

301 East Main Street Lowell, Michigan 49331 Phone (616) 897-8457 Fax (616) 897-4085

CITY OF LOWELL CITY COUNCIL AGENDA SEPTEMBER 6, 2022

- CALL TO ORDER; PLEDGE OF ALLEGIANCE; ROLL CALL
- **CONSENT AGENDA**
 - Approval of the Agenda.
 - Approve and place on file the minutes of the August 15, 2022 regular and closed session meetings.
 - Authorize payment of invoices in the amount of \$1,245,173.08.
- CITIZEN DISCUSSION FOR ITEMS NOT ON THE AGENDA

IF YOU WISH TO ADDRESS AN AGENDA ITEM, PUBLIC COMMENT FOR EACH ITEM WILL OCCUR AFTER THE INITIAL INFORMATION IS SHARED ON THE MATTER AND INITIAL DELIBERATIONS BY THE PUBLIC BODY. PUBLIC COMMENT WILL OCCUR BEFORE A VOTE ON THE AGENDA ITEM OCCURS.

- OLD BUSINESS
 - a. Front Street Property
 - b. 115 Riverside
- 5. NEW BUSINESS
 - a. Gee Drive MDOT Small Urban Contract Resolution 25-22
 - b. Prisoner of War/Missing in Action Recognition Day Resolution 26-22
 - c. Off Premises Tasting Room License
 - d. Michigan Municipal League Annual Meeting Notice
 - e. YMCA Soccer Park Use Agreement
 - Surplus Equipment
- 6. BOARD/COMMISSION REPORTS
- 7. MANAGER'S REPORT

8. APPOINTMENTS

9. COUNCIL COMMENTS

10. CLOSED SESSION

a. MCL 15.268(1)(h) - To consider material exempt from discussion or disclosure by state or federal statute.

11. ADJOURNMENT

NOTE: Any person who wishes to speak on an item included on the printed meeting agenda may do so. Speakers will be recognized by the Chair, at which time they will be allowed five (5) minutes maximum to address the Council. A speaker representing a subdivision association or group will be allowed ten (10) minutes to address the Council.



301 East Main Street Lowell, Michigan 49331 Phone (616) 897-8457 Fax (616) 897-4085 www.ci.lowell.mi.us

MEMORANDUM

TO: Lowell City Council

Michael Burns, City Manager FROM:

Council Agenda for Tuesday, September 6, 2022 RE:

1. CALL TO ORDER; PLEDGE OF ALLEGIANCE; ROLL CALL

2. CONSENT AGENDA

Approval of the Agenda.

- Approve and place on file the minutes of the August 15, 2022 regular and closed session meetings.
- Authorize payment of invoices in the amount of \$1,245,173.08.

3. CITIZEN DISCUSSION FOR ITEMS NOT ON THE AGENDA

IF YOU WISH TO ADDRESS AN AGENDA ITEM, PUBLIC COMMENT FOR EACH ITEM WILL OCCUR AFTER THE INITIAL INFORMATION IS SHARED ON THE MATTER AND INITIAL DELIBERATIONS BY THE PUBLIC BODY. PUBLIC COMMENT WILL OCCUR BEFORE A VOTE ON THE AGENDA ITEM OCCURS.

4. OLD BUSINESS

a. Front Street Property - City Manager Michael Burns provide a memo.

Renee Pewitt from BLDI will review with you and discuss next steps.

b. 115 Riverside - City Manager Michael Burns provided a memo.

Recommendation: There is no recommended motion.

5. NEW BUSINESS

a. Gee Drive MDOT Small Urban Contract - Resolution 25-22 - City Manager Michael Burns provided a memo.

Recommended Motion: That the Lowell City Council adopt Resolution 25-22, approving the MDOT agreement for the Gee Drive resurfacing project, and authorizes Mr. Michael Burns, City Manager, to act as agent on behalf of the City of Lowell to sign the contract documents with MDOT, Contract #22-5395.

b. Prisoner of War/Missing in Action Recognition Day – Resolution 26-22.

Tom Sibley from Vietnam Veterans of America provided a letter.

c. Off Premises Tasting Room License - Resolution 27-22. City Manager Michael Burns provided a memo.

Recommended Motion: That the Lowell City Council approve for Red Barn Antiques to seek and Off-Premises Tasting Room License for 217 W. Main St.

d. <u>Michigan Municipal League Annual Meeting Notice</u>. A letter is provided by Michigan Municipal League.

Recommended Motion: That the Lowell City Council designate one official and one alternate to attend the Convention as the City of Lowell's official representative to cast a vote of the municipality at the Annual Meeting.

e. <u>YMCA Soccer Park Use Agreement</u>. Public Works Director Daniel Czarnecki provided a memo.

Recommended Motion: That the Lowell City Council approve the agreement with the YMCA of Greater Grand Rapids as presented and authorize the Mayor to sign the agreement.

f. Surplus Equipment. Public Works Director Daniel Czarnecki provided a memo.

Recommended Motion: There is no recommended Motion.

- 6. BOARD/COMMISSION REPORTS
- MANAGER'S REPORT
- 8. APPOINTMENTS
- 9. COUNCIL COMMENTS
- 10. CLOSED SESSION
 - a. MCL 15.268(1)(h) To consider material exempt from discussion or disclosure by state or federal statute.
- 11. ADJOURNMENT

CITY OF LOWELL KENT COUNTY, MICHIGAN

RESOLUTION NO. 24-22

RESOLUTION DIRECTING THE NEGOTIATION AND EXECUTION OF A PURCHASE AND DEVELOPMENT AGREEMENT IN CONNECTION WITH THE SALE OF A CITY-OWNED PROPERTY COMMONLY REFERRED TO AS THE LINESHACK PROPERTY TO COPPERROCK CONSTRUCTION

Councilmember <u>SALZWEDEL</u> supported by Councilmember <u>YANKOVICH</u> moved the adoption of the following resolution:

WHEREAS, in accordance with the requirements of Section 13.3 of the City Charter, after advertising twice for bids on the sale of the City-owned property consisting of approximately 0.10 acres with an approximately 1,800 square foot building located at 115 Riverside Drive commonly referred to as the Lineshack Property (the "City Property"), receiving bids, and holding a public hearing where bidders were heard, the City Council adopted Resolution No. 21-22 authorizing the sale; and

WHEREAS, Resolution No. 21-22 has remained on file with the City Clerk for public inspection for at least 20 days since its adoption and now returns in the manner passed; and

WHEREAS, in accordance with Section 13.3 of the City Charter, the City Council has determined to finally approve the sale of the City Property to Copperrock Construction; and

WHEREAS, the sale is subject to certain requirements to be formally agreed to by contract as set forth in the City's request for proposals for purchase and development and as proposed by Copperrock Construction.

NOW, THEREFORE, BE IT RESOLVED:

1. That, subject to the execution of a Purchase and Development Agreement upon terms acceptable to the City Manager and in a form approved by the City Attorney, the City shall

sell and convey the City Property to Copperrock Construction for \$100,000 pursuant to a quit claim deed.

2. That the Mayor and City Clerk are authorized to execute (1) a Purchase and Development Agreement consistent with the City's request for proposals for purchase and development and Copperrock Construction's proposal, (2) a quit claim deed for and on behalf of the City approved as to form by the City Attorney, and (3) other documents necessary to effectuate the transaction.

3. That the City Clerk shall record, or cause to be recorded, the Purchase and Development Agreement and quit claim deed with the Kent County, Michigan, Register of Deeds.

4. That all resolutions or parts of resolutions in conflict herewith shall be and the same are hereby rescinded to the extent of such conflict.

YEAS:	Councilmembers	Chambers and Groves
NAYS:	Mayor	DeVore, Councilmembers Salzwedel and Yankovich
ABSTAIN:	Councilmembers	None
ABSENT:	Councilmembers	None

RESOLUTION DECLARED ADOPTED.

Dated: August 15, 2022

Susan S. Ullery
City Clerk

CERTIFICATION

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City of Lowell at a regular meeting held on August 15, 2022 and that public notice of said meeting was given pursuant to, and in compliance with, Act 267 of the Public Acts of Michigan of 1976, as amended.

Dated: August 15, 2022

Susan S. Ullery City Clerk

CITY COUNCIL CITY OF LOWELL KENT COUNTY, MICHIGAN

RESOLUTION NO. 22 - 22

A RESOLUTION AMENDING AN EXISTING SOCIAL DISTRICT AND COMMONS AREA TO ALLOW CERTAIN ON-PREMISES LIQUOR LICENSEES EXPANDED USE OF SHARED AREAS FOR CONSUMPTION OF ALCOHOL AND APPROVING AND RECOMMENDING MICHIGAN LIQUOR CONTROL COMMISSION CONSIDERATION AND APPROVAL OF LICENSEE FOR SOCIAL DISTRICT PERMIT PURSUANT TO THE MICHIGAN LIQUOR CONTROL CODE

Mayor <u>DEVORE</u> supported by Councilmember <u>SALZWEDEL</u> moved the adoption of the following resolution:

WHEREAS, the Michigan Liquor Control Code, 1998 PA 58, as amended (the "Act"), allows the governing body of a local governmental unit to designate social districts and commons areas which may be used by qualified licensees that obtain a social district permit from the Michigan Liquor Control Commission (MLCC) to utilize the commons areas for the consumption of alcohol; and

WHEREAS, if the governing body of a local governmental unit designates a social district that contains a commons area, the governing body must define and clearly mark the commons area with signs, establish local management and maintenance plans including, but not limited to, hours of operation and submit those plans to the MLCC, and maintain the commons areas in a manner that protects the health and safety of the community; and

WHEREAS, the City Council previously determined that a social district was in the best interest of the citizens of the City of Lowell, and designated a social district and commons area pursuant to the Act; and

WHEREAS, the City Council must approve licensee applications for social district permits prior to such applications being sent to the MLCC for consideration and issuance; and

WHEREAS, Sabor Mexicano, a licensee business located at 109 Riverside Drive, Lowell MI 49331 (the "Applicant Licensee"), has applied for a social district permit; and

WHEREAS, the Applicant Licensee would be eligible for consideration for a social district permit if its premises were within the boundaries of the social district and commons area;

WHEREAS, City Council recognizes that restaurants and bars are key contributors to the vitality of the City of Lowell and welcomes their participation in the benefits of the social district; and

WHEREAS, City Council now desires to expand the boundaries of the social district and common areas such that the premises of the Applicant Licensee will be shared by and contiguous to the designated commons area and in the social district as required by the Act.

NOW, THEREFORE, RESOLVED THAT:

- 1. The City Council hereby designates and amends the social district and commons area as provided on the attached map and authorizes the City Manager or his designee to take all such other actions necessary in order to implement this Resolution and comply with the Act.
- 2. The commons area within the social district shall be maintained as on the attached maps with the City Manager, or designee, authorized to make minor reasonable adjustments to the limits of the commons areas required by regulatory or operational requirements or to safeguard the public health, safety, and welfare.
 - 3. The commons area is contiguous to at least 2 qualified licensees.
 - 4. Signage shall be placed to define and clearly mark the limits of the commons areas.
- 5. The social district shall exclude premises authorized by the MLCC under a special license during the effective period of the special license.
- 6. The commons area shall be maintained in a manner that protects the health and safety of the community.
- 7. The licensed premises of the aforementioned Applicant Licensee is shared by and contiguous to the commons area as now designated by this City Council pursuant to MCL 436.1551.
- 8. The City Council hereby finds that the application for a social district permit from the Applicant Licensee set forth on the attachment hereto is recommended by this body for approval by the MLCC.
- 9. The City Clerk is authorized and directed to forward this Resolution and the attached map and management and maintenance plan to the MLCC as required by the Act.
 - 10. All resolutions and parts of resolutions in conflict herewith are rescinded.

YEAS: Councilmembers Salzwedel, Yankovich, Chambers, Groves and Mayor

DeVore

NAY: Councilmembers None

ABSTAIN: Councilmembers None

ABSENT: Councilmembers None

RESOLUTION DECLARED ADOPTED

Dated: August 15, 2022

Susan Ullery City Clerk

Susan Ullery City Clerk

CERTIFICATION

I, the undersigned duly qualified and acting Clerk of the City of Lowell (the "City"), do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council of the City at a regular meeting held on August 15, 2022, and that public notice of said meeting was given pursuant to Act 267 of the Public Acts of Michigan of 1976, as amended.

Dated: August 15 2022

4884-7641-2205 v1 [60857-994]

CITY COUNCIL CITY OF LOWELL KENT COUNTY, MICHIGAN

RESOLUTION NO: 23-22

RESOLUTION PROCLAIMING THURSDAY, SEPTEMBER 1, 2022 AS PINK ARROW PRIDE DAY - ARROW FORCE XV IN THE CITY OF LOWELL

Mayor <u>DEVORE</u> supported by Councilmember <u>YANKOVICH</u> moved the adoption of the following resolution:

WHEREAS, many have been afflicted and battling cancer and breast cancer in particular; and

WHEREAS, the Lowell High School football team, volleyball team, and soccer team, will once again compete against this disease with each player wearing pink for games on Thursday, September 1, 2022; and

WHEREAS, the Lowell community is encouraged to buy and wear Pink Arrow Force XV t-shirts to support Gilda's Club of Lowell, Lowell Community Wellness for Pink Arrow Family Support, the Dr. Don Gerard Medical Scholarship and the Kathy Talus Scholarship.

NOW, THEREFORE, BE IT RESOLVED, that the Lowell City Council recognize Thursday,

September 1, 2022 as 'Pink Arrow Pride Day Arrow Force XV and further to encourage all Lowell Community residents to participate in this event by purchasing pink T-shirts and attending the game.

YEAS:	Councilmembers	Groves, Mayo	or DeVore, Councilmembers Salzwedel, Yankovich and Chambers
NAYS:	Councilmembers	None	
ABSTAIN:	Councilmembers	None	
ABSENT:	Councilmembers	None	
RESOLUTIO	ON DECLAREI	ADOPTED.	0
Dated: August	15, 2022	(J	Susan Ullery, City Clerk

CERTIFICATION

I, the undersigned duly qualified and acting Clerk of the City of Lowell, Kent County, Michigan, do hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council at a regular meeting held on August 15, 2022, the original of which is on file in my office and public notice of said meeting was given pursuant to and in compliance with Act 267 of the Public Acts of Michigan of 1976, as amended.

IN WITNESS WHEREOF, I have affixed my official signature the 15th day of August, 2022.

Susan Ullery, City Clerk

CITY OF LOWELL KENT COUNTY, MICHIGAN

ORDINANCE NO. <u>22-04</u>

AN ORDINANCE TO AMEND SECTION 3.02, "DISTRICT BOUNDARIES," OF CHAPTER 3, "ZONING DISTRICTS - GENERAL," OF APPENDIX A, "ZONING," OF THE CODE OF ORDINANCES OF THE CITY OF LOWELL

Councilmember <u>YANKOVICH</u> supported by Councilmember <u>SALZWEDEL</u> moved the adoption of the following ordinance:

THE CITY OF LOWELL ORDAINS:

Section 1. Amendment to Section 3.02 of Chapter 3. Section 3.02, "District boundaries," of Chapter 3, "Zoning Districts - General," of Appendix A, "Zoning," of the Code of Ordinances of the City of Lowell is amended to amend the zone district classification of real property located at 815 W. Main Street, Permanent Parcel No. 41-20-02-352-009, 807 W. Main Street, Permanent Parcel No. 41-20-02-352-022, and 803 W. Main Street, Permanent Parcel No. 41-20-02-352-023 to C-1-Neighborhood Business.

Section 2. Publication. After its adoption, the City Clerk shall publish this ordinance or a summary thereof, as permitted by law, along with its date of adoption in the Lowell Ledger, a newspaper of general circulation in the City, at least ten (10) days before its effective date.

Section 3. Effective Date. This ordinance shall take effect ten (10) days after it, or a summary thereof, as permitted by law, along with the date of its adoption, is published in

Lowell Ledger, a newspaper of general circulation in the City.

the

YEAS:	Councilmembers	Mayor DeVore, Councilmembers Salzwedel, Yankovich,
	Chambers and Grov	res
NAYS:	Councilmembers	None
ABSTAIN:	Councilmembers	None
ABSENT:	Councilmembers	None

ORDINANCE DECLARED ADOPTED.

Dated: August 15, 2022

Susan Ullery City Clerk

CERTIFICATION

I, the undersigned City Clerk of the City of Lowell, Michigan (the "City"), certify that the above ordinance is a true and complete copy of an ordinance adopted at a regular meeting of the Lowell City Council held on <u>August 15, 2022</u> pursuant to notice given in compliance with Act 267 of the Public Acts of Michigan of 1976, as amended, and notice of its adoption, including a summary of its contents and its effective date, was published in the Buyers Guide, on August 21, 2022. I further certify that the above ordinance was entered into the Ordinance Book of the City on <u>August 31</u>, 2022 and was effective <u>August 31</u>, 2022 ten (10) days after publication.

