



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: M20-3263
GTA ProjNo: 062320-1

Site Addr: BUCK'S BODY REPAIR

Sampled By: BRAD JEFFERS/MET
Date Rec: 6/23/2020
Time Rec: 12:30 PM

Sample No.	Sample ID	Date Sampled	Time Sampled	Sample Matrix
1	S-1	6/22/2020		WATER
2	S-2	6/22/2020		WATER
3	S-3	6/22/2020		WATER
4	S-4	6/22/2020		WATER
5	S-5 @ 0-0.5'	6/22/2020		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.

A handwritten signature in cursive script that reads "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

GTA PROJECT NO: 062320-1

PROJECT NO: M20-3263

GTA SAMPLE NO: 1

LOCATION: BUCK'S BODY REPAIR

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

SAMPLED BY: BRAD JEFFERS/MET

SAMPLE MATRIX: WATER

SAMPLE ID: S-1

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB)

Analyst= MR

Date

Date Completed= 6/24/2020

Prep

EPA 5030B

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBEZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBENZENE	ND	1.0
1,3-DICHLOROBENZENE	ND	1.0
1,4-DICHLOROBENZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHANE	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBENZENE	ND	1.0
1,2,4-TRICHLOROBENZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.



INDEPENDENT TESTING LAB

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PH: 231-929-0905

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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 062320-1

PROJECT NO: M20-3263

GTA SAMPLE NO: 2

LOCATION: BUCK'S BODY REPAIR

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

SAMPLED BY: BRAD JEFFERS/MET

SAMPLE MATRIX: WATER

SAMPLE ID: S-2

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB)

Analyst= MR

Date

Date Completed= 6/24/2020

Prep

EPA 5030B

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBENZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBENZENE	ND	1.0
1,3-DICHLOROBENZENE	ND	1.0
1,4-DICHLOROBENZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHANE	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBENZENE	ND	1.0
1,2,4-TRICHLOROBENZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.



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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 062320-1

PROJECT NO: M20-3263

GTA SAMPLE NO: 3

LOCATION: BUCK'S BODY REPAIR

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

SAMPLED BY: BRAD JEFFERS/MET

SAMPLE MATRIX: WATER

SAMPLE ID: S-3

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB)

Analyst= MR

Date

Date Completed= 6/24/2020

Prep

EPA 5030B

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBENZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBENZENE	ND	1.0
1,3-DICHLOROBENZENE	ND	1.0
1,4-DICHLOROBENZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHANE	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBENZENE	ND	1.0
1,2,4-TRICHLOROBENZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.



INDEPENDENT TESTING LAB

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PH: 231-929-0905

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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 062320-1

PROJECT NO: M20-3263

GTA SAMPLE NO: 4

LOCATION: BUCK'S BODY REPAIR

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

SAMPLED BY: BRAD JEFFERS/MET

SAMPLE MATRIX: WATER

SAMPLE ID: S-4

EPA 8260B VOLATILE ORGANICS

Units= ug/L (PPB)

Analyst= MR

Date

Date Completed= 6/24/2020

Prep

EPA 5030B

Analyte	Concentration	LOD
ACETONE	ND	25
ALLYL CHLORIDE	ND	10
BENZENE	ND	1.0
BROMOBENZENE	ND	1.0
BROMOCHLOROMETHANE	ND	1.0
BROMODICHLOROMETHANE	ND	1.0
BROMOFORM	ND	1.0
BROMOMETHANE	ND	1.0
n-BUTYLBENZENE	ND	1.0
s-BUTYLBENZENE	ND	1.0
t-BUTYLBENZENE	ND	1.0
CARBON DISULFIDE	ND	5.0
CARBON TETRACHLORIDE	ND	1.0
CHLOROBENZENE	ND	1.0
1-CHLOROBUTANE	ND	1.0
CHLOROFORM	ND	1.0
CHLOROETHANE	ND	1.0
CHLOROMETHANE	ND	1.0
2-CHLOROTOLUENE	ND	1.0
4-CHLOROTOLUENE	ND	1.0
DIBROMOCHLOROMETHANE	ND	1.0
DIBROMOMETHANE	ND	1.0
1,2-DIBROMOETHANE	ND	1.0
1,2-DICHLOROBENZENE	ND	1.0
1,3-DICHLOROBENZENE	ND	1.0
1,4-DICHLOROBENZENE	ND	1.0
t-1,4-DICHLORO-2-BUTENE	ND	10
DICHLORODIFLUOROMETHANE	ND	1.0
1,1-DICHLOROETHANE	ND	1.0
1,2-DICHLOROETHANE	ND	1.0
1,1-DICHLOROETHENE	ND	1.0
cis-1,2-DICHLOROETHENE	ND	1.0
trans-1,2-DICHLOROETHENE	ND	1.0
1,2-DICHLOROPROPANE	ND	1.0
1,3-DICHLOROPROPANE	ND	1.0
2,2-DICHLOROPROPANE	ND	1.0
1,1-DICHLOROPROPENE	ND	1.0

