



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: NEW HOPE NETWORK
Name:
ClientProj: M19-3081
GTA ProjNo: 071019-6

Site Addr: 220 BURDETTE STREET

Sampled By: SIERRA REYNOLDS/MET
Date Rec: 7/10/2019
Time Rec: 12:35 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	S-1 @ 6 INCH BGS	7/8/2019	11:15 AM	SOIL
2	S-2 @ 6 INCH BGS	7/8/2019		SOIL
3	S-3 @ 6 INCH BGS	7/8/2019		SOIL
4	S-4 @ 6 INCH BGS	7/8/2019		SOIL
5	S-5 @ 6 INCH BGS	7/8/2019		SOIL
6	S-6 @ 6 INCH BGS	7/8/2019		SOIL
7	D-1 @ 1FT BGS	7/8/2019		SOIL
8	D-2 @ 2.5FT BGS	7/8/2019		SOIL
9	D-3 @ 3FT BGS	7/8/2019		SOIL
10	D-4 @ 1FT BGS	7/8/2019		SOIL
11	D-5 @ 2.5 BGS	7/8/2019		SOIL
12	D-6 @ 1FT BGS	7/8/2019		SOIL
13	D-7 @ 2.5FT BGS	7/8/2019		SOIL
14	D-8 @ 3FT BGS	7/8/2019		SOIL

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: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 1

DATE SAMPLED: 7/8/2019
 TIME SAMPLED: 11:15 AM

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: S-1 @ 6 INCH BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/19/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	670	330					
Benzo(a)anthracene	4,500	330					
Benzo(b)fluoranthene	6,900	330					
Benzo(k)fluoranthene	4,000	330					
Benzo(a)pyrene	5,200	330					
Benzo(ghi)perylene	4,400	330					
2-Chloronaphthalene	ND	330					
Chrysene	6,400	330					
Dibenz(ah)anthracene	720	330					
Fluoranthene	12,000	330					
Fluorene	360	330					
Indeno(123-cd)pyrene	5,000	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	6,700	330					
Pyrene	11,000	330					

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



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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 2

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: S-2 @ 6 INCH BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	510	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/19/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	1,000	330					
Benzo(a)anthracene	7,600	330					
Benzo(b)fluoranthene	12,000	330					
Benzo(k)fluoranthene	7,100	330					
Benzo(a)pyrene	8,900	330					
Benzo(ghi)perylene	8,400	330					
2-Chloronaphthalene	ND	330					
Chrysene	11,000	330					
Dibenz(ah)anthracene	1,500	330					
Fluoranthene	19,000	330					
Fluorene	650	330					
Indeno(123-cd)pyrene	9,500	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	12,000	330					
Pyrene	19,000	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 3

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: S-3 @ 6 INCH BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	1,500	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/19/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	2,400	330					
Benzo(a)anthracene	18,000	330					
Benzo(b)fluoranthene	29,000	330					
Benzo(k)fluoranthene	14,000	330					
Benzo(a)pyrene	21,000	330					
Benzo(ghi)perylene	21,000	330					
2-Chloronaphthalene	ND	330					
Chrysene	27,000	330					
Dibenz(ah)anthracene	4,500	330					
Fluoranthene	51,000	330					
Fluorene	1,800	330					
Indeno(123-cd)pyrene	24,000	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	33,000	330					
Pyrene	50,000	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 4

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: S-4 @ 6 INCH BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/19/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 5

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: S-5 @ 6 INCH BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/19/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 6

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: S-6 @ 6 INCH BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/19/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 7

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: D-1 @ 1FT BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/19/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	1,700	330					
Benzo(b)fluoranthene	2,300	330					
Benzo(k)fluoranthene	1,400	330					
Benzo(a)pyrene	1,800	330					
Benzo(ghi)perylene	1,800	330					
2-Chloronaphthalene	ND	330					
Chrysene	2,300	330					
Dibenz(ah)anthracene	430	330					
Fluoranthene	4,400	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	2,100	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	2,600	330					
Pyrene	3,700	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET
 MI
 SAMPLED BY: SIERRA REYNOLDS/MET
 SAMPLE MATRIX: SOIL
 SAMPLE ID: D-2 @ 2.5FT BGS