Dated: August 15, 2022

Susan Ullery City Clerk

User: SUEU

DB: Lowell

09/01/2022 01:38 PM INVOICE APPROVAL BY INVOICE REPORT FOR CITY OF LOWELL

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EXP CHECK RUN DATES 08/13/2022 - 09/01/2022

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID - CHECK TYPE: PAPER CHECK

	Vendor Name	Description	Amount
.513	ADDORIO TECHNOL		
	387	CITY HALL COMPUTER SERVICES	464.26
-	392	DPW COMPUTER SERVICES	121.02 595.00
9	394	LPD COMPUTER SERVICES	
TAL FOR: ADD	ORIO TECHNOLOGIES	E, LLC	1,180.28
	ADT SECURITY SY		133.53
	71 11/00	WTP MONITORING	133.53
TAL FOR: ADT	SECURITY SYSTEMS		
816	AMAZON CAPITAL		32.22
	.1VK-HTHD-TMT9 .9Q1-KYRV-3D97	PARKS WASP/HORNET SPRAY	642.24
1	.9Q1-KYRV-3D9/ .CHJ-49XG-3JHJ	WTD SUDDITES	29.98
	NP1-C6JN-1PGH		34.90
1	QC4-HVPF-WNX3	WATER & DPW SIUPPLIES	32.66
	ZON CAPITAL SERVI		772.00
318	AT&T MOBILITY		961.01
	3/6/2022	FIRST NET PHONE BILL	
TAL FOR: AT&	T MOBILITY		961.01
045	BARTLETT, SANDY	METER READS & MILEAGE	772.40
		METER READS & MILEAGE	772.40
TAL FOR: BAR	TLETT, SANDY		
509	CONSUMERS ENERG	Y	1,100.51
		ACCOUNT STATEMENT ACCOUNT STATEMENTS	220.53
	SUMERS ENERGY		1,321.04
FUND TAX	corelogic centr	alized refunds	
C	8/26/2022	2022 Sum Tax Refund 41-20-03-408-003	791.28
TAL FOR: cor	celogic centraliza	ed refunds	791.28
126	CRYSTAL FLASH	ATDRONE DEC CAS	1,508.49
	3509750	AIRPORT REC GAS	1,508.49
TAL FOR: CRY			. —
978 8	ENGINEERED PROT	ECTION SYSTEMS REFUND ELECTRIC PERMIT YMCA	400.00
	GINEERED PROTECTION	ON SYSTEMS	400.00
976	GATOR MOWING LI	LC	100.00
	1099	MOWING AT 523 ELM	100.00
TAL FOR: GAT	OR MOWING LLC		100.00
	GRAND RAPIDS CO	OMMUNITY COLLEGE TAX DISBURSEMENT	51,447.18
	AND RAPIDS COMMUN		51,447.18
285	GREAT LAKES PAV		
	9348	WASHINGTON ST	900.00
g	9358	OVERLAY KING & NORTH AT MONROE	5,015.00
TAL FOR: GRE	EAT LAKES PAVING		5,915.00
	GREAT LAKES UPI		95.00
3	3458	LPD RCEIPT PAPER ROLLS	
AL FOR: GRE	EAT LAKES UPFITTI	NG	95.00

User: SUEU

DB: Lowell

09/01/2022 01:38 PM INVOICE APPROVAL BY INVOICE REPORT FOR CITY OF LOWELL Page: 2/3

EXP CHECK RUN DATES 08/13/2022 - 09/01/2022

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID - CHECK TYPE: PAPER CHECK

JIIGOT GOGG	Vendor Name Invoice	Description	Amount
300	KENT COUNTY TR 8/1 - 8/15/2022 8/19/2022	EASURER TAX DISBURSEMENT TRAILER FEES JULY & AUGUST	492,207.20 547.50
TAL FOR:	KENT COUNTY TREASU	RER	492,754.70
302	KENT INTERMEDI 8/1 - 8/15/2022	TATE SCHOOL DIST. TAX DISBURSEMENT	291,433.41
TAL FOR:	KENT INTERMEDIATE	SCHOOL DIST.	291,433.41
209		BLE, INC. PORTABLE RESTROOM CEMETERY PORTABLE RESTROOM DDA	150.00 500.00
TAL FOR:	KERKSTRA PORTABLE,	INC.	650.00
374	LOWELL AREA HI 8/1 - 8/15/2022	STORICAL MUSEUM TAX DISBURSEMENT	7,088.60
TAL FOR:	LOWELL AREA HISTOR	ICAL MUSEUM	7,088.60
562	LOWELL AREA SC 8/1 - 8/15/2022	CHOOLS TAX DISBURSEMENT	354,228.04
TAL FOR:	LOWELL AREA SCHOOLS	5	354,228.04
341	LOWELL LIGHT & 3631	POWER COMCAST/SPECTROTEL/GTT	1,935.50
TAL FOR:	LOWELL LIGHT & POWE	ER	1,935.50
311	MI ASSOC OF MA 8/16/2022	YORS 2022 MEMBERSHIP - DEVORE	85.00
TAL FOR:	MI ASSOC OF MAYORS		85.00
114	MICHIGAN MUNIC 24976	IPAL LEAGUE CLASSIFIED AD - DEPUTY TREASURER	55.44
TAL FOR:	MICHIGAN MUNICIPAL	LEAGUE	55.44
134	MICHIGAN RURAL 2020-05143	WATER ASSOC. LEAK DETECTION & LINE LOCATING - BRECKEN	155.00
TAL FOR: I	MICHIGAN RURAL WATE	ER ASSOC.	155.00
356	NELSON, ERIC 8/22/2022	AIRPORT SUPPLIES	60.18
CAL FOR:	NELSON, ERIC		60.18
357	NORTHERN PUMP	& WELL INC. ANNUAL INSPECTION	1,000.00
TAL FOR:	NORTHERN PUMP & WEI	LL INC.	1,000.00
020	OTIS ELEVATOR CVG19335001	CORPORATION ELEVATOR SERVICE CALL	997.50
TAL FOR:	OTIS ELEVATOR CORPO		997.50
FUND TAX	PFCU CREDIT UN	IION 2022 Sum Tax Refund 41-20-02-381-014	1,306.99
AL FOR:	PFCU CREDIT UNION		1,306.99
398	POINT BROADBAN 5267-20220817-1	ID INTERNET SERVICES	319.99
TAI FOD.	POINT BROADBAND		319.99

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TOTAL - ALL VENDORS

User: SUEU

DB: Lowell

INVOICE APPROVAL BY INVOICE REPORT FOR CITY OF LOWELL

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1,245,173.08

EXP CHECK RUN DATES 08/13/2022 - 09/01/2022

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID - CHECK TYPE: PAPER CHECK

Vendor Name Vendor Code Amount Description Invoice POSTMASTER 00506 518.73 08312022 MAILING W/S BILLS 518.73 TOTAL FOR: POSTMASTER PURCHASE POWER 10972 69.85 8/10/2022 POSTAGE METER 69.85 TOTAL FOR: PURCHASE POWER RAY'S WELDING 10977 3,600.00 WELING FOR GEE DR RESERVOIR 8/15/2022 3.600.00 TOTAL FOR: RAY'S WELDING SKYLINE ELECTRIC, INC 10662 595.00 REC PARK BASEBALL FIELD LIGHTS 1747 395.00 STONEY LAKESIDE PARK BATHROOM 1756 990.00 TOTAL FOR: SKYLINE ELECTRIC, INC SMART BUSINESS SOURCE 10849 251.41 OFFICE SUPPLIES OE-54466 251.41 TOTAL FOR: SMART BUSINESS SOURCE WILLIAMS & WORKS INC. 00692 294669 2022 STREET IMP (FAITH, ROB JAYNE, HEFFRON & VV) 4,274.28 726.50 STREET ASSET MGMT STUDY 94452 71.50 94541 GENERAL CONSULTING 264.55 MONROE ST RESURFACE W/S 94550 2,964.36 WASHINGTON RESURFACE W/S 94551 3,545.00 ENGINEERING CONSULTING 94563 741.40 PARKS & REC PLAN 94578 2022 STREET IMPRV (FAITH, ROB JAYNE, HEFFRON & VV) 2,989.52 94585 1,779.00 GEE DR MILL & FILL 94587 1,037.50 GEE DR MILL & FILL 94671 1,042.00 LOWELL PLANING 94717 1,560.37 PARK & REC PLAN UPDATE 94728 1,190.54 MONROE ST RESURFACE WATER/SEWER 94754 22,186.52 TOTAL FOR: WILLIAMS & WORKS INC. WOLF KUBOTA 10567 89.01 SPK BLADE MULCH - CEMETERY BYR-1024245 89.01 TOTAL FOR: WOLF KUBOTA

DB: Lowell

09/01/2022 01:42 PM INVOICE GL DISTRIBUTION REPORT FOR CITY OF LOWELL EXP CHECK RUN DATES 08/13/2022 - 09/01/2022

BOTH JOURNALIZED AND UNJOURNALIZED BOTH OPEN AND PAID

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GL Number	Invoice Line Desc	BOTH OPEN AND PA	ID Invoice Description	Amount	Check #
Fund 101 GENERA	AL FUND				
Dept 000) ACCOUNTS RECEIVABLE	GATOR MOWING LLC	MOWING AT 523 ELM	100.00	77534
	DUE FROM FIRE AUTHORITY	POINT BROADBAND	INTERNET SERVICES	29.49	77552
	DUE FROM LIGHT & POWER	POINT BROADBAND	INTERNET SERVICES	60.46	77552
	DUE TO COUNTY-TRAILER FEE	KENT COUNTY TREASURER	TRAILER FEES JULY & AUGU	121.50	77539
	DUE TO SET -TRAILER FEES	KENT COUNTY TREASURER	TRAILER FEES JULY & AUGU	426.00	77539
101 000 210.000		Total For Dept 000		737.45	
Dept 101 COUNC	IL	NT POGOG OF MAYORG	2022 MEMBERSHIP - DEVORE	85.00	77545
	MISCELLANEOUS EXPENSE	MI ASSOC OF MAYORS	FIRST NET PHONE BILL	36.24	77528
101-101-955.000) MISCELLANEOUS EXPENSE	AT&T MOBILITY	FIRST NET THORE STEE		
		Total For Dept 101 COUNCI		121.24	
Dept 172 MANAG 101-172-850.000	ER COMMUNICATIONS	AT&T MOBILITY	FIRST NET PHONE BILL	45.19	77528
		Total For Dept 172 MANAGE		45.19	
Dept 215 CLERK 101-215-850.000) COMMUNICATIONS	AT&T MOBILITY	FIRST NET PHONE BILL	45.19	77528
		Total For Dept 215 CLERK		45.19	
Dept 253 TREAS	URER) MISCELLANEOUS EXPENSE	MICHIGAN MUNICIPAL LEAGUE	CLASSIFIED AD - DEPUTY TR	55.44	77546
		Total For Dept 253 TREASU		55.44	
Dept 265 CITY	HALL	SMART BUSINESS SOURCE	OFFICE SUPPLIES	31.18	77555
	O OFFICE SUPPLIES	PURCHASE POWER	POSTAGE METER	69.85	77553
101-265-730.000	O POSTAGE O OPERATING SUPPLIES	SMART BUSINESS SOURCE	OFFICE SUPPLIES	47.90	77555
	O OPERATING SUPPLIES	SMART BUSINESS SOURCE	OFFICE SUPPLIES	86.16	77555
	COMMUNICATIONS	POINT BROADBAND	INTERNET SERVICES	44.99	77552
	COMMUNICATIONS	LOWELL LIGHT & POWER	COMCAST/SPECTROTEL/GTT	904.55	77544
	O PUBLIC UTILITIES	CONSUMERS ENERGY	ACCOUNT STATEMENT	1,100.51	77530
	O REPAIR & MAINTENANCE	OTIS ELEVATOR CORPORATION	ELEVATOR SERVICE CALL	997.50	77550
101 200 10000		Total For Dept 265 CITY H		3,282.64	
Dept 276 CEMET			SPK BLADE MULCH - CEMETER	89.01	77559
	O OPERATING SUPPLIES	WOLF KUBOTA	PORTABLE RESTROOM CEMETER	150.00	77541
101-276-802.000	O CONTRACTUAL	KERKSTRA PORTABLE, INC.	FORTABLE RESTROOM CEMETER		
		Total For Dept 276 CEMETE		239.01	
Dept 301 POLIC	E DEPARTMENT O COMMUNICATIONS	POINT BROADBAND	INTERNET SERVICES	44.98	77552
	O COMMUNICATIONS	AT&T MOBILITY	FIRST NET PHONE BILL	506.51	77528
	O COMMUNICATIONS	LOWELL LIGHT & POWER	COMCAST/SPECTROTEL/GTT	457.67	77544
	O COMPUTER EQUIPMENT	GREAT LAKES UPFITTING	LPD RCEIPT PAPER ROLLS	95.00	77537
		Total For Dept 301 POLICE		1,104.16	
Dept 400 PLANN	ING & ZONING	WILLIAMS C MODES INC	LOWELL PLANING	64.00	77556
	O SITE PLAN REVIEW RETAINER	WILLIAMS & WORKS INC.	LOWELL PLANING	499.85	77556
	O PROFESSIONAL SERVICES	WILLIAMS & WORKS INC.	GENERAL CONSULTING	71.50	77556
	O PROFESSIONAL SERVICES	WILLIAMS & WORKS INC.	ENGINEERING CONSULTING	915.00	77556
	0 PROFESSIONAL SERVICES 0 PROFESSIONAL SERVICES	WILLIAMS & WORKS INC.	ENGINEERING CONSULTING	1,226.00	77556
	O PROFESSIONAL SERVICES O PROFESSIONAL SERVICES	WILLIAMS & WORKS INC.	ENGINEERING CONSULTING	765.00	77556
	0 PROFESSIONAL SERVICES	WILLIAMS & WORKS INC.	ENGINEERING CONSULTING	639.00	77556
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	0 PROFESSIONAL SERVICES	WILLIAMS & WORKS INC.	LOWELL PLANING	192.00	77556
101 100 001.00		Total For Dept 400 PLANNI		4,658.50	
	TMENT OF PUBLIC WORKS		MAMED C DDM CTHDDITEC	16.33	77527
	O OPERATING SUPPLIES	AMAZON CAPITAL SERVICES	WATER & DPW SIUPPLIES INTERNET SERVICES	29.49	77552
101-441-850.00	0 COMMUNICATIONS	POINT BROADBAND	TMIDIMET SERVICES		

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	ARTMENT OF PUBLIC WORKS	AT&T MOBILITY	FIRST NET PHONE BILL	88.46	77528
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	000 OPERATING SUPPLIES 000 CONTRACTUAL	WILLIAMS & WORKS INC.	PARK & REC PLAN UPDATE	1,560.37	77556
	000 CONTRACTUAL	WILLIAMS & WORKS INC.	PARKS & REC PLAN	741.40	77556
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	000 REPAIR & MAINTENANCE	SKYLINE ELECTRIC, INC	REC PARK BASEBALL FIELD L	595.00	77554
		Total For Dept 751 PARKS		3,362.23	
Dept 790 LIBE			APPEAR GUPPLIEG	86.17	77555
	000 OPERATING SUPPLIES	SMART BUSINESS SOURCE	OFFICE SUPPLIES	251.08	77544
101-790-850.0	000 COMMUNICATIONS	LOWELL LIGHT & POWER	COMCAST/SPECTROTEL/GTT		77544
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	000 PROPERTY TAX DISTRIBUTION	LOWELL AREA HISTORICAL MU	TAX DISBURSEMENT	7,088.60	77542
		Total For Dept 804 MUSEUM	I	7,088.60	
		Total For Fund 101 GENERA		21,271.25	
	OR STREET FUND				
Dept 450 CAPI 202-450-970.0	100 CAPITAL OUTLAY	WILLIAMS & WORKS INC	MONROE ST RESURFACE WATER	396.85	77556
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202-450-970.0	000 CAPITAL OUTLAY	WILLIAMS & WORKS INC.	GEE DR MILL & FILL	1,779.00	77556
	000 CAPITAL OUTLAY	WILLIAMS & WORKS INC.	WASHINGTON RESURFACE W/S	2,964.36	77556
		Total For Dept 450 CAPITA	i.	6,265.90	
Dept 463 MAIN 202-463-802.0	NTENANCE 000 CONTRACTUAL	GREAT LAKES PAVING	OVERLAY KING & NORTH AT	2,345.00	77536
		Total For Dept 463 MAINTE		2,345.00	
Dept 483 ADMI	INISTRATION 100 PROFESSIONAL SERVICES	WILLIAMS & WORKS INC.	STREET ASSET MGMT STUDY	363.25	77556
		Total For Dept 483 ADMINI		363.25	
		-		8,974.15	
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203-463-802.0	000 CONTRACTUAL	GREAT LAKES PAVING	OVERLAY KING & NORTH AT	2,670.00	77536
		Total For Dept 463 MAINTE		2,670.00	
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		Total For Fund 203 LOCAL		10,297.05	
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Dept 463 MAIN 248-463-880.0	NTENANCE 000 COMMUNITY PROMOTION	KERKSTRA PORTABLE, INC.	PORTABLE RESTROOM DDA	500.00	77541
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Fund 581 AIRPORT FUND Dept 000			1,508.49	77532
81-000-740.000 OPERATING SUPPLIES	CRYSTAL FLASH	AIRPORT REC GAS	40.26	77548
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581-000-920.000 PUBLIC UTILITIES	CONSUMERS ENERGY	ACCOUNT STATEMENTS	23.88	77530
581-000-920.000 PUBLIC UTILITIES	CONSUMERS ENERGY CONSUMERS ENERGY	ACCOUNT STATEMENTS	131.80	77530
581-000-920.000 PUBLIC UTILITIES	CONSUMERS ENERGY	ACCOUNT STATEMENTS	29.51	77530
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Fund 590 WASTEWATER FUND				
Dept 000 590-000-043.000 DUE FROM EARTH TECH	POINT BROADBAND	INTERNET SERVICES	29.49	77552
590-000-043.000 DUE FROM EARTH TECH	LOWELL LIGHT & POWER	COMCAST/SPECTROTEL/GTT	88.75	7754
	Total For Dept 000		118.24	
Dept 551 COLLECTION	AT&T MOBILITY	FIRST NET PHONE BILL	81.47	7752
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	GREAT LAKES PAVING	WASHINGTON ST	900.00	7753
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990-551-970.000 CAPITAL OUTLAY	WILLIAMS & WORKS INC.	MONROE ST RESURFACE W/S	88.18	7755
750 331 770.000 0	Total For Dept 551 COLLEC		1,543.99	
Dept 552 CUSTOMER ACCOUNTS	BARTLETT, SANDY	METER READS & MILEAGE	353.37	7752
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Dept 570 TREATMENT	AMAZON CAPITAL SERVICES	WTP SUPPLIES	29.98	7752
591-570-802.000 CONTRACTUAL	NORTHERN PUMP & WELL INC	. ANNUAL INSPECTION	1,000.00	7754
591-570-802.000 CONTRACTUAL	ADT SECURITY SYSTEMS, IN	C WTP MONITORING	133.53	7752
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Fund Totals:

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LOWELL CITY COUNCIL





DATE: September 1, 2022

TO: Mayor DeVore and Lowell City Council

FROM: Michael T. Burns, City Manager M

RE: Front Street Property

The City has received the findings from the Phase II soil borings along the property owned on Front Street (aka Moose Property).

I have attached the report which Renee Pewitt from BLDI will review with you and discuss next steps.