Analyte	Concentration	LOD
cis-1,3-DICHLOROPROPENE	ND	1.0
trans-1,3-DICHLOROPROPENE	ND	1.0
DIETHYL ETHER	ND	10
ETHYLBENZENE	ND	1.0
ETHYL METHACRYLATE	ND	10
HEXACHLOROBUTADIENE	ND	1.0
HEXACHLOROETHANE	ND	10
2-HEXANONE	ND	10
IDOMETHANE	ND	10
ISOPROPYLBENZENE	ND	1.0
ISOPROPYLTOLUENE	ND	1.0
METHYL ACRYLATE	ND	10
METHYL ETHYL KETONE	ND	10
METHYL-t-BUTYL ETHER	ND	5.0
METHYLENE CHLORIDE	ND	1.0
METHYL METHACRYLATE	ND	10
MIBK	ND	10
2-METHYLNAPHTHALENE	ND	5.0
NAPHTHALENE	ND	5.0
PENTACHLOROETHANE	ND	10
n-PROPYLBENZENE	ND	1.0
STYRENE	ND	1.0
1,1,1,2-TETRACHLOROETHANE	ND	1.0
1,1,2,2-TETRACHLOROETHANE	ND	1.0
TETRACHLOROETHENE	ND	1.0
TOLUENE	ND	1.0
1,2,3-TRICHLOROBENZENE	ND	1.0
1,2,4-TRICHLOROBENZENE	ND	1.0
1,1,1-TRICHLOROETHANE	ND	1.0
1,1,2-TRICHLOROETHANE	ND	1.0
TRICHLOROETHENE	ND	1.0
TRICHLORFLUOROMETHANE	ND	1.0
1,2,3-TRICHLOROPROPANE	ND	1.0
1,2,4-TRIMETHYLBENZENE	ND	1.0
1,3,5-TRIMETHYLBENZENE	ND	1.0
VINYL CHLORIDE	ND	1.0
XYLENE (TOTAL)	ND	3.0

ND = NOT DETECTED, RESULT IS <LOD.

LOD = LIMIT OF DETECTION.



INDEPENDENT TESTING LAB

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3263
LOCATION: BUCK'S BODY REPAIR

SAMPLED BY: BRAD JEFFERS/MET

SAMPLE MATRIX: SOIL

GTA PROJECT NO: 062320-1
GTA SAMPLE NO: 5

DATE SAMPLED: 6/22/2020
TIME SAMPLED:

DATE RECEIVED: 6/23/2020
TIME RECEIVED: 12:30 PM

**THIS SAMPLE WAS RECEIVED MEOH PRESERVED.

SAMPLE ID: S-5 @ 0-0.5'

