

Report Number  
F24032-6509  
Account Number



To: OBLIGATION FARM  
[REDACTED] SOLOMONS ISLAND RD  
HARWOOD, MD 20776-9437

Attn: [REDACTED]

Sample ID: OBLIGATION FARM

Lab Number: 62947



**a&lgreatlakes**  
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*Scientists who don't mind getting dirty.™*

3505 Conestoga Dr.  
Fort Wayne, IN 46808  
260.483.4759  
algreatlakes.com



## COMPOST ANALYSIS

Date Sampled: 1/29/2024

Date Received: 2/1/2024

Date Reported: 2/13/2024

Page: 1 of 3

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Moisture @ 70 C	%	75.25		TMECC 03.09-A
Solids	%	24.75		TMECC 03.09-A
Total Nitrogen (N)	%	0.46	1.85	TMECC 04.02-D
Phosphorus (P)	%	0.14	0.55	TMECC 04.03-A
Phosphate (P <sub>2</sub> O <sub>5</sub> )	%	0.31	1.26	TMECC 04.03-A
Potassium (K)	%	0.33	1.33	TMECC 04.04-A
Potash (K <sub>2</sub> O)	%	0.40	1.60	TMECC 04.04-A
Arsenic	mg/kg	1.83	7.40	US EPA SW846-6020
Cadmium	mg/kg	0.083	0.336	US EPA SW846-6020
Chromium	mg/kg	13.2	53.4	US EPA SW846-6020
Copper	mg/kg	10.1	40.7	US EPA SW846-6010C
Mercury	mg/kg	0.011	0.043	US EPA SW846-6020
Molybdenum	mg/kg	0.64	2.60	US EPA SW846-6020
Nickel	mg/kg	5.3	21.4	US EPA SW846-6020
Lead	mg/kg	0.91	3.67	US EPA SW846-6020

TMECC - Test Methods for the Examination of Composting and Compost (TMECC), The U.S. Composting Council.

COMPOST

Report Approved By:

Don Buraess - Agronomist / Technical Services - CPA/CPPSS/CCA

Approval Date: 2/13/2024

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To: OBLIGATION FARM  
[REDACTED] SOLOMONS ISLAND RD  
HARWOOD, MD 20776-9437

Attn: [REDACTED]

Sample ID: OBLIGATION FARM  
Lab Number: 62947

## COMPOST ANALYSIS

Date Sampled: 1/29/2024  
Date Received: 2/1/2024  
Date Reported: 2/13/2024

Page: 2 of 3

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Selenium	mg/kg	0.25	1.00	US EPA SW846-6020
Zinc	mg/kg	49	196	US EPA SW846-6010C
503 Metals PASS/FAIL	pass/fail		PASS	EPA 503 Metal Limits
pH	-	7.6		TMECC 04.11-A
Salmonella	MPN/4g dry		< 3	TMECC 07.02
Pathogen Reduction - PASS/FAIL	pass/fail		PASS	40 CFR 503 Class A Compost
Film Plastic > 4mm	%		0.00	TMECC 03.08-A
Man-Made Inerts >4mm / <13mm	%		0.00	TMECC 03.08-A
PCB, Total	mg/kg	< 0.017	< 0.067	SW846-8082
Acenaphthene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Acenaphthylene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Anthracene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Benzo(a)anthracene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Benzo(a)pyrene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Benzo(b)fluoranthene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B

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To: OBLIGATION FARM  
405 SOLOMONS ISLAND RD  
HARWOOD, MD 20776-9437

Attn: EMILY WILSON  
Sample ID: OBLIGATION FARM  
Lab Number: 62947

### COMPOST ANALYSIS

Date Sampled: 1/29/2024  
Date Received: 2/1/2024  
Date Reported: 2/13/2024  
Page: 3 of 3

Analysis	Unit	Analysis Result	Dry Basis Result	Analysis Method
Benzo(g,h,i)perylene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Benzo(k)fluoranthene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Dibenzo(a,h)anthracene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Fluoranthene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Fluorene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Indeno(1,2,3-cd)pyrene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
2-Methylnaphthalene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Naphthalene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Phenanthrene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Pyrene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B
Chrysene	mg/kg	< 0.08	< 0.33	SW846-8270D/3550B