Phase II Environmental Site Assessment

For the Subject Property Located at:

504 Front Street SE City of Lowell, Michigan

Prepared For:

City of Lowell 301 East Main Street Lowell, Michigan 49331

August 2022

BLDI Project No.: 225382.02

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Table 1 Summary of Analytical Results for Subsurface Soil Sampling – Residential Table 2Summary of Analytical Results for Soil Sampling – Non-Residential			
APPENDICES			
Appendix A			

1.0 EXECUTIVE SUMMARY

BLDI conducted Phase II Environmental Site Assessment (ESA) investigative activities at the subject property located at 504 Front Street SE, City of Lowell, Kent County, Michigan (the subject property), on June 24 and June 27, 2022.

The objective of this Phase II ESA was to investigate and conduct soil sampling to characterize the soil within a soil pile containing old City of Lowell Street sweeping dirt.

Based on the laboratory analytical results from the June 2022 Phase II ESA investigative activities, the following has been determined:

- Soil impact was identified at the subject property at concentrations exceeding applicable Part 201 generic residential cleanup criterion and screening levels (GRCC)
- The subject property does meet the Part 201 definition of a "facility".

2.0 Introduction and Background

2.1 SUBJECT PROPERTY LAND USE AND PHYSICAL FEATURES

The subject property is located at 504 Front Street SE in the City of Lowell, Kent County, Michigan. The subject property consists of one parcel of land (41-20-02-440-003) totaling 19.38 acres, located on the south side of Washington Street (see Figures 1 and 2 for Subject Property Location and Layout).

The subject property is currently wooded, vacant land but formerly utilized by the City of Lowell for storing their city street sweepings. According to Mike Burns, City of Lowell City Manager, the street sweepings were placed in this pile through the early 1990's.

There are no structures present on the subject property.

2.2 PUBLISHED INFORMATION ON SOIL AND GROUNDWATER CONDITIONS

Soils on the subject property are identified by the USDA Natural Resources Conservation Service as loam and sand.

The nearest body of surface water is the Grand River located adjoining to the south of the subject property. The Grand River is approximately 110 feet away from the soil pile boundaries. Based on the information obtained from a review of the area topography and local surface water features, general groundwater flow is likely to the south and discharges to the Grand River.

¹ "Facility" is defined in Part 201 of Michigan's Natural Resources and Environmental Protection Act (NREPA) Michigan of Department of Environmental Quality (MDEQ) 324.20101 Definitions Sec. 20101 (1)(s) as "any area, place, or property where a hazardous substance in excess of the concentrations that satisfy the cleanup criteria for unrestricted residential use has been released, deposited, disposed of, or otherwise comes to be located,"

According to GeoWebFace, the uppermost bedrock beneath the subject property is identified as the Mississippian age Bayport Limestone Formation. This formation consists of units of sandy yellow limestone, cross-bedded white sandstone, and dolomite that were deposited in a marine environment.

According to GeoWebFace, the surficial geology within the area of the subject property consists of deposits of glacial outwash sand and gravel and post glacial alluvium. This well to poorly sorted glacial debris is typically pale brown or pale reddish brown, fine to coarse grained sand alternating with layers of small gravel to heavy cobbles that occurs as fluvial terraces along present and abandoned drainageways, as fans and sheets flanking end moraines, and as deltas along glacial lake margins. This deposit includes narrow belts of Holocene alluvium inset below outwash terraces along present streams. The thickness is highly variable locally and ranges from less than three feet up to sixty feet

3.0 PHASE II ESA ACTIVITIES AND RATIONALE

3.1 SCOPE OF INVESTIGATION

The Phase II ESA scope of work was developed with consideration of current and historic use of the subject property and adjoining/nearby properties and known local geologic and hydrogeologic conditions.

The Phase II ESA scope of work included the following investigative activities:

- 1. Collection and submittal of twenty-one soil samples for laboratory analysis
- 2. The samples were selected for laboratory analysis of petroleum products and Michigan 10 metals due to the soil pile containing street sweepings (i.e., roadway dirt with residual oils)

The number of samples collected is based on the volume of the soil pile as outlined in the Department of Environment Great Lakes and Energy, formerly Department of Environmental Quality Statistical Sampling Strategies and Statistics Training Materials (S3TM) for Part 201 Cleanup Criteria (2002). The samples were collected in random locations at different depth intervals throughout the soil pile².

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² Because this is a soil pile, the soil under consideration is assumed to represent a single, homogenous population. Based on this, the sampling strategy utilized was "Simple RANDOM sampling" with a vertical component.

3.2 FIELD METHODS

3.2.1 Soil

BLDI advanced twenty-one soil borings at the subject property using hand-auger techniques outlined in ASTM publication D4700 "Standard Guide for Soil Sampling from the Vadose Zone".

The soil was assessed using visual, olfactory, and electronic methods (Minirae 3000 (10.6eV lamp) photoionization detector (PID)). The soil horizon most indicative of impact using field screening methods was selected for laboratory analysis. If no positive indications of impact were identified throughout the soil boring, a random soil horizon was selected to ensure the entire soil pile was being characterized according to the S3TM. Observations were recorded in the field at each boring location on a soil sample data sheet (see Appendix A). Soil samples were collected following procedures outlined in ASTM publication D4700 "Standard Guide for Soil Sampling from the Vadose Zone". Please refer to Figure 3 for the soil boring locations.

3.2.2 Groundwater

As this investigation focused on a non-native soil pile that was placed in its location, groundwater was not encountered during this Phase II ESA; therefore, no groundwater assessment was conducted as part of this Phase II ESA investigation.

3.3 LABORATORY METHODS

Please refer to the laboratory analytical report in Appendix B for information regarding the laboratory analytical methods utilized for the analysis of samples collected during this Phase II ESA.

3.4 QUALITY ASSURANCE AND QUALITY CONTROL

To ensure the accuracy of data collected during on-site activities, BLDI implemented quality assurance/quality control measures, including but not limited to decontamination & calibration of field equipment, documentation of field investigative activities and sample preservation techniques, according to the USEPA Publication SW-846.

Laboratory analysis was performed in accordance with National Environmental Laboratory Accreditation Conference (NELAC) standards. Any exceptions to NELAC compliance are noted in the analytical report provided in Appendix B.

4.0 FIELD OBSERVATIONS

Sand was encountered throughout the entire soil pile. Details and observations of the soil borings made during the field investigative activities are provided in Appendix A on the

soil sample data sheet. As shown on the sample data sheet, no odors, staining, or electronic (PID) evidence of contamination was observed within the borings that were conducted within the soil pile.

All the soil samples collected at the subject property were stored as recommended by the laboratory under chain of custody, until they were submitted to Fibertec Environmental Services (Holt, MI) for analysis.

5.0 ANALYTICAL LABORATORY RESULTS AND EVALUATION

Under the provisions of Part 201 of Michigan's Natural Resources and Environmental Protection Act (NREPA) the Michigan Department of Environment, Great Lakes, and Energy (EGLE) established cleanup criteria for soil and groundwater. The Part 201 Cleanup Criteria Requirements for Response Activity (Part 201 GRCC) are provided in the Part 201 rules³ which became effective in 2018. The Part 201 GRCC are applied as follows:

- The analytical results of the soil samples analyzed for target VOCs, PNAs and/or Michigan 10 Metals were compared to Part 201 GRCC.
- The analytical results of the soil samples analyzed for the presence of metals may also be assessed relative to the Michigan Background Soil Survey (July 2005, updated 2015) as provided in Part 201 and Part 213 GRCC.

A summary of the analytical results of the soil samples collected from the subject property during this Phase II ESA investigation are presented in Tables 1 and discussed below. Analytical reports are provided in Appendix B.

5.1 SOIL RESULTS

• Also shown in Table 1, select target VOCs, PNAs, and metals were detected at concentrations above laboratory method reporting limits in the soil samples collected during this investigation. Of these detected, arsenic, chromium (total), and mercury (total) were detected at concentrations exceeding their applicable Part 201 Generic Residential Cleanup Criteria and Screening Levels (GRCC).

5.2 CONCLUSIONS

The following conclusions can be made based on the data collected during the Phase II investigation at the subject property:

 Arsenic, chromium (total), and mercury (total) were detected at concentrations exceeding their applicable Part 201 Generic Residential Cleanup Criteria and Screening Levels (GRCC).

³ Applicable Part 201 Rules: R299.44, R299.46, R299.48, R299.49.

Based on the results of this Phase II ESA investigation, the subject property does meet the Part 201 definition of a "facility" as defined under Part 201 of NREPA (MCL324.20101(1)(s)).

5.3 DUE CARE OBLIGATIONS SUMMARY

Based on the characteristics (i.e., no structures present, not occupied) and current non-residential use of the Property, the <u>Nonresidential</u> Cleanup Criteria Requirements for Response Activity (GNRCC) developed by EGLE are the applicable and appropriate requirements for comparison to the target analytes detected at the Property when considering due care (i.e., managing the identified contamination) obligations.

As shown on Table 2, arsenic and chromium were detected above the drinking water criteria for the GNRCC. Because there are currently no drinking water wells on-site, this pathway is not relevant at the subject property.

Also shown on Table 2, arsenic and chromium were detected above the groundwater surface water interface (GSI) criteria for the GNRCC. The area of concern (i.e., the soil pile) is approximately 110 feet north of the Grand River. However, the Grand River is not utilized as a source of drinking water within the area of the subject property; therefore, any runoff from the soil pile would not impact human health. Nonetheless, additional evaluation may be warranted to confirm that impacts from the soil pile are not present in soils or groundwater closer to the river.

If the use or configuration of the Property is altered, a new exposure pathway evaluation is necessary to determine if any response activities and/or corrective actions are necessary to comply with due care obligations on behalf of the O/O. Additionally, precautions should be in place to confirm that any soils removed from the soil pile are properly managed and not transported to unimpacted off-site locations.

To properly document the above information, a Documentation of Due Care Compliance report is recommended.

6.0 RELIANCE

The findings and conclusions of this Phase II ESA may be relied upon by City of Lowell, Michigan. Reliance upon this report by any other parties is unauthorized unless written permission is obtained from City of Lowell and BLDI.

7.0 LIMITATIONS AND EXCLUSIONS

This Phase II ESA was performed to investigate the soil pile located on the subject property provide information relevant to identifying, defining, and evaluating property conditions associated with target analytes that may pose risk to human health or the environment, or risk of bodily injury to persons on the property. As stated in the report

the S3TM was followed to ensure adequate characterization of the soil pile. As is the case with any investigation of limited scope, site conditions may vary from those observed and witnessed on the date(s) of the Phase II ESA investigation. The possibility of the discovery of the presence of hazardous substances that are not anticipated and/or were neither witnessed nor identified during the Phase II ESA investigation cannot be completely eliminated. BLDI cannot offer any form of warranty and/or guarantee that the subject property does not contain hazardous substances and/or conditions per the results of performing the Phase II ESA investigation. This report has been prepared exclusively for use by the addressee and subject to the terms and conditions of the Standard BLDI Professional Services Agreement.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

Prepared by: Julia P. Behler

Project Scientist

Reviewed by: Renee L. Pewitt, EP

Project Manager

9.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

Renée Pewitt holds a Bachelor of Science degree in Biology and Earth Science from Central Michigan University. Ms. Pewitt has a history of working with the environment and ensuring proper environmental practices. She has performed various sampling techniques in soil as well as surface water and groundwater systems. Ms. Pewitt has conducted and prepared reports for Phase I and Phase II Environmental Site Assessments, Baseline Environmental Assessments and Section 7a Due Care Plans. Ms. Pewitt has also conducted investigations at leaking underground storage tank (LUST) sites. She has received training in the ASTM Environmental Due Diligence Proc. and has completed the OSHA 40-hour HAZWOPER training course, annual 8-hour HAZWOPER refresher courses and is a licensed Asbestos Building Inspector. Based on her education, experience and training, Ms. Pewitt meets the criteria for an Environmental Professional (EP) set forth in USEPA's "all appropriate inquiry rule."

Julia Behler holds a Bachelor of Science degree in Geology from Grand Valley State University. She has received training and has performed a variety of sampling techniques in soil as well as groundwater systems. Additionally, Ms. Behler has received training in the ASTM Phase I Environmental Site Assessment training (ESA) (ASTM E1527), Phase II ESAs (ASTM E1903), and has experience in assisting in multiple Phase I and Phase II Environmental Site Assessments. Ms. Behler has also completed the OSHA 40-hour HAZWOPER training course and the annual 8-Hour HAZWOPER refresher course.

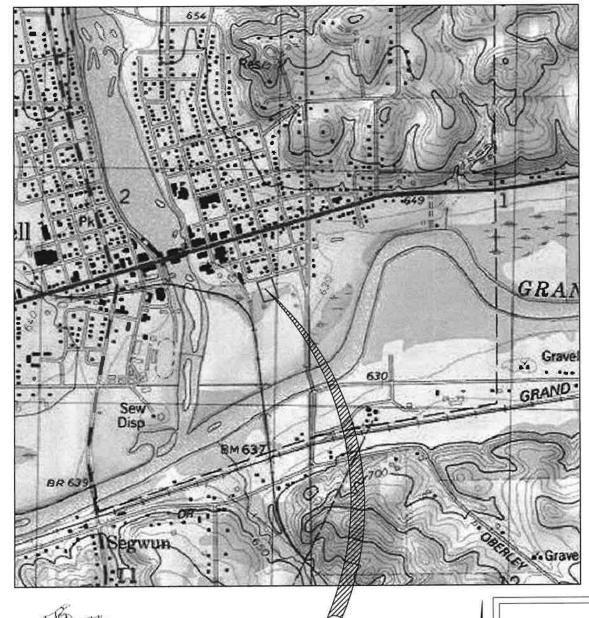
10.0 REFERENCES

- ASTM publication D4700 "Standard Guide for Soil Sampling from the Vadose Zone"
- Cleanup Criteria Requirement for Response Activity, 2018
- Michigan Background Soil Survey July 2005 (updated 2015)
- Michigan Department of Environmental Quality GeoWebFace (http://ww2.deq.state.mi.us/GeoWebFace/#DefaultZoom)
- National Environmental Laboratory Accreditation Conference (NELAC)
 Standards 2009
- The National Resource Conservation Service Web Soil Survey (http://websoilsurvey.nrcs.usda.gov/app/)
- RRD Target Detection Limits and Designated Analytical Methods EGLE, March 2016
- Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria 2002



Phase II Environmental Site Assessment





Location of the Soil Pile

FIGURE 1
LOCATION MAP
504 Front Street SE
Lowell, Michigan

July 2022

225382.02

NOT A LEGAL SURVEY

KENT





Legend

- Commercial storage building 211 S. Washington St. SE
- (V) Vacant Land
- (R) Residential
- Subject Property Boundaries

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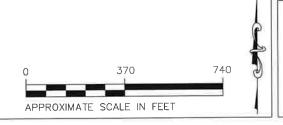


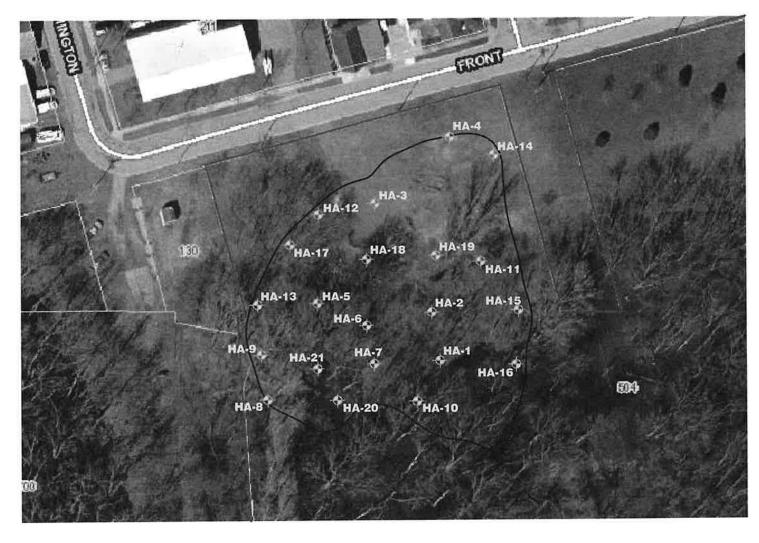
FIGURE 2 SUBJECT PROPERTY LAYOUT MAP

504 Front Street SE Lowell, Michigan

July 2022

225382.02





Legend

- ⊕ Sample Locations
- Subject Property Boundaries
- Approximate location of Soil Pile

0 85 170 APPROXIMATE SCALE IN FEET

FIGURE 3 SAMPLE LOCATION MAP

504 Front Street SE Lowell, Michigan

July 2022

225382-02

NOT A LEGAL SURVEY

V



Phase II Environmental Site Assessment

Table 1 Summary of Analytical Results for Substituce Soil Sampling 504 Front Street SE Lawall, Michigan

