



INDEPENDENT TESTING LAB

830 ROBINWOOD COURT, TRAVERSE CITY, MI 49686

PH: 231-929-0905

FAX: 231-929-0894

www.gtanalytical.com

Company: BCOC
Name:
ClientProj: 4276
GTA ProjNo: 082619-5

Site Addr: HILLTOP EXPRESS

Sampled By: RA/COMPLIANCE
Date Rec: 8/26/2019
Time Rec: 9:00 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	GP-1 9.0-9.5'	8/23/2019		SOIL
2	GP-2 9.0-9.5'	8/23/2019		SOIL
3	GP-3 14-14.5'	8/23/2019		SOIL
4	GP-4 15'	8/23/2019		SOIL
5	GP-5 20'	8/23/2019		SOIL
6	B-6 6'	8/23/2019		SOIL
7	B-10 4'	8/23/2019		SOIL
8	B-11 6'	8/23/2019		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: BCOC
PROJECT NO: 4276
LOCATION: HILLTOP EXPRESS

MI
SAMPLE MATRIX: SOIL
SAMPLE ID: GP-1 9.0-9.5'

GTA PROJECT NO: 082619-5
GTA SAMPLE NO: 1
DATE SAMPLED: 8/23/2019
TIME SAMPLED:
DATE RECEIVED: 8/26/2019
TIME RECEIVED: 9:00 AM

SAMPLED BY: RA/COMPLIANCE

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

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	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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



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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS

 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: GP-2 9.0-9.5'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 2
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

SAMPLED BY: RA/COMPLIANCE

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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	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS

 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: GP-3 14-14.5'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 3
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

SAMPLED BY: RA/COMPLIANCE

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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	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	ND	50					
1,3,5-Trimethylbenzene	ND	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	ND	250					
2-Methylnaphthalene	ND	250					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS

 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: GP-4 15'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

SAMPLED BY: RA/COMPLIANCE

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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	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	ND	150					
1,2,4-Trimethylbenzene	1,700	50					
1,3,5-Trimethylbenzene	940	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	2,600	250					
2-Methylnaphthalene	11,000	250					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS

 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: GP-5 20'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 5
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

SAMPLED BY: RA/COMPLIANCE

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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	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	1,000	50					
Ethylbenzene	14,000	250					
Xylene(Total)	200,000	750					
1,2,4-Trimethylbenzene	270,000	250					
1,3,5-Trimethylbenzene	87,000	250					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	38,000	630					
2-Methylnaphthalene	120,000	630					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS
 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 6'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 6
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

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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	71	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	25,000	250					
Ethylbenzene	5,600	250					
Xylene(Total)	37,000	750					
1,2,4-Trimethylbenzene	11,000	250					
1,3,5-Trimethylbenzene	3,500	250					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	2,500	250					
2-Methylnaphthalene	4,600	250					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS

 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-10 4'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 7
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

SAMPLED BY: RA/COMPLIANCE

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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	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	ND	50					
Ethylbenzene	ND	50					
Xylene(Total)	61,000	1,500					
1,2,4-Trimethylbenzene	470,000	500					
1,3,5-Trimethylbenzene	200,000	500					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	8,800	1,250					
2-Methylnaphthalene	140,000	1,250					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS

 MI
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-11 6'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 8
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

SAMPLED BY: RA/COMPLIANCE

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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	50	ug/Kg (PPB)	MR	8/23/2019	8/27/2019	EPA 5035A
Toluene	420	50					
Ethylbenzene	ND	50					
Xylene(Total)	3,700	150					
1,2,4-Trimethylbenzene	6,700	50					
1,3,5-Trimethylbenzene	3,100	50					
Methyl-t-Butyl Ether	ND	250					
Naphthalene	460	250					
2-Methylnaphthalene	1,900	250					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS
 MI
 SAMPLED BY: RA/COMPLIANCE
 SAMPLE MATRIX: SOIL
 SAMPLE ID: GP-4 15'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 4
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

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	9/6/2019	9/6/2019	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					
Phenanthrene	380	330					
Pyrene	ND	330					

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COMPANY:	BCOC	GTA PROJECT NO:	082619-5
PROJECT NO:	4276	GTA SAMPLE NO:	5
LOCATION:	HILLTOP EXPRESS	DATE SAMPLED:	8/23/2019
		TIME SAMPLED:	
SAMPLED BY:	MI RA/COMPLIANCE	DATE RECEIVED:	8/26/2019
		TIME RECEIVED:	9:00 AM
SAMPLE MATRIX:	SOIL		
SAMPLE ID:	GP-5 20'		

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	9/6/2019	9/6/2019	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					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: BCOC
 PROJECT NO: 4276
 LOCATION: HILLTOP EXPRESS
 MI
 SAMPLED BY: RA/COMPLIANCE
 SAMPLE MATRIX: SOIL
 SAMPLE ID: B-6 6'

GTA PROJECT NO: 082619-5
 GTA SAMPLE NO: 6
 DATE SAMPLED: 8/23/2019
 TIME SAMPLED:
 DATE RECEIVED: 8/26/2019
 TIME RECEIVED: 9:00 AM

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	9/6/2019	9/6/2019	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					
Phenanthrene	ND	330					
Pyrene	ND	330					

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COMPANY: BCOG

NAME:
PROJECT NO: 4276

LOCATION: HILLTOP EXPRESS

MI

GTA PROJECT NO: 082619-5
SAMPLED BY: RA/COMPLIANCE

DATE SAMPLED: 8/23/2019
TIME SAMPLED:

SAMPLE MATRIX: SOIL

DATE RECEIVED: 8/26/2019
TIME RECEIVED: 9:00 AM

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: GP-1 9.0-9.5'					
	% MOISTURE EPA 3550C	4.4	0.050	% OF SAMPLE	TR	8/26/2019
	SAMPLE ID: GP-2 9.0-9.5'					
	% MOISTURE EPA 3550C	45	0.050	% OF SAMPLE	TR	8/26/2019
	SAMPLE ID: GP-3 14-14.5'					
	% MOISTURE EPA 3550C	3.5	0.050	% OF SAMPLE	TR	8/26/2019
	SAMPLE ID: GP-4 15'					
	% MOISTURE EPA 3550C	10	0.050	% OF SAMPLE	TR	8/26/2019
	SAMPLE ID: GP-5 20'					
	% MOISTURE EPA 3550C	13	0.050	% OF SAMPLE	TR	8/26/2019
	SAMPLE ID: B-6 6'					
	% MOISTURE EPA 3550C	14	0.050	% OF SAMPLE	TR	8/26/2019
	SAMPLE ID: B-10 4'					
	% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	TR	8/26/2019
	SAMPLE ID: B-11 6'					
	% MOISTURE EPA 3550C	12	0.050	% OF SAMPLE	TR	8/26/2019