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 8
 DATE SAMPLED: 7/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 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	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/20/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	650	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	420	330					
Pyrene	570	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 9

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: D-3 @ 3FT BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/20/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 10

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: D-4 @ 1FT BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/20/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 11

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: D-5 @ 2.5 BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/20/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	ND	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 12

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: D-6 @ 1FT BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/20/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	390	330					
Benzo(a)anthracene	2,800	330					
Benzo(b)fluoranthene	5,300	330					
Benzo(k)fluoranthene	2,300	330					
Benzo(a)pyrene	3,600	330					
Benzo(ghi)perylene	3,600	330					
2-Chloronaphthalene	ND	330					
Chrysene	4,300	330					
Dibenz(ah)anthracene	770	330					
Fluoranthene	8,800	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	4,000	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	5,600	330					
Pyrene	8,000	330					

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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 13

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: D-7 @ 2.5FT BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/20/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	560	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	340	330					
Pyrene	460	330					

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



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COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 14

DATE SAMPLED: 7/8/2019
 TIME SAMPLED:

SAMPLED BY: MI
 SIERRA REYNOLDS/MET

DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM

SAMPLE MATRIX: SOIL
 SAMPLE ID: D-8 @ 3FT BGS

PNA EPA 8270D (SIM)

<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>
Acenaphthene	ND	330	ug/Kg (PPB)	KC/TR	7/16/2019	7/20/2019	EPA 3550B
Acenaphthylene	ND	330					
Anthracene	ND	330					
Benzo(a)anthracene	ND	330					
Benzo(b)fluoranthene	ND	330					
Benzo(k)fluoranthene	ND	330					
Benzo(a)pyrene	ND	330					
Benzo(ghi)perylene	ND	330					
2-Chloronaphthalene	ND	330					
Chrysene	ND	330					
Dibenz(ah)anthracene	ND	330					
Fluoranthene	350	330					
Fluorene	ND	330					
Indeno(123-cd)pyrene	ND	330					
2-Methylnaphthalene	ND	330					
Naphthalene	ND	330					
Phenanthrene	ND	330					
Pyrene	ND	330					

SOIL/SOLIDS CONCENTRATIONS ARE DETERMINED ON A DRY WEIGHT BASIS.
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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	1
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	11:15 AM
		DATE RECEIVED:	7/10/2019
	MI	TIME RECEIVED:	12:35 PM
SAMPLED BY:	SIERRA REYNOLDS/MET	SAMPLE MATRIX:	SOIL
SAMPLE ID:	S-1 @ 6 INCH BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.57	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.036	0.014	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	49	3.1	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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

DISS = DISSOLVED

COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET
 MI
 SAMPLED BY: SIERRA REYNOLDS/MET
 SAMPLE ID: S-2 @ 6 INCH BGS

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 2
 DATE SAMPLED: 7/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM
 SAMPLE MATRIX: SOIL

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.66	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.051	0.015	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	120	3.1	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	3
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	
		DATE RECEIVED:	7/10/2019
		TIME RECEIVED:	12:35 PM
SAMPLED BY:	SIERRA REYNOLDS/MET	SAMPLE MATRIX:	SOIL
SAMPLE ID:	S-3 @ 6 INCH BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.62	0.33	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.018	0.012	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.33	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	76	3.3	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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

DISS = DISSOLVED

COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET
 MI
 SAMPLED BY: SIERRA REYNOLDS/MET
 SAMPLE ID: S-4 @ 6 INCH BGS

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 4
 DATE SAMPLED: 7/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM
 SAMPLE MATRIX: SOIL

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.49	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.040	0.012	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	26	3.1	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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DISS = DISSOLVED