Diffected	Sampling					Line	Istical Results (ug	101									Resi	denttal				
Detected	Location	HA-1 (2.0-2.5)	11A-2 (4.5-5.0)	HA-3 (7.0-7.5)	1114-119.5-191	HA-5 (L0-15)	HA-6 (3.0-3.5)	HA-7 (4.0-4.5)	HA-8 (9.0-9.5)	HA-9160-65	HA-10 (5.0-5.5)	HA-11 (1.5-7.0)			Hroundwater Smface	Sed Side Adequate States	Bullaria Barrara V olatale		1.490		- 0	Sed Satuation
Amalyte	Sampling Depth (II)	(2' = 2.5')	(4.5' - 5')	(7* = 7.5*)	(9.5° - 10°)	(1' + 1.5')	(3' - 3.5')	(4' - 4.5')	(9' - 9,5')	(6' - 6.5')	(5' - 5.5')	(1.5' - 2')	Saturale Default Background Levels (44 kg)**	Resident Daning Feet Parameter Departy by P	Comment of the a	na lohukepo enama	Sol Inhabition Criticia (A Michigan Ag)*	Forda & BACTER & Dome Treate Distance (or by)	Lance Language of the	Participated Salidadeses University Salidadeses	Dayer Contact City na	Person lok (fr)
	Sample Date	06/24/22	06/24/22	06/2//22	06/24/22	06/24/22	06/24/22	04/24/22	06/24/22	96/24/22	06/24/22	86/24/22					_					
TOTAL PROPERTY.				200								1000				1 HE (ALC)	23014	11616	125.2	230.00	110-101	2.50-5
with		190	1/46	150	- 19	- 40	-54	-16.	150	+36	-39	9	54	11,100	3,166	8.98+9.0C	146.7	6.1017	136-9	119-11	A REWICE	\$ 95 - h.
Minte		~150	+150	~110	~150	\ 10	-140	-150	+150	~15U	110	<150	NA NA	5,800	540	8.45.410.	116.1	F.16.1				
THE RESERVE	A 107(E)									40000							MY	NO	NO	100	201000	7 50
of challenger		Ct.	110	740	120	ni	139	1,400	2,002	110	348	1,200	NA NA	NLL	24.0	NO.	26.7	20.7	NV	13034	200	NA.
and all the same		120	1316	ILIO .	970	1.000	140	1,400	1,149	1,100	1,tie	1,786	NA NA	NLL	NA	MAY	10	30.4	10	10	Xitti	54
and Sanather		1,440	1,500	1,400	1,600	8,700	1,110	2,700	1,599	1,900	1,280	1,501	NA NA	NLL	N.L	m	NAV	2017	NIV	112-1	200.4	155
week harperplane		1,100	1,548	170	1,100	1.108	1,000	1,600	1,211	1.100	1,210	1,440	NA	NLI.	NO.	NO.	NAV	36.5	SLV	ID	2650	NA.
and department		141	.01	410	470	440	400	KCII	554	440	54	100	SA	NLL	NG.	MAN.	in	10	ID.	10	24814	358
The tar		816	1,100	878	1,100	1.200	tes	1,900	1,200	1,600	1,100	1,490	- UA	NLL.	131	LISE (PID)	1.00	0.4	746/4	+10-4	46815	2.5
matheir		1,249	1,510	1,700	1,110	1,100	1,100	3,448	2,540	1,799	2,000	£,70¥	NA.	7.3E+5	NUL	NA	NAV	20.0	NY	m	2000	. 24
insel 2 he/Operator		960	1,366	760	111	980	13t	1.502	1,000	1.700	1,400	1,601	NA.	N.L. 56,000	250	282-6	THEN	Date:	166.4	# FE/18	1664	NA.
ineferes		449	.114	72.0	766	770	454	1,700	1,500	100	970	7,700	NA.	18E13	100	TUE-#1Ds	935-8	0.58-0	4.90-19	+7875	2 9 g c	NA.
Aria		1,000	1,780	1,649	1,768	1,600	1,400	3,000	3,100	1,849	3,000	2,700	NA NA	THEIS	-	TAN-THAT	476	10 10 (4)		V-1	0	Part Land
Mir (\$74 with to				And the second							-			T 4600	666	MY	30.9	303	NU	1301	765	NA.
shel		1,950	1.0%	3,700	3,200	2,990	2,968	1,701	3.500	2,906	4,700	1,988	5,400	115.0	140.41	34.V	SLV	50.5	SLV	116.4	37807	306
ine Ott		24,016	11.000	11.814	0.00	30,000	33,600	40,000	19,000	34.000	33,000	#4,800	* DG#	6 1000	166-61	12.0	22.5	364	54.9	175.4	372-3	SA.
re-in-titl		110	its	140	110	310	290	540	570	491	320	160	1,200	70.000	3300	27.6	NO	30.3	54.9	246.5	2.59-9	NA.
www. Total (III)		11,868	14,000	28,816	19,350	19.500	19,866	38,366	10m	12,366	38,884	374.00	Mass	5 HE+6	7 Aut -01	NAV	200	163	SLV	1104	2101	NA:
pper UII)		11,004	19,000	23,410	53,414	21,000	11.hee	31,800	15,660	24.559	42,000	\$6,000	71.000	708+5	4 foll-fm	MV	NIV	10.3	SUV	1404	.410(19	30.00
ditti:		11,000	\$8,000	34,810	34.008	11,100	24,000	71.100	17,000	39,000	-21	H.Met	110.	1,500	90b 12	0.000	1299	12100	12460	248-7	248-3	NA:
row: Finit (III)		-30	139	195	- 58	-50	-50	-, Mr.	-39	.30	-57	244	Alt	Airco	84	MAY	SLV	10.8	10.9	130-6	2484	364
AN CHEST		- 2(A	*391	1204	341	156	110	13.6	318	160	- 144	1200	1.001	1500	mm (51), 2*	NIV	NAV	10.1	34.9	# 10:4	216-9	200
H1 (2H)		NIW.	1,00	13.00	-12.6 \$78.608	*6.800	- 100	1100	118,000	-100 100,000	ULAS.	115.005	17 600	1.05-6	1700-05	51.9	MY	311	347	m	1709	5-5

Beldial and shaded values extend applicable contents
Only detected analysis spaced after the foliosology analysed separation of the of analysed compounds
NAY-R. No. Leaning entires established
NAY-R. No. Leaning e

Table 1
Summary of Analytical Results for Subsurface Suil Sampling
504 Front Street SE
Lowell, Michigan

				lential	Redd									sulfa (ma/Luci	Analytical Re						
Sml Salasahon					Infinite Souther Volume	tod k stadenson to Subse	Opensioner Subse			HA-21 (0.5-1)	HA-20 (0.5-1)	HA-19 (2.5-J)	HA-18 (3.5-I)	ILA-17 (4-4.5)	HA-16 (5.5-6)	HA-1516.5-71	HA-14 (#-8.5)	HA-14 (7.5-8)	11A-12 (8-8.5)	Sampling Location	
	Bluest Contact Charter the Nation	Conveys by States	truce Statements April	NAME OF THE PARTY OF THE	Sed tribalism City	Ad bhlaisinn Comme	Countries Countries	Bankened Drolling Water Famoure Concerns NAV	Start vide the first	(0.5' - 1')	(0.5'-1')	(2.5' + 3')	(3.5' - 4')	(4' = 4.5')	(5.5" - 6")	(6.5"+7")	(8' - 8.5')	(7.5' - 8')	(8' - 8.5')	Nampling	Detected Analyte
					100-001	0.71			0.000	06/27/22	06/27/22	06/27/22	06/27/22	06/27/22	06/27/22	06/27/22	86/27/22	06/27/22	66/27/22	Depth (ft) Sample Date	100
O- 2464	145765	276-04	3.761.0	1104	100.0	338-385 1	City	16.700	-	100		100						10000	g to the contract to		SHEDAYARI GU
Ci 136/1	ATDACS	2.95+11	136.8	615.7	148-7	4.00-4703	190	16.000		198	e98.	150	- 160	10	-19	-30	- 611	139	/50		lener.
1/2-1		77			-	20.404		1,600	N1	1350	-756	-139	-150	110	1316	= £36	1930	1110	(196		levi
. NA	\$0.00m	m.	333	SLY	NV				4500	ALCOHOLD VI		The same of the same							A	4 07Hz	and the second of the second
	7,000	136-9	304	347	NAV	SUV	34L	MI	311	340	738	1.100	531	600	581	1,210	+330	528	1330		naschaffinene
_	20700	10	10	105	NO.	NA.5	361	511	NA.	314	814	1,799	244	679	651	4,769	A338	440	1334		MARKATINE .
	210.4	412-4	50.5	NAV	14.9	265	MI	155	NA.	-111	1,500	A,00#	ate	1.344	1,110	1.914	-339	779	-350		net Management
	2004	in	30.5	247	N.V	217	301	54.L	NA.	-100	1,000	1,749	819	216	N)	1,818	-394	144	-036		amile properties
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504	162-1	5 M 5	*0.4	716.8	711.4	100-9400	5 550	710-2	NA NA	-316	429	1,800	440	618	658	1,700	-336	420	-396		CONTR
100	Spring	in in	10.5	MV	MA	NAV	N.L.	511	NA .	5110	1,ate	1,400	910	576	1,394	2,800	-101	780	1559		exactions
NA NA	1,024	4.76 -4	Local	Curt	146-5	74514	7 848	Seiem	NA NA	-110	924	1,690	450	660	691	1,700	+314	450	-,334		hout 12 badgeons
y NA	1907	47616	1.10-3	4964	4.90-4	tale-edg	TD.	237.12	1/4	-130	714	1,600	350	410	443	1,000	-330	330	100		ensufficient
	\		W	-					- 7.5	600	1,448	1,900	760	190	1,194	2,500	-946	670	-330		and.
NA.	7.68	920.4	183	NIX	MY	203	ten I	180	180		-						5				THE LUCKSHIP OF
326	3.7617	116:4	201	NAV	MAY	515	1 68-95	196-4	14100	2,200	3,300	3.400	3,300	3.000	1,ane	2,600	17,394	1,500	3,768		Hind.
1 30	R 16/13	130 4	MA	54.9	SAV	20.3	1,67,95	8,000	1216	21,000	54,410	74,000	31,000	J2 000	**. #00	JH,000	41,271	27.500	1988		normal (P)
NA.	210+	246-5	16.5	200	MAY	543	3.502	MANUE	D THE DAY	140	10	310	210	150	216	230	tee	330	ite		democriffi
1 NA	THE-?	1.10.0	10.3	27.6	53.Y	10.3	1405-64	145.9	17.554	13.000	25,649	17,600	13,000	IUM	33,000	78,306	36,899	17,600	11,311		Officers and
303	1000	105-4	26.5	NLV	53.9	525	+ ME	700-0	20.00	Ham	71,589	17.808	21.000	20.000	56,598	11700	11.514	10.000	14,200		ppet (ff)
NA NA	112.1	2007	1000	12 800	12.00e	18.011	Mat. 12	1.706	IN:	14,444	75,000	27,000	(4.300	36361	£7,800	18,866	77.8VE	29,000	12,340		ed rift:
NA NA	2464	DE+	50.4	NAV	MY	MA	Am	1.005	100	110	-200	-200		154	196	- 194	234	-168	144		mouse Total eller
NA NA	210-6	475.00	SLV	NAV	34.V	MV	100 (No. 27	1300	1.008	-100	-399	-300	136	316	234	in	179	224	100		stores (III)
NA.	176-6	,tb	34.1	NEV	52.9	55.5	1705-00	2.85-9	17100					100	100	185	200	(300	100		en alta
120.4	-	ıb	34.1	10,0	27.7	50.5	1790-44	280	17,176	46,004	180,000	316,003	11,010	TLICE	150.8W	*1,400	17,000	79.000	46,800		en dis

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Tuble 2 Sturmusry of Analytical Results for Subsurface Soil Sampling 504 Front Street SE Lowell, Michigan

						An	disticul Results (ug	501		Name and Address of the Owner of the			Ü .				Nan-R	estidential				
	Location	HA-1 (2.0-2.5)	HA-2 (4.5-5.0)	HA-3 (7,0-7,5)	HA-4 (9.5-10)		113-6 (3.0-3.5)		BA-8 (9.0-9.5)	HA-9 (6.0-6.5)	HA-10 (5.0-5.5)	HA-11 (1.5-2.0)	Salawala Irelant	Sharehard Bodge	Organisate: Stripes	to the beautiful a	Infinds Source & simile				Dani Const Citros	Spå Sapojation
Detected Analyte	Sampling Depth (ft)	(2' - 2.5')	(4.5' - 5')	(7' - 7.5')	(9.5' + 10')	(1" + 1.5")	(3' = 3.5')	(4' - 4.5')	(9' = 9.5')	(6' - 6,5')	(51 + 5.51)	(1.5' - 2')	Salamin terms		Company to	An Inhalmon Crasma kp	A straptus	Francis Declarations by	Finns USE In 2 Mater	Committe by	(abyts,	Consumeron Born Names (eg. 5g.)
	Sample Detr	66/24/22	06/24/22	06/24/22	06/24/22	00/24/22	06/24/22	U6/2-V22	06/24/22	06/24/22	116/24/22	116/24/22										_
CONTRACTOR	ALC: NO SECOND	-									1000				1.66	A WASICT	116-0	Tue-	100.0	1.012 - 16	140,000	24614
		< M.	-74	1,96	-19	-53	-34	iV.	-54	136		1.93	NA.	18 100	590	195-74C)	5.46+7	636.5	136.9	139-33	A SALE OF DR	15615
utoria.		~150	×150	~150	4.090	-190	<140	~150	~1fu	עיד	×150	<150	NA NA	1500	580	122-742	127		The same of the same			
white Plant	27A 1270D		-		A CONTRACTOR OF THE PARTY OF TH						SIIS -			-		50.0	NLV	500	100.00	102	90 155	NA.
Address Halantin		670	100	368	e28	130	739	1,88	1,000	880	144	1,210	NA.	NLL.	NLL	NO.	NLV	NIX	20.5	146-4	100	10A
ub4/Detrate		970	1269	E3+	976	1,000	l tro	1,400	1,100	1,200	1,00	1,700	NA.	MI	NLL	10	ID III	10	403	- 10	40.000	SA.
artiformium		1,400	1.549	1.419	1,400	1,709	1,tin	1,70)	1,900	1,900	2,319	1,50)	NA.	NLL	NLL NLL	NO.	NLV	141	SIX	116.4	742.4	NO.
and hispareless		1,100	1,584	170	1,100	1,100	2.860	1,416	1,200	1,200	1,310	1,400	NA.	NU	NLL	NIV.	NLV	385	NA	- 05	1607	344
and discontinue		540	331	400	578	660	RO .	300	550	640	749	NJU .	NA NA	NIL	NA	10	ID	101	10	d)	810-4	30A
Anna		810	1,000	250	1,110	1,200	100	1,860	1344	1,000	1,110	9,409	8.6	7.16-5	170	1 5E (9 (D)	#30:×	335-3	11/9	1000	130%	NA.
ni sellane		1,300	1,399	1,714	1.110	2,100	1,550	3,416	2,301	1,700	2,000	2,749	NA NA	303	300	NI.V	30.V	50.7	SIV	10	Br. Str.	828
ion f.2 had perm		950	1,386	761	130	910	£18	1,90	1,001	1,201	1,000	1,699	NA.	165.5	2 100	1 1E-6	316-5	190.5	1165.5	2004	1104	NA .
and on		440	311	721	748	770	616	1,744	1,50	lio .	974	1,149	NA NA	4963	III	179.51Di	71838	73614	THE	2369	1.84	355
ese.		1,000	1.744	1,500	1,700	1,800	1,400	3,000	2,100	1,800	2,619	2,766	- 54	195.5		176.7(0)	1100	1	0		V	107
STOTYANDRO										THE OWNER OF TAXABLE PARTY.	_	1		5401	186	NLV	Min	T 505	NU	416.9	11 00%	164
and.		1,700	1,400	3,703	1,218	1,900	3,916	1,786	1,501	1,900	C15	1,918	1,000	135-4	1.600-01	NLV	SLY	50.5	SLV	130-0	1384	34
con (III)		24,000	21,000	\$1,900	41,000	10,000	13.300	\$0,500	24,900	34,000	33,960	49,008	1,500	1104	14/5/41	NLV	MAY	50.5	MV	2264	2104	NA.
diverse (III)		110	.170	240	280	310	114	541	570	430	311	100	1811(D)44(1	Name	1300	NLV	11.7	20.5	VLV	2.00/3	525.4	144
Title 110		17,846	24,600	10,000	16,366	19,344	19,566	36,246	24,000	12,814	36,366	45,804	32109	1.02-4	1300-01	NIV	NEV	NA.	MAY	\$7012	1.801	3/4
rest tills		11,000	64,000	23,610	11,111	11,000	17,846	37,660	37,044	26,000	42,943	27,5490	21,000	700.0	6 508 100	MAY	SEV	51.5	SLV	116.7	WEEK CASHIDD	704
of disc		15,800	13,600	39,000	24,009	11,000	14,000	19,100	\$1,000	25,256	44,900	46,000	136	1.76	30 (ND 12	97500	4200	42105	A. 1500	#3674.	3 80 13	3.4
room fandalin		+50.	-50	- 36	+30	-39	<50	18	- 19	-50	- 10	760	130	4.000	30 (XI) 1 -	51.9	NIV	100.5	NAV	17617	117.6	104
encema (10)		:200	:300	-500	100	250	\$80	24	228	149	10	-59	1,000	13.000	increti 24	NEV	SLV	30.3	54.9	2101	T-12.6	NA.
or title		illio	+101	+100	+1656-	-119	100	-100	-399	- 310			1,000	100-2	1795-95	115	34.9	523	NAV	TD TD	1.16.4	NK:
- 191.		43,600	41,000	14.000	179,869	16,000	1894,810	138,508	11XX109	119,000	110,069	TUANE	11 (50)	1904	1-45-51	-4.1	100					_

Bobbies are shaded vibine record approache critisms
Only detected mobiles reported factor to blumber or modification study and exeptionals
NOT E. No cleaning critisate solubilities
NOT E. No cleanin

Table 2
Summary of Analytical Results for Subsurface Soil Sampling
504 Front Street SE
Lowell, Michigan

