

**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: 4445

GTA ProjNo: 121420-3

Site Addr: VILLAGE MARKET

VANDERBILT

Sampled By: JR/DH - COMPLIANCE

Date Rec: 12/14/2020

Time Rec: 10:25 AM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	GP-1 25.5'	12/11/2020	10:55 AM	SOIL
2	DN 3'	12/11/2020	11:25 AM	SOIL
3	DS 5'	12/11/2020	10:30 AM	SOIL
4	DIESEL PORT 2'	12/11/2020	11:35 AM	SOIL
5	GP-1	12/11/2020	11:30 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
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Court Traverse City, MI
49686 Ph: 231-929-0905
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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET
VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE
SAMPLE SOIL

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 1
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 10:55 AM
DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 AM
SAMPLE ID: GP-1 25.5'

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	12/11/2020	12/15/2020	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					
1,2-Dibromoethane	ND	20					
1,2-Dichloroethane	ND	50					

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

ND = NOT DETECTED

LOD = LIMIT OF DETECTION

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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET
VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE
SAMPLE SOIL

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 2
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 11:25 AM
DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 AM
SAMPLE ID: DN 3'

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	12/11/2020	12/15/2020	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					
1,2-Dibromoethane	ND	20					
1,2-Dichloroethane	ND	50					

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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET
VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE
SAMPLE SOIL

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 3
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 10:30 AM
DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 AM
SAMPLE ID: DS 5'

**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>Completed</u>	<u>Prep Method</u>
Benzene	ND	50	ug/Kg (PPB)	MR	12/11/2020	12/15/2020	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					
1,2-Dibromoethane	ND	20					
1,2-Dichloroethane	ND	50					

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

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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET
VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE
SAMPLE WATER

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 5
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 AM
SAMPLE ID: GP-1

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>Completed</u>	<u>Prep Method</u>
Benzene	ND	1.0	ug/L (PPB)	MR		12/15/2020	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					
1,2-Dibromoethane	ND	1.0					
1,2-Dichloroethane	ND	1.0					

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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET

VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE

SAMPLE MATRIX: SOIL
SAMPLE ID: GP-1 25.5'

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 1

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 10:55 AM

DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 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	330	ug/Kg (PPB)	KC/TR	12/15/2020	12/18/2020	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					

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

ND = NOT DETECTED

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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET

VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE

SAMPLE MATRIX: SOIL
SAMPLE ID: DS 5'

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 3

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 10:30 AM

DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 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	330	ug/Kg (PPB)	KC/TR	12/15/2020	12/18/2020	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					

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

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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET

VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE

SAMPLE MATRIX: SOIL
SAMPLE ID: DIESEL PORT 2'

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 4

DATE SAMPLED: 12/11/2020
TIME SAMPLED: 11:35 AM

DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 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	330	ug/Kg (PPB)	KC/TR	12/15/2020	12/19/2020	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	2,000	330					

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COMPANY: BCOC
PROJECT NO: 4445
LOCATION: VILLAGE MARKET
VANDERBILT
MI
SAMPLED BY: JR/DH - COMPLIANCE
SAMPLE MATRIX: WATER
SAMPLE ID: GP-1

GTA PROJECT NO: 121420-3
GTA SAMPLE NO: 5
DATE SAMPLED: 12/11/2020
TIME SAMPLED: 11:30 AM
DATE RECEIVED: 12/14/2020
TIME RECEIVED: 10:25 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>Completed</u>	<u>Prep Method</u>
Acenaphthene	ND	5.0	ug/L (PPB)	KC/TR	12/15/2020	12/17/2020	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					
2-Methylnaphthalene	ND	5.0					
Naphthalene	ND	5.0					
Phenanthrene	ND	2.0					
Pyrene	ND	5.0					

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NAME:

PROJECT NO: 4445

LOCATION: VILLAGE MARKET

VANDERBILT
MI

GTA PROJECT NO: 121420-3

SAMPLED BY: JR/DH - COMPLIANCE

DATE SAMPLED: 12/11/2020

TIME SAMPLED: 10:55 AM

SAMPLE SOIL

DATE RECEIVED: 12/14/2020

TIME RECEIVED: 10:25 AM

MOISTURE**No: Analysis**

SAMPLE ID: GP-1 25.5'

% MOISTURE EPA 3550C

SAMPLE ID: DN 3'

% MOISTURE EPA 3550C

SAMPLE ID: DS 5'

% MOISTURE EPA 3550C

SAMPLE ID: DIESEL PORT 2'

% MOISTURE EPA 3550C

<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>
12	0.050	% OF SAMPLE	AS	12/14/2020
4.5	0.050	% OF SAMPLE	AS	12/14/2020
4.8	0.050	% OF SAMPLE	AS	12/14/2020
6.6	0.050	% OF SAMPLE	AS	12/14/2020

CHAIN OF CUSTODY

PROJECT NUMBER 4445	SITE NAME/ADDRESS Village Market - Vanderbilt	COMPANY/NAME BLOC
SAMPLED BY J. Rossi / D. Hull	COMPANY Compliance	GTA PROJECT # 12420-3

SAMPLE INFORMATION

#	SAMPLE ID	DATE SAMPLED	TIME	MATRIX	ANALYSIS
1	GP-1 25.5'	12-11-20	10:55	Soil	Gas Scan VOLs, PNA's
2	DN 3'	12-11-20	11:25	Soil	Gas Scan VOLs
3	DS 5'	12-11-20	10:30	Soil	Gas Scan VOLs, PNA's
4	Diesel Port 2'	12-11-20	11:35	Soil	PNA's
5	GP-1	12-11-20	11:30	GW	Gas Scan VOLs, PNA's

BILL TO:

REPORT TO:

10.3° on ice

RELEASED BY

DATE/TIME

RECEIVED BY

DATE/TIME

J. Rossi

12-14-20 10:25

Lisa Violante

12-14-2020 10:25a

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