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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	5
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	
		DATE RECEIVED:	7/10/2019
		TIME RECEIVED:	12:35 PM
SAMPLED BY:	SIERRA REYNOLDS/MET	SAMPLE MATRIX:	SOIL
SAMPLE ID:	S-5 @ 6 INCH BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.56	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.043	0.014	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	29	3.1	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	6
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	
		DATE RECEIVED:	7/10/2019
		TIME RECEIVED:	12:35 PM
SAMPLED BY:	SIERRA REYNOLDS/MET	SAMPLE MATRIX:	SOIL
SAMPLE ID:	S-6 @ 6 INCH BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.50	0.27	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.041	0.014	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.27	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	28	2.7	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	7
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	7/10/2019
SAMPLED BY:	SIERRA REYNOLDS/MET	TIME RECEIVED:	12:35 PM
		SAMPLE MATRIX:	SOIL
SAMPLE ID:	D-1 @ 1FT BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.67	0.28	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.094	0.014	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.28	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	38	2.8	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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

DISS = DISSOLVED

COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET
 MI
 SAMPLED BY: SIERRA REYNOLDS/MET
 SAMPLE ID: D-2 @ 2.5FT BGS

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 8
 DATE SAMPLED: 7/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM
 SAMPLE MATRIX: SOIL

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	ND	0.27	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.017	0.012	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.27	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	12	2.7	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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DISS = DISSOLVED



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COMPANY: NEW HOPE NETWORK

GTA PROJECT NO: 071019-6

PROJECT NO: M19-3081

GTA SAMPLE NO: 9

LOCATION: 220 BURDETTE STREET

DATE SAMPLED: 7/8/2019

TIME SAMPLED:

DATE RECEIVED: 7/10/2019

TIME RECEIVED: 12:35 PM

MI

SAMPLED BY: SIERRA REYNOLDS/MET

SAMPLE MATRIX: SOIL

SAMPLE ID: D-3 @ 3FT BGS

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	ND	0.26	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.013	0.011	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.26	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	11	2.6	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

COMPANY: NEW HOPE NETWORK

GTA PROJECT NO: 071019-6

PROJECT NO: M19-3081

GTA SAMPLE NO: 10

LOCATION: 220 BURDETTE STREET

DATE SAMPLED: 7/8/2019

TIME SAMPLED:

DATE RECEIVED: 7/10/2019

TIME RECEIVED: 12:35 PM

MI

SAMPLED BY: SIERRA REYNOLDS/MET

SAMPLE MATRIX: SOIL

SAMPLE ID: D-4 @ 1FT BGS

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	ND	0.30	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.026	0.013	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.30	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	17	3.0	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED



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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	11
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	
		DATE RECEIVED:	7/10/2019
		TIME RECEIVED:	12:35 PM
SAMPLED BY:	SIERRA REYNOLDS/MET	SAMPLE MATRIX:	SOIL
SAMPLE ID:	D-5 @ 2.5 BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	ND	0.32	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.035	0.013	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.32	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	17	3.2	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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

DISS = DISSOLVED

COMPANY: NEW HOPE NETWORK
 PROJECT NO: M19-3081
 LOCATION: 220 BURDETTE STREET
 MI
 SAMPLED BY: SIERRA REYNOLDS/MET
 SAMPLE ID: D-6 @ 1FT BGS

GTA PROJECT NO: 071019-6
 GTA SAMPLE NO: 12
 DATE SAMPLED: 7/8/2019
 TIME SAMPLED:
 DATE RECEIVED: 7/10/2019
 TIME RECEIVED: 12:35 PM
 SAMPLE MATRIX: SOIL

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	0.44	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	0.040	0.013	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.31	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	47	3.1	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

ND = NOT DETECTED, RESULT < LOD
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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	13
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	7/10/2019
SAMPLED BY:	SIERRA REYNOLDS/MET	TIME RECEIVED:	12:35 PM
		SAMPLE MATRIX:	SOIL
SAMPLE ID:	D-7 @ 2.5FT BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	ND	0.27	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	ND	0.013	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.27	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	11	2.7	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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