						Analytical Re	sults (me/bet									Nun ite	sidential				
	Sampling Location	HA-12 (8-8-5)	11A-11 (7.5.N)	HA-14 (8-8-5)	HA-15 (6.5-7)	113-16 (5.5-6)	HA-17 (4-45)	HA-18 (3.5-4)	HA-19 (2.5.3)	HA-20 (0.5-1)	113-21 (6.5-1)	NV MODIFICACI	25 CNQ = W A.S		CWGSZZZ HIGE	Artes Distant		V=0=565eV	THE SOUTHWARD	92 Sw. 5	Sed Selentan
Descried	Sampling	(8' - 8.5')	(7.5' - 8')	(8' - 8,5')	(6.51 - 71)	(55'-6')	(4' - 45')	(3.5° + 4°)	(2.5' - 3')	(0.5' - 1')	(0.5'-1')	in act provide a sealer	Want juic and Frederic Want juic and Prince		Ar Inhalaton Creans	Soul bibliograph (class for the beauty of the con-	Some VINE to \$ 150m. Some Distriction of	Four CHI'de Dileon Sours Dakenn no Mi'	Constants	Establishmal Owner (up ket)	Congregation Scope Layer Property and
	Depth (ft) Nample Date	66/27/22	06/27/22	86/27/22	16/27/22	06/27/22	66/27/22	06/27/22	86/27/22	86/27/22	86/27/22	14.001	19-4								_
10.74 17(1)		Charles and the															Ave.et	142-7	124-10	100-80%	7 50-5
ald		-06	-10	+54	189	- 94		190	-36	490	- 14	184	SA, REEL	1,100	6 (E-) (C)	3 14 15	44.7	136-1	135-11	the rest for.	1161
(half			179	+150	- P%:	-1fe	210	-120	-164	-3%	- 146	303	Use	131	125+120	5.46.12	4.92.47	3.9678	1,34,711	114741672	
	0740000		9		THE RESERVE OF THE PARTY OF THE	000												70.3	100	- marchile	1 84
autotodicaere		-316	520	-110	1,366	SIR	400	53.0	1,310	789.	344	84	NEL	101	263	MY	MAY	NIX.	191.4	9 100	54
restystere		-114	440	-10a	1,766	470	410	24.5	1,720	215	394	N/A	NIL	N2.1	NAV.	MY	33.9	- KI C	10	86 00 B	SA
act the surface		1306	.778	-110	1,944	1,176	1.150	819	3,008	1,500	410	NA	ML	324	E)	ID.			19.9	1:0-0	NA.
neg hoperalmie		-336	146	-310	1,000	ED)	244	529	1,744	1,000	-330-	Nh.	NIL	33.1	515	NEW	27.5	MIN	m m	110.7	NA.
nel describer		-316	-350	-110	125	-110	-33p	1336	310	416	-386	343	54.6	12.1	MAY:	SUV	NLY	344	m	#HE-#	165
Make		2330	424	-30a	1,700	450	410	411	3,899	120	<130	311	NO.	30.1	10	ID	tu.	Iti		1204	100
eather.		5310	194	etta	2,800	1,748	176	459	3,466	1.600	510	N3	130-5	1400	116-9101	B OF A	16.1	8.60-6	4)11-4	#0.6dg	NA.
ox1: Subjecte		- 110	414	-116	1,700	689	#60	Alle	1,601	920	<11c	2.7	SEL	NU	MAY	NLV	SLY	515		120.6	168
north-str		- 110	- 130	-116	1.000	240	400	280	1,604	710	-331	265	144.11	1,N#	5.00 +	1 >6+5	1369	17611	311.14	8 AU-Y	NA.
ene.		s110	elle.	-31U	1,500	1,100	200	760	2,900	1,400	\$00	364	481.45	1 101	110-100	7 SE=8	130/46	7.68(6)	2304	8,402	AS
CONTRACTOR IN				22 37 7 7															di .		_
		1,700	8,500	21,990	2.600	2.449	3,100	3,100	3,489	J,600	2,300	1600	4.040	1100	NGA	NLV	NEV	34.5	2 H-7	3,000	304
979		27,000	11000	41.300	38.000	14.000	32 646	51,000	\$4,000	54.000	21,000	75.Fco	136.0	a angliert	10.4"	NLV	NAV	MV	1500	130.8	NA.
inm (H)		110	414	500	210	179	294	2114	319	310	140	1,200	6.90%	1600-03	333	NLV	NAV	34.1	231.1	2164	NA.
power CO		11,000	\$7,866	34,800	(3.89)	33.866	16.344	13,000	17,000	11,000	11,900	38.600 (5.46)	10.000	3300	WY	NLV	NA.V	525	2.403	138-4	NA.
		14,000	26.000	11,200	11.000	50,500	24,640	21,899	27,000	20,000	13,000	32104	1.0014	7 NR-94	MA	SLV	7/LV	- 50.5	. 51E-7		NA.
Activity		11,000	23.500	77,886	18.600	47.400	18.608	11,000	21,600	79,000	12,908	Ti coi.	100	4.000-06	N1.1"	NIV	XXV.	MAY	3.007	### - 3 (T)C)	
CONT. TANK LIMI		11.00	15,000	780	1.50	144	-56	-86	-19	#50	-194	11e	1.700	9 (50) 12	\$190	62,900	42,000	42100	400.4	132-3	NA.
man thi		Di	100	179	110	110	310	1206	(1200	100	138	110	0(00	101	833	67.5	SLY	100.5	510.7	*:X+4	XA.
		100	1400	110	- 110	- Itel	1300	+10	188	-500	-117	1,007	\$9,000	ESC (M). 27	343	NAV	SLY	NEX	216.4	21516	NA.
- 4/84		6.500	79.000	V1.inn	Mass	150 888	78.000	54,500	124,000	180.000	44.000	47500	51E-0	1780-94	583	NAV	NIV	334	30	0.10+4	HA.

Totaled and shaded videns exercil applicable critims
(tady detected maybe in openied. Refer to Industrialy analytical seport little fill int of analyzed corresponds
NACE 7-3ct change prisons contributed.
NACE 7-3ct change prisons.
NACE 7-3c

APPENDIX A

Soil Sampling Data Sheet

BLDI

Phase II Environmental Site Assessment

150 Fountain Street NE, Grand Rapids, MI 49503 Phone: 616-459-3737 • Fax: 616-459-5357 • E-mail: bldi@bldi.com

Project Name: Field Staff:

Lowell Soil Pile KDR, JCG, JPB, DMB Project Number: 225382.02 Date: 6/24/2022 & 6/27/2022

Sample ID	Depth (feet)	PID (ppm)	Location	Soil Type/Observations
HA-1	2-2.5	0.0	Southern portion of soil pile	Sand (fine to medium grained, brown, dry, no odor)
HA-2	4.5-5	0.0	Central portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-3	7-7.5	0.0	Northern portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-4	9.5-10	0.0	Northern portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-5	1-1.5	0.0	Central portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-6	3-3.5	0.0	Central portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-7	4-4.5	0.0	Southern portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-8	9-9.5	0.0	Southern portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-9	6-6.5	0.0	Southern portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-10	5-5.5	0.0	Southern portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-11	1.5-2	0.0	Northern portion of soil pile	Sand (fine to medium grained, gravelly (small), brown, dry, no odor)
HA-12	8-8.5	0.0	Northern portion of soil pile	Sand (fine to medium grained, brown, dry, no odor)
HA-13	7.5-8	0.0	Central portion of soil pile	Sand (fine to medium grained, brown, dry, no odor)
HA-14	8-8.5	0.0	Northern portion of soil pile	Sandy loam (fine grained, dark brown, moist, no odor)
HA-15	6.5-7	0.0	Central portion of soil pile	Sand (fine grained, brown, dry, no odor)

150 Fountain Street NE, Grand Rapids, MI 49503 Phone: 616-459-3737 • Fax: 616-459-5357 • E-mail: bldi@bldi.com

Sample ID	Depth (feet)	PID (ppm)	Location	Soil Type/Observations
HA-16	5.5-6	0.0	Southern portion of soil pile	Sand (fine grained, brown, dry, no odor)
HA-17	4-4.5	0.0	Northern portion of soil pile	Sand (fine grained, brown, dry, no odor)
HA-18	3.5-4	0.0	Northern portion of soil pile	Sand (fine grained, brown, dry, no odor)
HA-19	2.5-3	0.0	Northern portion of soil pile	Sand (fine grained, gravelly (small), brown, dry, no odor)
HA-20	0.5-1	0.0	Southern portion of soil pile	Sand (fine grained, brown, dry, no odor)
HA-21	0.5-1	0.0	Southern portion of soil pile	Sand (fine grained, brown, dry, no odor)

APPENDIX B

Laboratory Analytical Reports



Phase II Environmental Site Assessment



Thursday, July 07, 2022

Fibertec Project Number:

A09405

Project Identification:

Lowell Soil Pile (225382.02) /225382.02

Submittal Date:

06/27/2022

Ms. Renee Pewitt BLDI, Inc. 150 Fountain Street NE Grand Rapids, MI 49503

Dear Ms. Pewitt,

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

The methanol kit for sample -007 was broken upon receipt and prepared at the laboratory more than 48 hours after sampling. Results may be biased low.

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Sue Ricketts at 11:13 AM, Jul 07, 2022

For Daryl P. Strandbergh Laboratory Director

Enclosures



Order: Date:

				_							
Client Identification:	BLDI, Inc.		S	ample Des	scription: HA-1 (2.0-2.5)		Chair	of Custody:	207426	
Client Project Name:	Lowell Soil Pile (2253	82.02)	S	ample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02		S	ampie Mat	rix: Soil/So	olid		Colle	ct Time:	09:57	
Sample Comments:	Soil results have been	n calculated a	and repo	rted on a	dry weight basis (unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see defini	itions at end o	f report)	NA: Not	Applicable ‡:Pa	rameter n	ot included in NEL	AC Scope of A	Analysis.		
Water (Moisture) Co Method: ASTM D221	ntent Dried at 105 ± 5°C 6-10	;				uot iD: cription:	A09405-001 HA-1 (2.0-2.5)	Matrix: \$	Soil/Solid		
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	Init.
‡ 1. Percent Moistur	e (Water Content)	3		%		1.0	07/06/22	MC220706	07/06/22	MC220706	DBG
Michigan 10 Elemen Method: EPA 0200.2						uot ID:	A09405-001 HA-1 (2.0-2.5)	Matrix: S	Soil/Solid		
							Prepa			alysis	1-1
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	lnit.
1. Arsenic		1900	12.5	μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	
2. Barium		24000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	
3. Cadmium		110		μg/kg	50	20	07/01/22	PT22G01A	07/01/22	T422G01A	(Consult)
4. Chromium		17000		μg/kg	500	20	07/01/22	PT22G01A	07/01/22	T422G01A	
5. Copper	VILLE BEEN TO	11000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	
6. Lead		11000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	-
7. Selenium		U		μg/kg	200	20	07/01/22	PT22G01A	07/01/22	T422G01A	
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	-
9. Zinc	Situate China	43000	e I sing	μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
Mercury by CVAAS					Alic	juot ID:	A09405-001	Matrix: \$	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-1 (2.0-2.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	Init.
1. Mercury		U	(ALL)	µg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLH
Volatile Organic Con	mpounds (VOCs) by GC	c/MS, 5035			Alic	juot ID:	A09405-001A	Matrix:	Soil/Solid		
Method: EPA 5035A	EPA 8260D				Des	cription:	HA-1 (2.0-2.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	An Date	alysis A. Batch	Init.
1. Benzene		U		µg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRO
2. Ethylbenzene		U		μg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRO
‡ 3.2-Methylnaphth	alene	U		μg/kg	330	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRO
4. MTBE		U		μg/kg	250	1.0	06/28/22		06/28/22 15:13		
5. Naphthalene	S-feet still	U		μg/kg	330	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRO
6. Toluene		U		μg/kg	50	1.0	06/28/22		06/28/22 15:13	Carlo	
‡ 7.1,2,3-Trimethyll	benzene	U		μg/kg	100	1.0	06/28/22		06/28/22 15:13		
8.1,2,4-Trimethyll	penzene	U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRO
9.1,3,5-Trimethylk	benzene	U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BR
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		_	48842 MI 48116 MI 49601		T: (517) 69! T: (810) 220 T: (231) 77:	0-3300	F: (8	517) 699-0388 810) 220-3311 831) 775-8584		



Order: Date: A09405 07/07/22

207426 Sample Description: HA-1 (2.0-2.5) Chain of Custody: Client Identification: BLDI, Inc. 06/24/22 Lowell Soil Pile (225382.02) Sample No: Collect Date: Client Project Name: 09:57 Sample Matrix: Soil/Solid Collect Time: Client Project No: 225382.02 Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Definitions:

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Method: EPA 5035A/EPA 8260D

Aliquot ID: A09405-001A

Matrix: Soil/Solid

Description: HA-1 (2.0-2.5)

						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
10. m&p-Xylene	U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRC
11.o-Xylene	U	7116	μg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRC
‡ 12. Xylenes	U		μg/kg	150	1.0	06/28/22	VP22F28A	06/28/22 15:13	VP22F28A	BRC

A09405-001 Matrix: Soil/Solid Aliquot ID: Polynuclear Aromatic Hydrocarbons (PNAs) Description: HA-1 (2.0-2.5) Method: EPA 3546/EPA 8270E Analysis Preparation P. Date A. Date A. Batch Init. Reporting Limit P. Batch Result Ω Units Dilution Parameter(s) 330 07/05/22 PS22G011 07/06/22 12:06 S622G06B SJD U 1. Acenaphthene (SIM) µg/kg 330 20 07/05/22 PS22G01I 07/06/22 12:06 S622G06B SJD IJ 2. Acenaphthylene (SIM) µg/kg PS22G011 07/06/22 12:06 S622G06B SJD 07/05/22 3. Anthracene (SIM) U 330 20 μg/kg PS22G011 07/06/22 12:06 S622G06B SJD 330 07/05/22 4. Benzo(a)anthracene (SIM) 670 20 µg/kg PS22G01I 07/06/22 12:06 S622G06B SJD 330 20 07/05/22 970 5. Benzo(a)pyrene (SIM) μg/kg PS22G01I 07/06/22 12:06 S622G06B SJD 07/05/22 6. Benzo(b)fluoranthene (SIM) 330 20 1600 μg/kg 07/06/22 12:06 S622G06B SJD 1100 330 20 07/05/22 PS22G011 7. Benzo(ghi)perylene (SIM) ug/kg 07/05/22 PS22G01I 07/06/22 12:06 S622G06B 330 20 540 8. Benzo(k)fluoranthene (SIM) μg/kg PS22G011 07/06/22 12:06 S622G06B SJD 07/05/22 810 μg/kg 330 20 9. Chrysene (SIM) PS22G01I 07/06/22 12:06 S622G06B SJD 330 20 07/05/22 10. Dibenzo(a,h)anthracene (SIM) U μg/kg 07/05/22 PS22G011 07/06/22 12:06 S622G06B SJD 330 20 1200 11. Fluoranthene (SIM) μg/kg 07/05/22 PS22G01I 07/06/22 12:06 S622G06B SJD 330 20 12. Fluorene (SIM) U μg/kg PS22G011 07/06/22 12:06 S622G06B SJD 13. Indeno(1,2,3-cd)pyrene (SIM) 330 20 07/05/22 950 µg/kg 07/05/22 PS22G01I 07/06/22 12:06 S622G06B SJD 330 20 14.2-Methylnaphthalene (SIM) U µg/kg PS22G01I 07/06/22 12:06 S622G06B SJD 07/05/22 15. Naphthalene (SIM) U μg/kg 330 20 PS22G011 07/06/22 12:06 S622G06B SJD 16. Phenanthrene (SIM) 440 µg/kg 330 20 07/05/22 07/05/22 PS22G011 07/06/22 12:06 S622G06B SJD 1000 330 20 17. Pyrene (SIM) µg/kg



Order: Date:

Client Identification:	BLDI, Inc.			Sample Des	cription: HA-2 (4	1.5-5.0)		Chair	of Custody:	207426	
Client Project Name:	Lowell Soil Pile (225382	:.02)		Sample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02			Sample Mat	rix: Soil/So	olid		Colle	ct Time:	10:28	
Sample Comments:	Soil results have been o	alculated :	and rep	orted on a	dry weight basis u	ınless oth	erwise noted.				
Definitions:	Q: Qualifier (see definition				Applicable ‡:Pa			AC Scope of A	Analysis.		
Water (Moisture) Co	ontent Dried at 105 ± 5°C	_			Aliq	uot ID:	A09405-002	Matrix: S	Soil/Solid		
Method: ASTM D221					Des	cription:	HA-2 (4.5-5.0)				
							Prepa			alysis	1-26
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
1. Percent Moistur	re (Water Content)	2		%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWW
Michigan 10 Elemen	its by ICP/MS				Alia	uot ID:	A09405-002	Matrix: 5	Soil/Solid		
Method: EPA 0200.2	-				•		HA-2 (4.5-5.0)				
							Prepa	ration	Ana	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Arsenic	AL TENER DE	2400	100	μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
2. Barium		27000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
3. Cadmium		120		μg/kg	50	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
4. Chromium		14000		μg/kg	500	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
5. Copper		16000	9	μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
6. Lead		12000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
7. Selenium	A PARTY OF	U	-	μg/kg	200	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
9. Zinc		61000	35	μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
Mercury by CVAAS						uot ID:	A09405-002	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-2 (4.5-5.0)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	A. Batch	Init.
1. Mercury		U		μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLH
Volatile Organic Cor	mpounds (VOCs) by GC/M	/IS, 5035			Alic	uot ID:	A09405-002A	Matrix:	Soil/Solid		
Method: EPA 5035A		,			Des	cription:	HA-2 (4.5-5.0)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	An An An	alysis A. Batch	lnit.
1. Benzene	200 J. 180 M. T. VI.	U	71,017	μg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 15:40	VP22F28A	BRC
2. Ethylbenzene		U		µg/kg	50	1.0	06/28/22		06/28/22 15:40		
3.2-Methylnaphth	nalene	U	-	μg/kg	330	1.0	06/28/22		06/28/22 15:40		UST BOTH A
4. MTBE		U		μg/kg	250	1.0	06/28/22	VP22F28A	06/28/22 15:40	VP22F28A	BRO
5. Naphthalene		U		μg/kg	330	1.0	06/28/22	VP22F28A	06/28/22 15:40	VP22F28A	BRC
6. Toluene		U		μg/kg	50	1.0	06/28/22		06/28/22 15:40		
‡ 7.1,2,3-Trimethyl	Ibenzene	U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 15:40	VP22F28A	BRO
8. 1,2,4-Trimethyl		U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 15:40	VP22F28A	BRO
9.1,3,5-Trimethyl		U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 15:40	VP22F28A	BRC
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		Brighto	il 48842 nr, MI 48116 c, MI 49601		T: (517) 699 T: (810) 220 T: (231) 779	0-3300	F: (8	517) 699-0388 310) 220-3311 231) 775-8584		



Volatile Organic Compounds (VOCs) by GC/MS, 5035

Analytical Laboratory Report Laboratory Project Number: A09405 Laboratory Sample Number: A09405-002

Order: Date:

Matrix: Soil/Solid

A09405 07/07/22

207426 Chain of Custody: Client Identification: BLDI, Inc. Sample Description: HA-2 (4.5-5.0) Collect Date: 06/24/22 Client Project Name: Lowell Soil Pile (225382.02) Sample No: Soil/Solid Collect Time: 10:28 225382.02 Sample Matrix: Client Project No: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Definitions:

Description: HA-2 (4.5-5.0) Method: EPA 5035A/EPA 8260D Preparation Analysis P. Date P. Batch A. Date A. Batch Init. Result Reporting Limit Dilution Units O Parameter(s) VP22F28A 06/28/22 15:40 VP22F28A BRC 06/28/22 U μg/kg 100 1.0 10. m&p-Xylene VP22F28A 06/28/22 15:40 VP22F28A BRC 50 1.0 06/28/22 U μg/kg 11. o-Xylene 150 06/28/22 VP22F28A 06/28/22 15:40 VP22F28A BRC 1.0 U ‡ 12. Xylenes μg/kg

Aliquot ID:

A09405-002A

Polynuclear Aromatic Hydrocarbons (PNAs)

