPLE ID: MW-106

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		11/21/2020	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					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: STRONGS CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-112

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 3

DATE SAMPLED: 11/16/2020

TIME SAMPLED: 3:20 PM

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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		11/21/2020	EPA 5030B
Toluene	2.7	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					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: STRONGS CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-108

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 4

DATE SAMPLED: 11/16/2020

TIME SAMPLED: 3:33 PM

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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		11/22/2020	EPA 5030B
Toluene	1.2	1.0					
Ethylbenzene	28	1.0					
Xylene(Total)	55	3.0					
1,2,4-Trimethylbenzene	51	1.0					
1,3,5-Trimethylbenzene	34	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	150	5.0					
2-Methylnaphthalene	170	5.0					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: STRONGS CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-103R

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 5

DATE SAMPLED: 11/16/2020

TIME SAMPLED: 3:43 PM

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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	20	1.0	ug/L (PPB)	MR		11/22/2020	EPA 5030B
Toluene	4.7	1.0					
Ethylbenzene	9.3	1.0					
Xylene(Total)	27	3.0					
1,2,4-Trimethylbenzene	16	1.0					
1,3,5-Trimethylbenzene	8.1	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	53	5.0					
2-Methylnaphthalene	95	5.0					

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

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: STRONGS CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-111

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 6

DATE SAMPLED: 11/17/2020

TIME SAMPLED: 10:51 AM

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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		11/21/2020	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.

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LOD = LIMIT OF DETECTION

COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 112020-2

PROJECT NO: M93-226

GTA SAMPLE NO: 7

LOCATION: STRONGS CCRC

DATE SAMPLED: 11/17/2020

TIME SAMPLED: 11:21 AM

MI

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		11/21/2020	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.

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LOD = LIMIT OF DETECTION

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: STRONGS CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-116

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 8

DATE SAMPLED: 11/17/2020

TIME SAMPLED: 10:56 AM

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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		11/21/2020	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.

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LOD = LIMIT OF DETECTION

COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 112020-2

PROJECT NO: M93-226

GTA SAMPLE NO: 9

LOCATION: STRONGS CCRC

DATE SAMPLED: 11/17/2020

TIME SAMPLED: 11:06 AM

MI

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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</u> <u>Extracted</u>	<u>Date</u> <u>Complete</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		11/21/2020	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					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226

LOCATION: STRONGS CCRC

MI

SAMPLE MATRIX: WATER

SAMPLE ID: MW-109A

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 10

DATE SAMPLED: 11/17/2020

TIME SAMPLED: 11:38 AM

DATE RECEIVED: 11/19/2020

TIME RECEIVED: 12:15 PM

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		11/21/2020	EPA 5030B
Toluene	ND	1.0					
Ethylbenzene	21	1.0					
Xylene(Total)	15	3.0					
1,2,4-Trimethylbenzene	19	1.0					
1,3,5-Trimethylbenzene	6.0	1.0					
Methyl-t-Butyl Ether	ND	5.0					
Naphthalene	20	5.0					
2-Methylnaphthalene	ND	5.0					

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

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: STRONGS CCRC

GTA PROJECT NO: 112020-2

GTA SAMPLE NO: 1

DATE SAMPLED: 11/16/2020
TIME SAMPLED: 2:35 PMSAMPLED BY: MI
MJR/SLR - METDATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PMSAMPLE MATRIX: WATER
SAMPLE ID: VW-3**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	11/23/2020	11/24/2020	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: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-106

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 2

DATE SAMPLED: 11/16/2020
TIME SAMPLED: 2:59 PM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/23/2020	11/24/2020	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					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-112

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 3

DATE SAMPLED: 11/16/2020
TIME SAMPLED: 3:20 PM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/23/2020	11/24/2020	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					

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-108

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 4

DATE SAMPLED: 11/16/2020
TIME SAMPLED: 3:33 PM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/23/2020	11/24/2020	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.
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LOD = LIMIT OF DETECTION.

COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M93-226
LOCATION: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-103R

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 5

DATE SAMPLED: 11/16/2020
TIME SAMPLED: 3:43 PM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/23/2020	11/24/2020	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: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-111

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 6

DATE SAMPLED: 11/17/2020
TIME SAMPLED: 10:51 AM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/23/2020	11/24/2020	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: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: VW-2

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 7

DATE SAMPLED: 11/17/2020
TIME SAMPLED: 11:21 AM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/24/2020	11/30/2020	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: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-116

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 8

DATE SAMPLED: 11/17/2020
TIME SAMPLED: 10:56 AM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/24/2020	11/30/2020	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: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-120

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 9

DATE SAMPLED: 11/17/2020
TIME SAMPLED: 11:06 AM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/24/2020	11/30/2020	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: STRONGS CCRC

SAMPLED BY: MI
MJR/SLR - MET

SAMPLE MATRIX: WATER
SAMPLE ID: MW-109A

GTA PROJECT NO: 112020-2
GTA SAMPLE NO: 10

DATE SAMPLED: 11/17/2020
TIME SAMPLED: 11:38 AM

DATE RECEIVED: 11/19/2020
TIME RECEIVED: 12:15 PM

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	11/24/2020	11/30/2020	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 Strong's CCRC	COMPANY/NAME
SAMPLED BY MJR/SLR	COMPANY MET	GTA PROJECT # 112020-2

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	VW-3	11/16/2020	1435	GW	ULG, PNA
2	MW-106		1459		
3	MW-112		1520		
4	MW-108		1533		
5	MW-103R		1543		
6	MW-111	11/17/2020	1051		
7	VW-2		1121		
8	MW-116		1056		
9	MW-120		1106		
10	MW-109A		1138		
					Shipped on ice

BILL TO:

REPORT TO:

RELEASED BY Seena Reynolds	DATE/TIME 11/19/2020 1500	RECEIVED BY K. Chen	DATE/TIME 11/19/20 12:15p
			for 3.30C on ice

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