DISS = DISSOLVED



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COMPANY:	NEW HOPE NETWORK	GTA PROJECT NO:	071019-6
PROJECT NO:	M19-3081	GTA SAMPLE NO:	14
LOCATION:	220 BURDETTE STREET	DATE SAMPLED:	7/8/2019
		TIME SAMPLED:	
	MI	DATE RECEIVED:	7/10/2019
SAMPLED BY:	SIERRA REYNOLDS/MET	TIME RECEIVED:	12:35 PM
		SAMPLE MATRIX:	SOIL
SAMPLE ID:	D-8 @ 3FT BGS		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
ARSENIC TOTAL EPA 6020A	ND	0.30	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
MERCURY TOTAL EPA 7471A	ND	0.014	mg/Kg (PPM)	MR/KR	7/22/2019	EPA 7471
SELENIUM TOTAL EPA 6020A	ND	0.30	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B
ZINC TOTAL EPA 6020A	10	3.0	mg/Kg (PPM)	MR/TR	7/19/2019	EPA 3050B

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COMPANY: NEW HOPE NETWORK

GTA PROJECT NO: 071019-6

NAME:

SAMPLED BY: SIERRA REYNOLDS/MET

PROJECT NO: M19-3081

DATE SAMPLED: 7/8/2019
TIME SAMPLED: 11:15 AM

LOCATION: 220 BURDETTE STREET

SAMPLE MATRIX: SOIL

MI

DATE RECEIVED: 7/10/2019
TIME RECEIVED: 12:35 PM

MOISTURE

<u>No:</u> <u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Complete</u>
SAMPLE ID: S-1 @ 6 INCH BGS % MOISTURE EPA 3550C	6.6	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: S-2 @ 6 INCH BGS % MOISTURE EPA 3550C	5.2	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: S-3 @ 6 INCH BGS % MOISTURE EPA 3550C	3.6	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: S-4 @ 6 INCH BGS % MOISTURE EPA 3550C	4.8	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: S-5 @ 6 INCH BGS % MOISTURE EPA 3550C	5.1	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: S-6 @ 6 INCH BGS % MOISTURE EPA 3550C	8.5	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-1 @ 1FT BGS % MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-2 @ 2.5FT BGS % MOISTURE EPA 3550C	4.6	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-3 @ 3FT BGS % MOISTURE EPA 3550C	4.3	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-4 @ 1FT BGS % MOISTURE EPA 3550C	3.9	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-5 @ 2.5 BGS % MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-6 @ 1FT BGS % MOISTURE EPA 3550C	3.2	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-7 @ 2.5FT BGS % MOISTURE EPA 3550C	3.2	0.050	% OF SAMPLE	AS	7/10/2019
SAMPLE ID: D-8 @ 3FT BGS % MOISTURE EPA 3550C	3.3	0.050	% OF SAMPLE	AS	7/10/2019

CHAIN OF CUSTODY

PROJECT NUMBER M19-3081	SITE NAME/ADDRESS 220 Burdette Street	COMPANY/NAME New Hope Network
SAMPLED BY Sierra Reynolds	COMPANY Mackinac Environmental Technology	GTA PROJECT # 071019-6

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	S-1 @ birch bgs	7/8/19	1115	Soil	arsenic, mercury, Selenium, zinc, PNAS
2	S-2			Soil	
3	S-3			Soil	
4	S-4			Soil	
5	S-5			Soil	
6	S-6			Soil	
7	D-1 @ 1ft bgs				
8	D-2 @ 2.5ft bgs				
9	D-3 @ 3ft bgs				
10	D-4 @ 1ft bgs				
11	D-5 @ 2.5ft bgs				
12	D-6 @ 1ft bgs				Shipped on ice
13	D-7 @ 2.5ft bgs				
14	D-8 @ 3ft bgs				

BILL TO:

REPORT TO:

RELEASED BY Sierra Reynolds	DATE/TIME 7/9/19 1500	RECEIVED BY [Signature]	DATE/TIME 7/10/19 12:35
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REQUESTED TAT STANDARD 1 BUSINESS DAY 2 BUSINESS DAYS 3 BUSINESS DAYS