Aliquot ID: A09405-002 Matrix: Soil/Solid

Method: EPA 3546/EPA 8270E

Description: HA-2 (4.5-5.0)

						Prepa	ration	Ana	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	U	1817	μg/kg	330	20	07/05/22	PS22G011	07/06/22 12:34	S622G06B	SJE
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
3. Anthracene (SIM)	U	-	μg/kg	330	20	07/05/22	PS22G011	07/06/22 12:34	S622G06B	SJE
4. Benzo(a)anthracene (SIM)	880		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
5. Benzo(a)pyrene (SIM)	1200	ALC:	μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
6. Benzo(b)fluoranthene (SIM)	1900		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
7. Benzo(ghi)perylene (SIM)	1500		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
8. Benzo(k)fluoranthene (SIM)	530		μg/kg	330	20	07/05/22	P\$22G01I	07/06/22 12:34	S622G06B	SJE
9. Chrysene (SIM)	1100		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
11. Fluoranthene (SIM)	1900		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
12. Fluorene (SIM)	U		μg/kg	330	20	07/05/22	PS22G011	07/06/22 12:34	S622G06B	SJE
13. Indeno(1,2,3-cd)pyrene (SIM)	1300		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
15. Naphthalene (SIM)	U		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
16. Phenanthrene (SIM)	810		μg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE
17. Pyrene (SIM)	1700	الزايا	µg/kg	330	20	07/05/22	PS22G01I	07/06/22 12:34	S622G06B	SJE



Order: Date:

Client Identification:	BLDI, Inc.			Sample Des	scription: HA-3 (7.0-7.5)		Chair	of Custody:	207426	
Client Project Name;	Lowell Soil Pile (225382	:.02)		Sample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02			Sample Mat	trix: Soil/Se	olid		Colle	ct Time:	11:03	
Sample Comments:	Soil results have been of	alculated	and rep	orted on a	dry weight basis (unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definition				Applicable ‡:Pa			AC Scope of A	Analysis.		
Dominiono.	4. 4. 4. 4. 4. 4. 4. 4.			,							
Water (Moisture) Co	ntent Dried at 105 ± 5°C				Alic	uot ID:	A09405-003	Matrix: 9	Soil/Solid		
Method: ASTM D221							HA-3 (7.0-7.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	lnit.
‡ 1. Percent Moistur	re (Water Content)	2	STONE .	%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWW
Michigan 10 Elemen	ts by ICP/MS				Alic	uot ID:	A09405-003	Matrix: S	Soil/Solid		
Method: EPA 0200.2					Des	cription:	HA-3 (7.0-7.5)				
		5	0	11.2	December 1 imila	Dilution		ration	A. Date	A. Batch	Init.
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Description of	P. Batch			-
1. Arsenic		2700		μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	
2. Barium		31000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	-
3. Cadmium	1 - 1 - 17 - 17 - 17 - 17 - 17 - 17 - 1	240		μg/kg	50	20	07/01/22	PT22G01A	07/01/22	T422G01A	_
4. Chromium		20000		μg/kg	500	20	07/01/22	PT22G01A	07/01/22	T422G01A	
5. Copper		23000	-	μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	
6. Lead		34000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	
7. Selenium		U		μg/kg	200	20	07/01/22	PT22G01A	07/01/22	T422G01A	
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	
9. Zinc		86000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLN
Mercury by CVAAS						uot ID:	A09405-003	Matrix: \$	Soil/Solid		,
Method: EPA 7471B					Des	cription:	HA-3 (7.0-7.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	****	ration P. Batch	A. Date	alysis A. Batch	Init.
1. Mercury		U	71.74	μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLH
Volatile Organic Cor	npounds (VOCs) by GC/M	1S, 5035			Alic	uot ID:	A09405-003A	Matrix: \$	Soil/Solid		
Method: EPA 5035A					Des	cription:	HA-3 (7.0-7.5)				
							Prepa	ıration	Ar	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
1. Benzene		U	89.00	μg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
2. Ethylbenzene		U		µg/kg	50	1.0	06/28/22		06/28/22 16:07		
‡ 3.2-Methylnaphth	alene	U		μg/kg	330	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
4.MTBE		U		μg/kg	250	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
5. Naphthalene		U		μg/kg	330	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
6. Toluene		U		μg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
‡ 7.1,2,3-Trimethyll	benzene	U		μg/kg	100	1.0	06/28/22		06/28/22 16:07		
8. 1,2,4-Trimethyli		U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
9. 1,3,5-Trimethyl		U	m, ki	μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		Brighte	ll 48842 on, MI 48116 c, MI 49601		T: (517) 699 T: (810) 220 T: (231) 77	0-3300	F: (8	517) 699-0388 310) 220-3311 231) 775-8584		



Order: Date:

A09405 07/07/22

Definitions:	Q: Qualifier (see definitions at end of repo			ELAC Scope of Analysis.	
Sample Comments:	Soil results have been calculated and re	eported on a dry weight	t basis unless otherwise noted.		
Client Project No:	225382.02	Sample Matrix:	Soil/Solid	Collect Time:	11:03
Client Project Name:	Lowell Soil Pile (225382.02)	Sample No:		Collect Date:	06/24/22
Client Identification:	BLDI, Inc.	Sample Description:	HA-3 (7.0-7.5)	Chain of Custody:	207426

Volatile Organic Compounds (VOCs) by	GC/MS, 5035			Aliq	uot ID:	A09405-003A	Matrix:	Soil/Solid		
Method: EPA 5035A/EPA 8260D				Des	cription:	HA-3 (7.0-7.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
10. m&p-Xylene	U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
11.o-Xylene	U		μg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC
‡ 12. Xylenes	U		μg/kg	150	1.0	06/28/22	VP22F28A	06/28/22 16:07	VP22F28A	BRC

Polynuclear Aromatic Hydrocarbons (PNAs)				Aliq	uot ID:	A09405-003	Matrix: 9	Soil/Solid		
Method: EPA 3546/EPA 8270E				Des	cription:	HA-3 (7.0-7.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
1. Acenaphthene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 09:50	S622G05A	BDA
4. Benzo(a)anthracene (SIM)	740		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
5. Benzo(a)pyrene (SIM)	830		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
6. Benzo(b)fluoranthene (SIM)	1400		μg/kg	330	20	07/03/22	PS22G011	07/05/22 09:50	S622G05A	BDA
7. Benzo(ghi)perylene (SIM)	870		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BD/
8. Benzo(k)fluoranthene (SIM)	410		μg/kg	330	20	07/03/22	PS22G011	07/05/22 09:50	S622G05A	BDA
9. Chrysene (SIM)	850	THE T	μg/kg	330	20	07/03/22	PS22G011	07/05/22 09:50	S622G05A	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
11. Fluoranthene (SIM)	1700	158	μg/kg	330	20	07/03/22	PS22G011	07/05/22 09:50	S622G05A	BDA
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	780	13	μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
14. 2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
15. Naphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BD/
16. Phenanthrene (SIM)	720		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 09:50	S622G05A	BDA
17. Pyrene (SIM)	1500	15	μg/kg	330	20	07/03/22	PS22G011	07/05/22 09:50	S622G05A	BDA



Order: Date:

Client Identification:	BLDI, Inc.			Sample Des	scription: HA-4 (9.5-10)		Chair	of Custody:	207426	
Client Project Name:	Lowell Soil Pile (225382	.02)		Sample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02			Sample Mat	rix: Soil/So	olid		Colle	ct Time:	11:30	
Sample Comments:	Soil results have been o	alculated	and re	ported on a	dry weight basis ı	unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definitio				Applicable ‡:Pa			AC Scope of A	\nalysis.		
	·										
Water (Meisture) Co	ntent Dried at 105 ± 5°C				Δlic	uot ID:	A09405-004	Matrix: 9	Soil/Solid		
Method: ASTM D221							HA-4 (9.5-10)				
							Prepa	ration	An:	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
‡ 1. Percent Moistur	re (Water Content)	3	379	%		1.0	06/30/22	MC220630	07/01/22	MC220630	AWW
Michigan 10 Elemen	ts by ICP/MS				Alic	juot ID:	A09405-004	Matrix: 5	Soil/Solid		
Method: EPA 0200.2					Des	cription:	HA-4 (9.5-10)				
							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
1. Arsenic	San San Real A	3200	1 193	μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
2. Barium		48000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
3. Cadmium	AT 1978 15 1 V 70	280		μg/kg	50	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
4. Chromium		28000		μg/kg	500	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
5. Copper		53000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
6. Lead		24000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
7. Selenium		340		μg/kg	200	20	07/01/22	PT22G01A	07/01/22	T422G01A	_
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	
9. Zinc	N. Allendar	170000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
Mercury by CVAAS						μοt ID:	A09405-004	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-4 (9.5-10)				_
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	lnit.
1. Mercury		U		μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLH
Volatile Organic Cor	πpounds (VOCs) by GC/N	1S, 5035			Alic	quot ID:	A09405-004A	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 8260D				Des	cription:	HA-4 (9.5-10)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	An A. Date	alysis A. Batch	Init.
1. Benzene		U	o Jav.	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRC
2. Ethylbenzene		U		μg/kg	50	1.0	06/29/22		06/29/22 16:08		
# 3,2-Methylnaphth	alene	U		μg/kg	330	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRC
4 MTBE		U		μg/kg	250	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRO
5. Naphthalene	age Christian Ship	U	78	μg/kg	330	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRO
6. Toluene		U		μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRO
‡ 7.1,2,3-Trimethyl	benzene	U	35 1	μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRO
8.1,2,4-Trimethyl	benzene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRO
9. 1,3,5-Trimethyl	benzene	U	584	μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRC
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		Bright	11 48842 on, MI 48116 ic, MI 49601		T: (517) 699 T: (810) 220 T: (231) 775	0-3300	F: (8	517) 699-0388 810) 220-3311 231) 775-8584		



Order: Date:

Matrix: Soil/Solid

Client Identification:	BLDI, Inc.	Sample Description:	HA-4 (9.5-10)	Chain of Custody:	207426
Client Project Name:	Lowell Soil Pile (225382.02)	Sample No:		Collect Date:	06/24/22
Client Project No:	225382.02	Sample Matrix:	Soil/Solid	Collect Time:	11:30
Sample Comments:	Soil results have been calculated and rep	orted on a dry weight	basis unless otherwise noted.		
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable	‡: Parameter not included in NELAC So	ope of Analysis.	

Volatile Organic Compounds (VOCs) by	y GC/MS, 5035			Aliq	uot ID:	A09405-004A	Matrix:	Soil/Solid		
Method: EPA 5035A/EPA 8260D				Des	cription:	HA-4 (9.5-10)				
:=						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
10. m&p-Xylene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRC
11.o-Xylene	U		μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRC
‡ 12. Xylenes	U		μg/kg	150	1.0	06/29/22	VJ22F29A	06/29/22 16:08	VJ22F29A	BRC

Polynuclear Aromatic Hydrocarbons (PNAs)				Aliq	uot ID:	A09405-004	Matrix:	Soil/Solid		
Method: EPA 3546/EPA 8270E				Des	cription:	HA-4 (9.5-10)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
1. Acenaphthene (SIM)	U	-	μg/kg	330	20	07/03/22	PS22G011	07/05/22 15:23	S622G05A	BDA
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
3. Anthracene (SIM)	U	THE R	μg/kg	330	20	07/03/22	PS22G011	07/05/22 15:23	S622G05A	BDA
4. Benzo(a)anthracene (SIM)	820		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
5. Benzo(a)pyrene (SIM)	970	100	μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
6. Benzo(b)fluoranthene (SIM)	1600		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
7. Benzo(ghi)perylene (SIM)	1100		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
8. Benzo(k)fluoranthene (SIM)	570		μg/kg	330	20	07/03/22	PS22G011	07/05/22 15:23	S622G05A	BDA
9. Chrysene (SIM)	1100		μg/kg	330	20	07/03/22	PS22G011	07/05/22 15:23	S622G05A	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
11. Fluoranthene (SIM)	2100		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	990	1	μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 15:23	S622G05A	BDA
15. Naphthalene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
16. Phenanthrene (SIM)	960		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 15:23	S622G05A	BDA
17. Pyrene (SIM)	1700		μg/kg	330	20	07/03/22	PS22G011	07/05/22 15:23	S622G05A	BDA



Order: Date:

Client Identification:	BLDI, Inc.			Sample Des	scription: HA-5 (1.0-1.5)		Chair	n of Custody:	207426	
Client Project Name:	Lowell Soil Pile (225382	2.02)		Sample No:				Colle	ect Date:	06/24/22	
Client Project No:	225382.02			Sample Mat	trix: Soil/S	olid		Colle	ect Time:	11:42	
Sample Comments:	Soil results have been o	calculated	and re	ported on a	dry weight basis	unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definition	ons at end o	of repor	t) NA: Not	Applicable ‡:Pa	arameter n	ot included in NEL	AC Scope of A	Analysis.		
,	ntent Dried at 105 ± 5°C					uot ID:	A09405-005	Matrix: S	Soil/Solid		
Method: ASTM D221	6-10				Des	cription:	HA-5 (1.0-1.5)	ration	Δη.	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moistur	re (Water Content)	2	10 h	%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWV
Michigan 10 Elemen	ts by ICP/MS				Alic	uot ID:	A09405-005	Matrix: S	Soil/Solid		
Method: EPA 0200.2						•	HA-5 (1.0-1.5)				
Daniel and a state of a l		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	Init.
Parameter(s)			Q				07/01/22	PT22G01A		T422G01A	
1. Arsenic	7-07, 11 H	2900	TO THE	μg/kg	100	20 20	07/01/22	PT22G01A		T422G01A	
2. Barium		30000		μg/kg	1000		07/01/22	-	DOMESTIC OF THE PARTY OF THE PA	T422G01A	-
3. Cadmium		310		μg/kg	50	20	2000	PT22G01A		T422G01A	
4. Chromium		18000		μg/kg	500	20	07/01/22	PT22G01A		T422G01A	
5. Copper	A TELL DAY 1	21000		μg/kg	1000	20	07/01/22 07/01/22	PT22G01A PT22G01A		T422G01A	
6. Lead		31000		μg/kg	1000	20		and the same of		T422G01A	
7. Selenium		250		μg/kg	200	20 20	07/01/22 07/01/22	PT22G01A PT22G01A		T422G01A	
8. Silver 9. Zinc	The Holes	96000		μg/kg μ g/kg	100 1000	20	07/01/22	PT22G01A		T422G01A	
Mercury by CVAAS Method: EPA 7471B						quot ID: scription:	A09405-005 HA-5 (1.0-1.5)	Matrix: 5	Soil/Solid		
motilogi El A 1 11 12							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A, Date	A. Batch	lnit.
1. Mercury		U		μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLF
Volatile Organic Cor	mpounds (VOCs) by GC/N	/IS, 5035			Alic	quot ID:	A09405-005A	Matrix:	Soil/Solid		
Method: EPA 5035A	EPA 8260D				Des	scription:	HA-5 (1.0-1.5)				
Doromotor(a)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	An A, Date	alysis A. Batch	Init
Parameter(s) 1. Benzene	Chesa da a	U		μg/kg	50	1.0	06/29/22		06/29/22 16:32		
2. Ethylbenzene	A THURSDAY IN THE	U		μg/kg μg/kg	50	1.0	06/29/22		06/29/22 16:32		1-000
3.2-Methylnaphth	alene	U		μg/kg	330	1.0	06/29/22		06/29/22 16:32		_
4. MTBE	and the same	U		μg/kg μg/kg	250	1.0	06/29/22		06/29/22 16:32		-
The state of the s		U		μg/kg	330	1.0	06/29/22		06/29/22 16:32		
5. Naphthalene 6. Toluene	ALTER SERVICE	U		μg/kg μg/kg	50	1.0	06/29/22		06/29/22 16:32		
7. 1,2,3-Trimethyll	henzene	U		μg/kg	100	1.0	06/29/22		06/29/22 16:32		
8.1,2,4-Trimethyll		U		μg/kg μg/kg	100	1.0	06/29/22		06/29/22 16:32		
9. 1,3,5-Trimethyli		U		μg/kg μg/kg	100	1.0	06/29/22		06/29/22 16:32		
,o,o-111110tilyii	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		Bright	MI 48842 on, MI 48116 oc, MI 49601		T: (517) 699 T: (810) 220 T: (231) 779	9-0345 9-3300	F: (£	517) 699-0388 810) 220-3311 231) 775-8584		



Order: Date:

A09405 07/07/22

Client Identification:	BLDI, Inc.	Sample Description:	HA-5 (1.0-1.5)	Chain of Custody:	207426
Client Project Name:	Lowell Soil Pile (225382.02)	Sample No:		Collect Date:	06/24/22
Client Project No:	225382.02	Sample Matrix:	Soil/Solid	Collect Time:	11:42
Sample Comments:	Soil results have been calculated a	nd reported on a dry weig	ht basis unless otherwise n	oted.	
Definitions:	Q: Qualifier (see definitions at end of	report) NA: Not Applicab	e ‡: Parameter not include	d in NELAC Scope of Analysis.	