**Analytical Report**

Bill To: A&L Laboratories 3505 Conestoga Drive Ft. Wayne, IN, United States 46808 Attn: Accounting Dept	Project ID: F24032-6509 503 Metals+Cr in Compost	Lot ID: <b>176392</b>
Sampled By: Company:	Project Name: Project Location: LSD: P.O.: F24032-6509 Proj. Acct. code:	Control Number: Date Received: Feb 5, 2024 Date Reported: Feb 12, 2024 Report Number: 277346 Report Type: Final Report

Reference Number	176392-1	Sample Date			Sample Matrix	Compost		
Sample Description	62947							
Analyte	Result	Units	Qal	DF	Nominal DL	Analysis Start Date/Time	Analyst Initials	
<b>Metals in Solids by ICP-MS</b>								
Arsenic	Wet Weight	7.21	mg/Kg		10	0.0010	Feb 12, 2024 16:11	CO
Cadmium	Wet Weight	0.327	mg/Kg		10	0.0010	Feb 12, 2024 16:11	CO
Chromium	Wet Weight	52.0	mg/Kg		10	0.002	Feb 12, 2024 16:11	CO
Copper	Wet Weight	39.6	mg/Kg		10	0.002	Feb 12, 2024 16:11	CO
Lead	Wet Weight	3.57	mg/Kg		10	0.002	Feb 12, 2024 16:11	CO
Molybdenum	Wet Weight	2.53	mg/Kg		10	0.0010	Feb 12, 2024 16:11	CO
Nickel	Wet Weight	20.8	mg/Kg		10	0.004	Feb 12, 2024 16:11	CO
Selenium	Wet Weight	0.971	mg/Kg		10	0.004	Feb 12, 2024 16:11	CO
Zinc	Wet Weight	191	mg/Kg		10	0.02	Feb 12, 2024 16:11	CO
Mercury	Wet Weight	0.042	mg/Kg		10	0.002	Feb 12, 2024 16:11	CO

Approved by:   
Megan Krauskopf  
Project Manager

### Analytical Report

Bill To: A&L Laboratories 3505 Conestoga Drive Ft. Wayne, IN, United States 46808	Project ID: F24032-6509 PAHs, PCBs in Compost	Lot ID: <b>176319</b>
Attn: Accounting Dept	Project Name:	Control Number:
Sampled By:	Project Location:	Date Received: Feb 2, 2024
Company:	LSD:	Date Reported: Feb 12, 2024
	P.O.: F24032-6509	Report Number: 277270
	Proj. Acct. code:	Report Type: Final Report

Reference Number	176319-1	Sample Date						
Sample Description	62947	Sample Matrix	Compost					
Analyte	Result	Units	Qal	DF	Nominal DL	Analysis Start Date/Time	Analyst Initials	
<b>Polychlorinated Biphenyls</b>								
Aroclor 1016	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Aroclor 1221	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Aroclor 1242	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Aroclor 1248	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Aroclor 1254	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Aroclor 1260	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Aroclor 1232	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Total PCBs	Wet Weight	<0.067	mg/Kg	10	0.067	Feb 06, 2024 11:58	SW	
Decachlorobiphenyl	Surrogate % Rec	29	%	1	20.4-129	Feb 06, 2024 11:58	SW	
<b>Semi-Volatiles in Solids</b>								
2,4,6-Tribromophenol	Surrogate % Rec	80.2	%	1	0.3	Feb 10, 2024 14:48	SW	
2-Methylnaphthalene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Acenaphthene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Acenaphthylene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Anthracene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Benzo(a)anthracene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Benzo(a)pyrene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Benzo(b)fluoranthene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Benzo(g,h,i)perylene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Benzo(k)fluoranthene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Chrysene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Dibenzo(a,h)anthracene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Fluoranthene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Fluorene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Indeno(1,2,3-cd)pyrene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Naphthalene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Phenanthrene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
Pyrene	Wet Weight	<0.33	mg/Kg	1	0.33	Feb 10, 2024 14:48	SW	
2-Fluorobiphenyl	Surrogate % Rec	55.9	%	1	0.7	Feb 10, 2024 14:48	SW	
2-Fluorophenol	Surrogate % Rec	83.5	%	1	0.3	Feb 10, 2024 14:48	SW	

Approved by:   
Megan Krauskopf  
Project Manager