EPA 8260B VOLATILE ORGANICS

Units= ug/Kg (PPB)	Analyst= MR	Date	6/22/2020	Date Completed= 6/24/2020	Prep	EPA 5035A
Analyte	Concentration	LOD	Analyte	Concentration	LOD	
ACETONE	ND	1,000	cis-1,3-DICHLOROPROPENE	ND	50	
ALLYL CHLORIDE	ND	250	trans-1,3-DICHLOROPROPENE	ND	50	
BENZENE	ND	50	DIETHYL ETHER	ND	200	
BROMOBENZENE	ND	100	ETHYLBENZENE	ND	50	
BROMOCHLOROMETHANE	ND	100	ETHYL METHACRYLATE	ND	250	
BROMODICHLOROMETHANE	ND	50	HEXACHLOROBUTADIENE	ND	50	
BROMOFORM	ND	100	HEXACHLOROETHANE	ND	250	
BROMOMETHANE	ND	200	2-HEXANONE	ND	2,500	
n-BUTYLBENZENE	ND	50	IDOMETHANE	ND	250	
s-BUTYLBENZENE	ND	50	ISOPROPYLBENZENE	ND	50	
t-BUTYLBENZENE	ND	50	ISOPROPYLTOLUENE	ND	50	
CARBON DISULFIDE	ND	250	METHYL ACRYLATE	ND	250	
CARBON TETRACHLORIDE	ND	50	METHYL ETHYL KETONE	ND	750	
CHLOROBENZENE	ND	50	METHYL-t-BUTYL ETHER	ND	250	
1-CHLOROBUTANE	ND	100	METHYLENE CHLORIDE	ND	100	
CHLOROFORM	ND	50	METHYL METHACRYLATE	ND	250	
CHLOROETHANE	ND	250	MIBK	ND	2,500	
CHLOROMETHANE	ND	250	2-METHYLNAPHTHALENE	ND	250	
2-CHLOROTOLUENE	ND	50	NAPHTHALENE	ND	250	
4-CHLOROTOLUENE	ND	50	PENTACHLOROETHANE	ND	250	
DIBROMOCHLOROMETHANE	ND	100	n-PROPYLBENZENE	ND	50	
DIBROMOMETHANE	ND	250	STYRENE	ND	50	
1,2-DIBROMOETHANE	ND	20	1,1,1,2-TETRACHLOROETHANE	ND	100	
1,2-DICHLOROETHANE	ND	50	1,1,2,2-TETRACHLOROETHANE	ND	50	
1,3-DICHLOROETHANE	ND	50	TETRACHLOROETHENE	ND	50	
1,4-DICHLOROETHANE	ND	50	TOLUENE	ND	50	
t-1,4-DICHLORO-2-BUTENE	ND	50	1,2,3-TRICHLOROETHANE	ND	50	
DICHLORODIFLUOROMETHANE	ND	250	1,2,4-TRICHLOROETHANE	ND	250	
1,1-DICHLOROETHANE	ND	50	1,1,1-TRICHLOROETHANE	ND	50	
1,2-DICHLOROETHANE	ND	50	1,1,2-TRICHLOROETHANE	ND	50	
1,1-DICHLOROETHENE	ND	50	TRICHLOROETHENE	ND	50	
cis-1,2-DICHLOROETHENE	ND	50	TRICHLORFLUOROMETHANE	ND	100	
trans-1,2-DICHLOROETHENE	ND	50	1,2,3-TRICHLOROPROPANE	ND	100	
1,2-DICHLOROPROPANE	ND	50	1,2,4-TRIMETHYLBENZENE	170	50	
1,3-DICHLOROPROPANE	ND	50	1,3,5-TRIMETHYLBENZENE	140	50	
2,2-DICHLOROPROPANE	ND	50	VINYL CHLORIDE	ND	40	
1,1-DICHLOROPROPENE	ND	50	XYLENE (TOTAL)	410	150	

ND = NOT DETECTED, RESULT IS <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: M20-3263

LOCATION: BUCK'S BODY REPAIR

GTA PROJECT NO: 062320-1

GTA SAMPLE NO: 1

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

SAMPLED BY: MI
BRAD JEFFERS/MET

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

SAMPLE MATRIX: WATER

SAMPLE ID: S-1

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	6/27/2020	6/28/2020	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: M20-3263

LOCATION: BUCK'S BODY REPAIR

SAMPLED BY: MI
BRAD JEFFERS/MET

SAMPLE MATRIX: WATER
SAMPLE ID: S-2

GTA PROJECT NO: 062320-1

GTA SAMPLE NO: 2

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 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	6/27/2020	6/28/2020	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: M20-3263

LOCATION: BUCK'S BODY REPAIR

SAMPLED BY: MI
BRAD JEFFERS/MET

SAMPLE MATRIX: WATER
SAMPLE ID: S-3

GTA PROJECT NO: 062320-1

GTA SAMPLE NO: 3

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 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	6/27/2020	6/28/2020	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: M20-3263

LOCATION: BUCK'S BODY REPAIR

SAMPLED BY: MI
BRAD JEFFERS/MET

SAMPLE MATRIX: WATER
SAMPLE ID: S-4

GTA PROJECT NO: 062320-1

GTA SAMPLE NO: 4

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 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	6/27/2020	6/28/2020	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.

**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: M20-3263

LOCATION: BUCK'S BODY REPAIR

SAMPLED BY: MI

BRAD JEFFERS/MET

SAMPLE ID: S-1

GTA PROJECT NO: 062320-1

GTA SAMPLE NO: 1

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

SAMPLE MATRIX: WATER

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
CHROMIUM TOTAL EPA 6020A	0.0048	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
LEAD TOTAL EPA 6020A	0.020	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A

ND = NOT DETECTED, RESULT < LOD

LOD = LIMIT OF DETECTION

DISS = DISSOLVED

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COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	062320-1
PROJECT NO:	M20-3263	GTA SAMPLE NO:	2
LOCATION:	BUCK'S BODY REPAIR	DATE SAMPLED:	6/22/2020
		TIME SAMPLED:	
		DATE RECEIVED:	6/23/2020
		TIME RECEIVED:	12:30 PM
SAMPLED BY:	MI BRAD JEFFERS/MET	SAMPLE MATRIX:	WATER
SAMPLE ID:	S-2		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
CHROMIUM TOTAL EPA 6020A	0.0019	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
LEAD TOTAL EPA 6020A	0.011	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A

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LOD = LIMIT OF DETECTION

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FAX: 231-929-0894

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COMPANY: MACKINAC ENVIRONMENTAL
PROJECT NO: M20-3263
LOCATION: BUCK'S BODY REPAIR
DATE SAMPLED: 6/22/2020
TIME SAMPLED:
DATE RECEIVED: 6/23/2020
TIME RECEIVED: 12:30 PM
SAMPLE MATRIX: WATER
SAMPLER BY: MI
BRAD JEFFERS/MET
SAMPLE ID: S-3

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
CHROMIUM TOTAL EPA 6020A	0.0027	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
LEAD TOTAL EPA 6020A	0.011	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A

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

DISS = DISSOLVED

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY:	MACKINAC ENVIRONMENTAL	GTA PROJECT NO:	062320-1
PROJECT NO:	M20-3263	GTA SAMPLE NO:	4
LOCATION:	BUCK'S BODY REPAIR	DATE SAMPLED:	6/22/2020
		TIME SAMPLED:	
		DATE RECEIVED:	6/23/2020
		TIME RECEIVED:	12:30 PM
SAMPLED BY:	MI BRAD JEFFERS/MET	SAMPLE MATRIX:	WATER
SAMPLE ID:	S-4		

METALS

<u>Analysis</u>	<u>Concentration</u>	<u>LOD</u>	<u>Units</u>	<u>Analyst</u>	<u>Date Completed</u>	<u>Digestion Method</u>
CADMIUM TOTAL EPA 6020A	ND	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
CHROMIUM TOTAL EPA 6020A	0.0049	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A
LEAD TOTAL EPA 6020A	0.019	0.0010	mg/L (PPM)	MR	7/3/2020	EPA 3005A

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

DISS = DISSOLVED

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COMPANY: MACKINAC ENVIRONMENTAL

PROJECT NO: M20-3263

LOCATION: BUCK'S BODY REPAIR

SAMPLED BY: MI

BRAD JEFFERS/MET

SAMPLE ID: S-5 @ 0-0.5'

GTA PROJECT NO: 062320-1

GTA SAMPLE NO: 5

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 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>
CADMIUM TOTAL EPA 6020A	7.2	0.42	mg/Kg (PPM)	MR	7/3/2020	EPA 3050B
CHROMIUM TOTAL EPA 6020A	110	8.4	mg/Kg (PPM)	MR	7/3/2020	EPA 3050B
LEAD TOTAL EPA 6020A	470	8.4	mg/Kg (PPM)	MR	7/3/2020	EPA 3050B

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LOD = LIMIT OF DETECTION

DISS = DISSOLVED



INDEPENDENT TESTING LAB

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PH: 231-929-0905

FAX: 231-929-0894

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COMPANY: MACKINAC ENVIRONMENTAL

GTA PROJECT NO: 062320-1

NAME:

SAMPLED BY: BRAD JEFFERS/MET

PROJECT NO: M20-3263

DATE SAMPLED: 6/22/2020

TIME SAMPLED:

LOCATION: BUCK'S BODY REPAIR

SAMPLE MATRIX: SOIL

DATE RECEIVED: 6/23/2020

TIME RECEIVED: 12:30 PM

MI

MOISTURE

No: Analysis

SAMPLE ID: S-5 @ 0-0.5'

% MOISTURE EPA 3550C

Concentration

LOD

Units

Analyst

Date
Complete

11

0.050

% OF SAMPLE

AS

6/23/2020