Volatile Organic Compounds (VOCs) by	GC/MS, 5035			Aliq	uot ID:	A09405-005A	Matrix:	Soil/Solid		
Method: EPA 5035A/EPA 8260D				Des	cription:	HA-5 (1.0-1.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A, Batch	lnit.
10. m&p-Xylene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 16:32	VJ22F29A	BRC
11. o-Xylene	U	TOTAL	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 16:32	VJ22F29A	BRC
‡ 12. Xylenes	U		μg/kg	150	1.0	06/29/22	VJ22F29A	06/29/22 16:32	VJ22F29A	BRC

Polynuclear Aromatic Hydrocarbons (PNAs)				Aliq	uot ID:	A09405-005	Matrix: \$	Soil/Solid		
Method: EPA 3546/EPA 8270E				Des	cription:	HA-5 (1.0-1.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BD/
4. Benzo(a)anthracene (SIM)	880		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
5. Benzo(a)pyrene (SIM)	1000		μg/kg	330	20	07/03/22	PS22G011	07/05/22 12:22	S622G05A	BD/
6. Benzo(b)fluoranthene (SIM)	1700		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
7. Benzo(ghi)perylene (SIM)	1100	i file	μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
8. Benzo(k)fluoranthene (SIM)	660		μ g /kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
9. Chrysene (SIM)	1200		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
10. Dibenzo(a,h)anthracene (SIM)	υ		μg/kg	330	20	07/03/22	PS22G011	07/05/22 12:22	S622G05A	BDA
11. Fluoranthene (SIM)	2100		μg/kg	330	20	07/03/22	PS22G011	07/05/22 12:22	S622G05A	BDA
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	980	1	μg/kg	330	20	07/03/22	PS22G011	07/05/22 12:22	S622G05A	BDA
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
15. Naphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 12:22	S622G05A	BDA
16. Phenanthrene (SIM)	770		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BDA
17. Pyrene (SIM)	1800		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 12:22	S622G05A	BD



Order: Date:

Client Identification:	BLDI, Inc.			Sample Des	cription: HA-6 (3.0-3.5)		Chair	of Custody:	207426	
Client Project Name:	Lowell Soil Pile (225382	.02)		Sample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02			Sample Mat	rix: Soil/So	olid		Colle	ct Time:	12:00	
Sample Comments:	Soil results have been c	alculated	and re	ported on a	dry weight basis (unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definitio							AC Scope of A	Analysis.		
Deminions.	Q. Qualifier (555 dollmitte	110 41 0110 0		,							
Mater (Mainters) Co	ontent Dried at 105 ± 5°C				Δlìo	uot ID:	A09405-006	Matrix: 9	Soil/Solid		
Method: ASTM D221					'	'	HA-6 (3.0-3.5)				
Motifical North Page							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
‡ 1. Percent Moistu	re (Water Content)	3	18	%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWV
Michigan 10 Elemen	ats by ICP/MS				Alio	uot ID:	A09405-006	Matrix: S	Soil/Solid		
Method: EPA 0200.2	·						HA-6 (3.0-3.5)				
							Prepa			alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit,
1. Arsenic		2900	l.v.	μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	
2. Barium		33000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
3. Cadmium		290		μg/kg	50	20	07/01/22	PT22G01A	07/01/22	T422G01A	
4. Chromium		19000		μg/kg	500	20	07/01/22	PT22G01A	07/01/22	T422G01A	W 629-1100
5. Copper		22000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	_
6. Lead		24000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	-
7. Selenium	of which the	280		μg/kg	200	20	07/01/22	PT22G01A	07/01/22	T422G01A	_
8. Silver		U		μg/kg	100	- 20	07/01/22	PT22G01A		T422G01A	
9. Zinc		100000	V-151	μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLH
Mercury by CVAAS						uot ID:	A09405-006	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-6 (3.0-3.5)				
_		lb	0	11-25-	Described Limit	Dilution		ration P. Batch	A. Date	alysis A. Batch	Init.
Parameter(s)	for look 100 to	Result	Q	Units	Reporting Limit	Dilution 10	06/29/22	PM22F29B		M722F30A	17.6
1. Mercury		U		μg/kg	30	10	00/23/22	THEEL LOD	00/00/22		
Volatile Organic Co	mpounds (VOCs) by GC/N	1S, 5035			Alic	uot ID:	A09405-006A	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 8260D				Des	cription:	HA-6 (3.0-3.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	Init.
1. Benzene	THE PROPERTY OF THE PARTY OF TH	U		μg/kg	50	1.0	06/29/22		06/29/22 16:57	The Person of the Party	
2. Ethylbenzene		U		μg/kg	50	1.0	06/29/22		06/29/22 16:57		
‡ 3.2-Methylnaphth	nalene	U	100	μg/kg	330	1.0	06/29/22	VJ22F29A	06/29/22 16:57	VJ22F29A	BRO
4. MTBE		U		μg/kg	250	1.0	06/29/22		06/29/22 16:57		
5. Naphthalene		U	×2.1	μg/kg	330	1.0	06/29/22		06/29/22 16:57		
6. Toluene		U		μg/kg	50	1.0	06/29/22		06/29/22 16:57		
‡ 7.1,2,3-Trimethyl	Ibenzene	U		μg/kg	100	1.0	06/29/22		06/29/22 16:57		
8. 1,2,4-Trimethy	lbenzene	U		μg/kg	100	1.0	06/29/22		06/29/22 16:57		
9. 1,3,5-Trimethyl	Ibenzene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 16:57	VJ22F29A	BRO
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		Bright	MI 48842 on, MI 48116 ac, MI 49601		T: (517) 699 T: (810) 220 T: (231) 77:	0-3300	F: (8	517) 699-0388 810) 220-3311 231) 775-8584		



Order: Date:

Matrix: Soil/Solid

A09405 07/07/22

Client Identification:	BLDI, Inc.	Sample Description:	HA-6 (3.0-3.5)	Chain of Custody:	207426
Client Project Name:	Lowell Soil Pile (225382.02)	Sample No:		Collect Date:	06/24/22
Client Project No:	225382.02	Sample Matrix:	Soil/Solid	Collect Time:	12:00
Sample Comments:	Soil results have been calculated and rep	oorted on a dry weight	basis unless otherwise noted.		
Definitions:	Q: Qualifier (see definitions at end of report) NA: Not Applicable	‡: Parameter not included in NELAC S	cope of Analysis.	

Volatile Organic Compounds (VOCs) by	olatile Organic Compounds (VOCs) by GC/MS, 5035			Aliq	uot ID:	A09405-006A	Matrix:			
Method: EPA 5035A/EPA 8260D				Des	cription:	HA-6 (3.0-3.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
10. m&p-Xylene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 16:57	VJ22F29A	BRC
11.o-Xylene	U		μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 16:57	VJ22F29A	BRC
‡ 12. Xylenes	U		μg/kg	150	1.0	06/29/22	VJ22F29A	06/29/22 16:57	VJ22F29A	BRC

Polynuclear Aromatic Hydrocarbons (PNAs)				Aliq	uot ID:	A09405-006	Matrix: 9	Soil/Solid		
Method: EPA 3546/EPA 8270E				Des	cription:	HA-6 (3.0-3.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
1. Acenaphthene (SIM)	U	X = 30	μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:18	S622G05A	BDA
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:18	S622G05A	BDA
4. Benzo(a)anthracene (SIM)	730		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
5. Benzo(a)pyrene (SIM)	880	10.5	μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:18	S622G05A	BDA
6. Benzo(b)fluoranthene (SIM)	1500		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
7. Benzo(ghi)perylene (SIM)	1000		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:18	S622G05A	BDA
8. Benzo(k)fluoranthene (SIM)	400		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:18	S622G05A	BDA
9. Chrysene (SIM)	880		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
11. Fluoranthene (SIM)	1500		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	870	-	μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
15. Naphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
16. Phenanthrene (SIM)	650		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA
17. Pyrene (SIM)	1400		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:18	S622G05A	BDA



Order: Date:

Client Identification:	BLDI, Inc.		S	ample Des	cription: HA-7 (4	1.0-4.5)		Chair	of Custody:	207426	
Client Project Name:	Lowell Soil Pile (22538)	2.02)	S	ample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02		S	ample Mat	rix: Soil/So	olid		Colle	ct Time:	12:17	
Sample Comments:	Soil results have been	calculated	and repo	rted on a	dry weight basis u	ınless otl	herwise noted.				
Definitions:	Q: Qualifier (see definiti	ons at end o	of report)	NA: Not	Applicable ‡:Pa	rameter n	ot included in NEL	AC Scope of A	Analysis.		
Water (Moisture) Co Method: ASTM D221	ntent Dried at 105 ± 5°C 6-10					uot ID: cription:	A09405-007 HA-7 (4.0-4.5)	Matrix: 5	Soil/Solid		
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	An Date	alysis A. Batch	Init
1. Percent Moistur	re (Water Content)	3	1000	%		1.0	06/30/22	MC220630	07/01/22	MC220630	AW
Michigan 10 Elemen	-					uot ID:	A09405-007	Matrix: \$	Soil/Solid		
Method: EPA 0200.2	/EPA 6020A				Des	cription:	HA-7 (4.0-4.5)		20	04/3927	_
Devemetor/=\		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	lnit.
Parameter(s)			Q						07/01/22	T422G01A	-
1. Arsenic		2700	100	μg/kg	100 1000	20 20	07/01/22 07/01/22	PT22G01A PT22G01A	07/01/22	T422G01A	-
2. Barium		40000 540		μg/kg	50	20	07/01/22	PT22G01A	07/01/22	T422G01A	
3. Cadmium		30000		μ g/kg μg/kg	500	20	07/01/22	PT22G01A	07/01/22	T422G01A	-
4. Chromium 5. Copper		37000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	_
6. Lead		38000		μg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JLI
7. Selenium	IN INCOME.	U	3 -	μg/kg	200	20	07/01/22	PT22G01A	07/01/22	T422G01A	JL
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01A	07/01/22	T422G01A	JL
9. Zinc	C Section Control	130000		µg/kg	1000	20	07/01/22	PT22G01A	07/01/22	T422G01A	JL
Mercury by CVAAS					Aliq	uot ID:	A09405-007	Matrix: \$	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-7 (4.0-4.5)				_
			_	11-9-	December 1 insite	Dilution	Prepa	ration P. Batch	An Date	alysis A. Batch	Init
Parameter(s)		Result	Q	Units µg/kg	Reporting Limit	Dilution 10	P. Date 06/29/22	PM22F29B	06/30/22	M722F30A	
1. Mercury	the special section of	in service		ру/ку	30	10	00/20/22	, , , , , , , , , , , , , , , , , , , ,			
	mpounds (VOCs) by GC/	MS, 5035				uot ID:	A09405-007B HA-7 (4.0-4.5)	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 8260D				Des	cription.	Prepa	entina	Δη	alysis	-
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	Init
1. Benzene		U	Н	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 17:21	VJ22F29A	BR
2. Ethylbenzene		U	н	μg/kg	50	1.0	06/29/22		06/29/22 17:21		
‡ 3.2-Methylnaphth	alene	U	Н	μg/kg	330	1.0	06/29/22		06/29/22 17:21		
4. MTBE		U	н	μg/kg	250	1.0	06/29/22		06/29/22 17:21		
5. Naphthalene		U	Н	μg/kg	330	1.0	06/29/22		06/29/22 17:21		
6. Toluene		U	н	μg/kg	50	1.0	06/29/22		06/29/22 17:21		
‡ 7.1,2,3-Trimethyll	benzene	Ú	H	μg/kg	100	1.0	06/29/22		06/29/22 17:21		
8. 1,2,4-Trimethyll	benzene	U	н	μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 17:21	VJ22F29A	BR
	1914 Holloway Drive		Holt, MI	48842		T: (517) 69	9-0345	F: (!	517) 699-0388		
	11766 E. Grand River		,	MI 48116		Т: (810) 22			310) 220-3311		
	8660 S. Mackinaw Trail		Cadillac,	MI 49601	i	T: (231) 77	5-8368	F: (2	231) 775-8584		



Volatile Organic Compounds (VOCs) by GC/MS, 5035

Analytical Laboratory Report Laboratory Project Number: A09405 Laboratory Sample Number: A09405-007

Order: Date:

Matrix: Soil/Solid

A09405 07/07/22

Client Identification:	BLDI, Inc.	Sample Description:	HA-7 (4.0-4.5)	Chain of Custody:	207426
	,		(100 100)	Collect Date:	06/24/22
Client Project Name:	Lowell Soil Pile (225382.02)	Sample No:			
Client Project No:	225382.02	Sample Matrix:	Soil/Solid	Collect Time:	12:17
Sample Comments:	Soil results have been calculated and re	ported on a dry weight	basis unless otherwise noted.		
Definitions:	Q: Qualifier (see definitions at end of repor	t) NA: Not Applicable	‡: Parameter not included in NELAC Sci	ope of Analysis.	

Method: EPA 5035A/EPA 8260D		Description: HA-7 (4.0-4.5)											
						Prepa	ration	An	alysis				
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.			
9. 1,3,5-Trimethylbenzene	U	Н	μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 17:21	VJ22F29A	BRC			
10. m&p-Xylene	U	Н	μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 17:21	VJ22F29A	BRC			
11.o-Xylene	U	Н	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 17:21	VJ22F29A	BRC			
L In M. Louis	TI.	ш	. in the	150	1.0	06/20/22	V 122F2QA	06/29/22 17:21	V.122F29A	BRC			

Aliquot ID:

A09405-007B

‡ 12. Xylenes	U	н	µg/кд	150	1.0	06/29/22	VJ22F29A	00/29/22 17.21	VJ221 23A	DNO
Polynuclear Aromatic Hydrocarbons (PNAs)				Aliq	uot ID:	A09405-007	Matrix:	Soil/Solid		
Method: EPA 3546/EPA 8270E				Des	cription:	HA-7 (4.0-4.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P, Date	P. Batch	A. Date	A, Batch	Init.
1. Acenaphthene (SIM)	U	WHAT S	μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:46	S622G05A	BDA
4. Benzo(a)anthracene (SIM)	1400		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
5. Benzo(a)pyrene (SIM)	1600		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
6. Benzo(b)fluoranthene (SIM)	2700		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
7. Benzo(ghi)perylene (SIM)	1600		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
8. Benzo(k)fluoranthene (SIM)	800		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:46	S622G05A	BDA
9. Chrysene (SIM)	1800		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:46	S622G05A	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
11. Fluoranthene (SIM)	3600		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:46	S622G05A	BDA
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	1500		µg/kg	330	20	07/03/22	PS22G01I	07/05/22 10:46	S622G05A	BDA
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:46	S622G05A	BDA
15. Naphthalene (SIM)	υ		μg/kg	330	20	07/03/22	PS22G011	07/05/22 10:46	S622G05A	BDA
								Annual An		

330

330

20

20

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

μg/kg

μg/kg

1700

3000

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368

07/03/22

07/03/22

F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584

PS22G01I 07/05/22 10:46 S622G05A BDA

PS22G01I 07/05/22 10:46 S622G05A BDA

16. Phenanthrene (SIM)

17. Pyrene (SIM)



Order: Date:

BLDI, Inc.		5	Sample Des	cription: HA-8 (9.0-9.5)		Chair	of Custody:	207426	
Lowell Soil Pile (22538	2.02)	5	Sample No:				Collec	ct Date:	06/24/22	
225382.02		5	Sample Mat	rix: Soil/So	olid		Collec	ot Time:	12:47	
Soil results have been	calculated a	and repo	orted on a	dry weight basis u	ınless oth	nerwise noted.				
							AC Scope of A	nalysis.		
G. Qualifier (See definite	iono at one o	Торону	1441100	1000000			<u> </u>			
ntent Dried at 105 ± 5°C						A09405-008 HA-8 (9.0-9.5)	Matrix: S	Soil/Solid		
3-10	Recult	0	Units			Prepa		A, Date	alysis A. Batch	Init.
e (Water Content)	2		%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWV
s by ICP/MS						A09405-008 HA-8 (9.0-9.5)	Matrix: 5	Soil/Solid		
LFA 0020A							ration	Δη	alveie	
	Result	Q	Units	Reporting Limit	Dilution	355	P. Batch	A. Date	A. Batch	Init.
	2500	н 3	µg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
	29000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
	570		μg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
	24000	•	μg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
	35000	F-	μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
	37000	F+	μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
	320	14.50	μg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
	U		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
-150 - Yank	110000	eo Irl	μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
				Alic	uot ID:	A09405-008	Matrix:	Soil/Solid		
				Des	cription:	HA-8 (9.0-9.5)				
						Prepa	ration	An	alysis	
	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.
	U	311	μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLI
anounds (VOCs) by GC	MS 5035			Alic	uot ID:	A09405-008A	Matrix:	Soil/Solid		
				Des	cription:	HA-8 (9.0-9.5)				
LI A 02002					•		eration	An	alvsis	
	Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A, Batch	lnit.
	U	(C) 3, 1	µg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 17:46	VJ22F29A	BRO
	U		μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 17:46	VJ22F29A	BRO
alene	U		μg/kg	330	1.0	06/29/22				
	U		μg/kg	250	1.0	06/29/22				
	U	River	μg/kg	330	1.0	06/29/22				
	U		μg/kg	50	1.0	06/29/22		A STATE OF THE REAL PROPERTY.		
penzene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 17:46	VJ22F29A	BRO
1914 Holloway Drive 11766 E. Grand River										
	Lowell Soil Pile (22538 225382.02 Soil results have been Q: Qualifier (see definit attent Dried at 105 ± 5°C 5-10 e (Water Content) s by ICP/MS EPA 6020A alene 1914 Holloway Drive	Lowell Soil Pile (225382.02) 225382.02 Soil results have been calculated a great content Dried at 105 ± 5°C 5-10 Result (Water Content) 2 Separate Space Spa	Lowell Soil Pile (225382.02) 225382.02 Soil results have been calculated and report) Attent Dried at 105 ± 5°C 3-10 Result Q 2 (Water Content) 2 (Water Content) 2 (Water Content) 2 (Water Content) 3 (Water Content) 4 (Water Content) 4 (Water Content) 5 (Water Content) 7 (Water Content) 8 (Water Content) 9 (Water Content) 1 (Water Content) 2 (Water Content) 3 (Water Content) 4 (Water Conten	Lowell Soil Pile (225382.02) Sample No: 225382.02 Sample Matrice Soil results have been calculated and reported on a contract (see definitions at end of report) NA: Not address of the contract of the co	Lowell Soil Pile (225382.02) Sample No: 225382.02 Sample Matrix: Soil/Science Soil results have been calculated and reported on a dry weight basis to the control of the contr	Sample No: 225382.02 Sample Matrix: Soil/Solid	Sample No: Sample No: Sample No: Sample Matrix: Soil/Soild	Sample Note	Collect Date: Collect Date: Collect Date: Collect Time: Collect Tim	Collect Date Collect Date Collect Date Collect Date Collect Date Collect Date Collect Time 12:47



Order: Date:

Matrix: Soil/Solid

A09405-008A

A09405 07/07/22

207426 Chain of Custody: Sample Description: HA-8 (9.0-9.5) Client Identification: BLDI, Inc. Collect Date: 06/24/22 Client Project Name: Lowell Soil Pile (225382.02) Sample No: 12:47 Sample Matrix: Soil/Solid Collect Time: 225382.02 Client Project No: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis, Definitions:

Volatile Organic Compounds (VOCs) by GC/MS, 5035 Aliquot ID: Description: HA-8 (9.0-9.5) Method: EPA 5035A/EPA 8260D Analysis Preparation Dilution P. Date P. Batch A. Date A. Batch Init. Result Reporting Limit O Units Parameter(s) VJ22F29A 06/29/22 17:46 VJ22F29A BRC U 100 1.0 06/29/22 8. 1,2,4-Trimethylbenzene μg/kg VJ22F29A 06/29/22 17:46 VJ22F29A BRC U 100 1.0 06/29/22 9.1,3,5-Trimethylbenzene μg/kg U 100 1.0 06/29/22 VJ22F29A 06/29/22 17:46 VJ22F29A BRC 10, m&p-Xylene μg/kg 06/29/22 VJ22F29A 06/29/22 17:46 VJ22F29A BRC 50 1.0 U μg/kg 11.o-Xylene VJ22F29A 06/29/22 17:46 VJ22F29A BRC U 150 1.0 06/29/22 μg/kg ‡ 12. Xylenes

Matrix: Soil/Solid Aliquot ID: A09405-008 Polynuclear Aromatic Hydrocarbons (PNAs) Method: EPA 3546/EPA 8270E Description: HA-8 (9.0-9.5)

						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	Ü		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
4. Benzo(a)anthracene (SIM)	1000		μg/kg	330	20	07/03/22	PS22G01	07/05/22 11:13	S622G05A	BDA
5. Benzo(a)pyrene (SIM)	1100	37 4	μg/kg	330	20	07/03/22	PS22G011	07/05/22 11:13	S622G05A	BDA
6. Benzo(b)fluoranthene (SIM)	1900		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
7. Benzo(ghi)perylene (SIM)	1200	119	μg/kg	330	20	07/03/22	PS22G011	07/05/22 11:13	S622G05A	BDA
8. Benzo(k)fluoranthene (SIM)	550		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
9. Chrysene (SIM)	1200		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BD/
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
11. Fluoranthene (SIM)	2500	-0.1K	μg/kg	330	20	07/03/22	PS22G011	07/05/22 11:13	S622G05A	BDA
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	1000		μg/kg	330	20	07/03/22	PS22G01I	07/05/22 11:13	S622G05A	BDA
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/05/22 11:13	S622G05A	. BDA
15. Naphthalene (SIM)	Ü		μg/kg	330	20	07/03/22	PS22G011	07/05/22 11:13	S622G05A	BDA
16. Phenanthrene (SIM)	1500		μg/kg	330	20	07/03/22	PS22G011	07/05/22 11:13	S622G05A	BDA
17. Pyrene (SIM)	2100	610	μg/kg	330	20	07/03/22	PS22G011	07/05/22 11:13	S622G05A	BD/



Order: Date:

Client Identification:	BLDI, Inc.			Sample Des	scription: HA-9 (6.0-6.5)		Chair	of Custody:	207426	
Client Project Name:	Lowell Soil Pile (225382	.02)		Sample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02			Sample Mat	rix: Soil/Se	olid		Colle	ct Time:	12:56	
Sample Comments:	Soil results have been of	:alculated	and re	ported on a	dry weight basis	unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definition							AC Scope of A	Analysis.		
Dominiono.	a. aaamer (ees ees maa										
Water (Moisture) Co	ntent Dried at 105 ± 5°C				Alic	uot ID:	A09405-009	Matrix: S	Soil/Solid		
Method: ASTM D221							HA-9 (6.0-6.5)				
							Prepa			alysis	lait.
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	Init.
1. Percent Moistur	re (Water Content)	2		%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AVVV
Michigan 10 Floren	to by ICD/MS				Δlic	uot iD:	A09405-009	Matrix: S	Soil/Solid		
Michigan 10 Elemen Method: EPA 0200.2	-						HA-9 (6.0-6.5)				
motilod, E. M. ozoo.							Prepa	ration	Ana	alysis	rosens tv
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	lnit.
1. Arsenic		2900	100	μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2. Barium		34000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium	STATE STATE	430		μg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
4. Chromium		18000		μg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5. Copper		26000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
6. Lead		39000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
7. Selenium		260		μg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
8, Silver		U		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
9. Zinc		100000	n ju	µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS					Alic	juot ID:	A09405-009	Matrix: \$	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-9 (6.0-6.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	Init
1. Mercury	ACCOUNTS OF THE SECOND	U	ų š	μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLH
Walatila Canania Can	mpounds (VOCs) by GC/M	10 E02E			Alia	uot ID:	A09405-009A	Matrix:	Soil/Solid		_
Method: EPA 5035A		10, 3033				•	HA-9 (6.0-6.5)				
							Prepa			alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	40000000	P. Batch	A. Date	A, Batch	Init.
1. Benzene		U		μg/kg	50	1.0	06/29/22		06/29/22 18:10		
2. Ethylbenzene		U		μg/kg	50	1.0	06/29/22		06/29/22 18:10		
‡ 3.2-Methylnaphth	nalene	U		μg/kg	330	1.0	06/29/22		06/29/22 18:10		
4. MTBE		U		μg/kg	250	1.0	06/29/22		06/29/22 18:10 06/29/22 18:10		
5. Naphthalene	DA STREET, STREET	U	Cal In	μg/kg	330	1.0	06/29/22		06/29/22 18:10		
6 Toluene		U	-	μg/kg	50	1.0	06/29/22		06/29/22 18:10		
‡ 7.1,2,3-Trimethyl		U		μg/kg	100	1.0	06/29/22		06/29/22 18:10		
8. 1,2,4-Trimethyl		U		μg/kg	100	1.0	06/29/22		06/29/22 18:10		-
9.1,3,5-Trimethyl	benzene	U		μg/kg	100	1.0	06/29/22	VUZZFZBA	00/23/22 10.10	102E1 23M	DITO
	1914 Holloway Drive		Holt, I	MI 48842		T: (517) 69	9-0345		517) 699-0388		
	11766 E. Grand River			on, MI 48116		T: (810) 220			310) 220-3311		
	8660 S. Mackinaw Trail		Cadill	ac, MI 49601		T: (231) 77:	5-8368	F: (2	231) 775-8584		



‡ 12. Xylenes

Analytical Laboratory Report Laboratory Project Number: A09405 Laboratory Sample Number: A09405-009

Order: Date:

06/29/22 18:10 VJ22F29A BRC

A09405 07/07/22

Sample Description: Chain of Custody: 207426 BLDI, Inc. HA-9 (6.0-6.5) Client Identification: 06/24/22 Collect Date: Lowell Soil Pile (225382.02) Sample No: Client Project Name: Collect Time: 12:56 Sample Matrix: Soil/Solid 225382.02 Client Project No: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Definitions:

Volatile Organic Compounds (VOCs) by GC/MS, 5035 Description: HA-9 (6.0-6.5) Method: EPA 5035A/EPA 8260D Preparation Analysis P. Date P. Batch A. Date A. Batch Init. Dilution Reporting Limit Units Parameter(s) Result Q VJ22F29A 06/29/22 18:10 VJ22F29A BRC U μg/kg 100 1.0 06/29/22 10. m&p-Xylene 50 06/29/22 VJ22F29A 06/29/22 18:10 VJ22F29A BRC 1.0 U μg/kg 11.o-Xylene

150

Aliquot ID:

1.0

A09405-009A

06/29/22

Matrix: Soil/Solid

VJ22F29A

Matrix: Soil/Solid Aliquot ID: A09405-009 Polynuclear Aromatic Hydrocarbons (PNAs)

μg/kg

U

Method: EPA 3546/EPA 8270E				Des	cription: H	A-9 (6.0-6.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	U	7/1	µg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/04/22 00:33	SN22G03B	SJE
4. Benzo(a)anthracene (SIM)	880		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJD
5. Benzo(a)pyrene (SIM)	1200	-11	μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
6. Benzo(b)fluoranthene (SIM)	1900		μg/kg	330	20	07/03/22	PS22G011	07/04/22 00:33	SN22G03B	SJE
7. Benzo(ghi)perylene (SIM)	1200		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
8. Benzo(k)fluoranthene (SIM)	640		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
9. Chrysene (SIM)	1000	3/3	μg/kg	330	20	07/03/22	PS22G011	07/04/22 00:33	SN22G03B	SJE
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
11. Fluoranthene (SIM)	1700		μg/kg	330	20	07/03/22	PS22G011	07/04/22 00:33	SN22G03B	SJE
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
13. Indeno(1,2,3-cd)pyrene (SIM)	1200		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
15. Naphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/04/22 00:33	SN22G03B	SJE
16. Phenanthrene (SIM)	880		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 00:33	SN22G03B	SJE
17. Pyrene (SIM)	1800	15 11	μg/kg	330	20	07/03/22	PS22G011	07/04/22 00:33	SN22G03B	SJE



Order: Date:

Client Identification:	BLDI, Inc.		S	ample Des	cription: HA-10	(5.0-5.5)		Chair	n of Custody:	207426	
Client Project Name:	Lowell Soil Pile (22538	32.02)	S	ample No:				Colle	ct Date:	06/24/22	
Client Project No:	225382.02		S	ample Mat	rix: Soil/S	olid		Colle	ct Time:	13:11	
Sample Comments:	Soil results have been	calculated	and repo	rted on a	dry weight basis	unless oth	nerwise noted.				
	Q: Qualifier (see definit							AC Scope of A	Analysis.		
Definitions:	Q. Qualifier (see definit	ions at end o	л героп,	147.1100	Applicable +.1 c	il di ilicitor il	ot moladod in MEE	, 10 000p0 011			
Water (Moisture) Con	tent Dried at 105 ± 5°C				Alic	uot ID:	A09405-010	Matrix: \$	Soil/Solid		
Method: ASTM D2216	i-10				Des	cription:	HA-10 (5.0-5.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	A. Batch	lnit,
1. Percent Moisture	(Water Content)	4		%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWV
Michigan 10 Elements	s by ICP/MS				Alic	uot ID:	A09405-010	Matrix: \$	Soil/Solid		
Method: EPA 0200.2/I	EPA 6020A				Des	cription:	HA-10 (5.0-5.5)				
							Prepa	ration	Ana	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	Init.
1. Arsenic		4700	18 1	μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
2. Barium		33000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium		320		μg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
4. Chromium		30000		μg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
5. Copper	SCHOOL STATE	42000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JL
6. Lead		44000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
7. Selenium	State of Land	340		μg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
9. Zinc		110000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
Mercury by CVAAS					Alic	juot ID:	A09405-010	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-10 (5.0-5.5)				
							Prepa			alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit
1. Mercury		U		μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JL
Volatile Organic Com	pounds (VOCs) by GC	/MS, 5035			Alic	juot ID:	A09405-010A	Matrix:	Soil/Solid		
Method: EPA 5035A/E	PA 8260D				Des	cription:	HA-10 (5.0-5.5)				
							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit
1. Benzene		U	E. I	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 18:35	VJ22F29A	BRO
2. Ethylbenzene	1000	U		μg/kg	50	1.0	06/29/22		06/29/22 18:35		
‡ 3.2-Methylnaphtha	lene	U	- 31	μg/kg	330	1.0	06/29/22	VJ22F29A	06/29/22 18:35		
4. MTBE		U		μg/kg	250	1.0	06/29/22	VJ22F29A	06/29/22 18:35	VJ22F29A	BR
5. Naphthalene		U	M 37	μg/kg	330	1.0	06/29/22		06/29/22 18:35		
6. Toluene		U		μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 18:35	VJ22F29A	BR
‡ 7.1,2,3-Trimethylb	enzene	U		μg/kg	100	1.0	06/29/22		06/29/22 18:35	1000	112.9790
8. 1,2,4-Trimethylbe	enzene	U		μg/kg	100	1.0	06/29/22		06/29/22 18:35	A December 1 and 1	of the series
9.1,3,5-Trimethylb	enzene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 18:35	VJ22F29A	BR
	1914 Holloway Drive		Holt, MI	48847		T: (517) 69!	9-0345	F- /1	517) 699-0388		
	1914 Holloway Drive 11766 E. Grand River			MI 48116		T: (810) 220			310) 220-3311		
	8660 S. Mackinaw Trail			MI 49601		T: (231) 77:			231) 775-8584		



Order: Date:

A09405 07/07/22

Client Identification:

BLDI, Inc.

Sample Description: HA-10 (5.0-5.5)

Chain of Custody:

207426

Client Project Name: Lowell Soil Pile (225382.02)

Sample No:

Collect Date:

06/24/22

Client Project No:

225382.02

Sample Matrix:

Soil/Solid

Collect Time:

13:11

Sample Comments:

Definitions:

Soil results have been calculated and reported on a dry weight basis unless otherwise noted.

Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis.

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Aliquot ID:

A09405-010A

Matrix: Soil/Solid

Description: HA-10 (5.0-5.5)

					Prepa	ration	Analysis		
Parameter(s)	Result Q) Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
10. m&p-Xylene	U	μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 18:35	VJ22F29A	BRC
11.o-Xylene	Û	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 18:35	VJ22F29A	BRC
‡ 12. Xylenes	U	μg/kg	150	1.0	06/29/22	VJ22F29A	06/29/22 18:35	VJ22F29A	BRC

Polynuclear Aromatic Hydrocarbons (PNAs)

Method: EPA 3546/EPA 8270E

Method: EPA 5035A/EPA 8260D

Aliquot ID:

A09405-010

Matrix: Soil/Solid

Description: HA-10 (5.0-5.5)

VIELLIOU. LEA 3340/LEA 02/0L			2000.1910.1111 10111111111111111111111111												
			Units			Prepa	ration	Analysis							
Parameter(s)	Result	Q		Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.					
1. Acenaphthene (SIM)	U		µg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJI					
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					
3. Anthracene (SIM)	U	27	μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					
4. Benzo(a)anthracene (SIM)	960		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
5. Benzo(a)pyrene (SIM)	1400		μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					
6. Benzo(b)fluoranthene (SIM)	2200		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
7. Benzo(ghi)perylene (SIM)	1200		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
8. Benzo(k)fluoranthene (SIM)	760		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
9. Chrysene (SIM)	1100		μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					
11. Fluoranthene (SIM)	2000	2012	µg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
12. Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
13. Indeno(1,2,3-cd)pyrene (SIM)	1400	1-2	μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
15. Naphthalene (SIM)	U	130	μg/kg	330	20	07/03/22	PS22G01I	07/04/22 01:00	SN22G03B	SJ					
16. Phenanthrene (SIM)	970		μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					
17. Pyrene (SIM)	2000		μg/kg	330	20	07/03/22	PS22G011	07/04/22 01:00	SN22G03B	SJ					



Order: Date:

				I. D	- d	(4 5 2 0)		Chair	of Custody:	207427	
Client Identification:	BLDI, Inc.	S	ample Des	cription: HA-11	Chair	Chain of Custody: Collect Date:					
Client Project Name:	Lowell Soil Pile (225382	S	ample No:		Colle						
Client Project No:	225382.02		S	ample Mat	rix: Soil/So	Colle	ct Time:	13:24			
Sample Comments:	Soil results have been	calculated a	and repo	rted on a	dry weight basis (unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definition	ons at end o	of report)	NA: Not	Applicable ‡:Pa	rameter n	ot included in NEL	AC Scope of A	Analysis.		
Water (Moisture) Co Method: ASTM D221	ntent Dried at 105 ± 5°C 6-10					uot ID: cription:	A09405-011 HA-11 (1.5-2.0)	Matrix: S	Soil/Solid		
5 . ()		Decult	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	llysis A. Batch	Init.
Parameter(s)	Water and the second	Result	Q						07/01/22	MC220630	
1. Percent Moistur	re (Water Content)	3	9-34	%		1.0	06/30/22	MC220630	07/01/22	IVIC220030	7444
Michigan 10 Elements by ICP/MS Method: EPA 0200.2/EPA 6020A					Alic	Matrix: Soil/Solid					
Wethou. LI A 0200.2	ZEI A OUZUA						Prepa	ration	Ana	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	lnit.
1. Arsenic	Terrolly manual	2900	75777	μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2. Barium		40000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium		260	WIT TO SERVICE	μg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
4. Chromium		45000		μg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5. Copper	The reserve to	37000	/4	μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
6. Lead		46000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
7. Selenium		260		μg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JL⊦
9. Zinc		120000	4.4	μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS					Alic	quot ID:	A09405-011	Matrix: \$	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-11 (1.5-2.0)				
Darameter(a)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	alysis A. Batch	Init.
Parameter(s) 1. Mercury		U		μg/kg	50	10	06/29/22	PM22F29B	06/30/22	M722F30A	JLH
Volatile Organic Cor Method: EPA 5035A	mpounds (VOCs) by GC/l	MS, 5035				quot ID: scription:	A09405-011A HA-11 (1.5-2.0)	Matrix:	Soil/Solid		
Welliod, El A 3000A	THE A CLOSE							aration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	****	P. Batch	A. Date	A. Batch	lnit.
		U	100	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 18:59	VJ22F29A	BRO
Benzene Ethylbenzene	THE RESERVE	U		μg/kg μg/kg	50	1.0	06/29/22		06/29/22 18:59		
3.2-Methylnaphth	alene	U		μg/kg	330	1.0	06/29/22		06/29/22 18:59		
4. MTBE		U		μg/kg	250	1.0	06/29/22		06/29/22 18:59		
5. Naphthalene	Stephen Color	U		μg/kg	330	1.0	06/29/22		06/29/22 18:59		
6. Toluene		U	1 71	μg/kg	50	1.0	06/29/22		06/29/22 18:59		
‡ 7.1,2,3-Trimethyl	benzene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 18:59	VJ22F29A	BR
8. 1,2,4-Trimethyl		U		μg/kg	100	1-0	06/29/22		06/29/22 18:59		
9.1,3,5-Trimethyl		U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 18:59	VJ22F29A	BR
		_	48842 , MI 48116 MI 49601		T: (517) 69 T: (810) 22 T: (231) 77	0-3300	F: (8	517) 699-0388 310) 220-3311 231) 775-8584	×		



Order: Date: A09405 07/07/22

Chain of Custody: 207427 Sample Description: HA-11 (1.5-2.0) Client Identification: BLDI, Inc. 06/24/22 Collect Date: Lowell Soil Pile (225382.02) Sample No: Client Project Name: Collect Time: 13:24 Soil/Solid Sample Matrix: Client Project No: 225382.02 Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Definitions:

Volatile Organic Compounds (VOCs) by GC/MS, 5035

Method: EPA 5035A/EPA 8260D

Aliquot ID: A09405-011A Matrix: Soil/Solid
Description: HA-11 (1.5-2.0)

	Result	Q				Prepa	ration	Analysis			
Parameter(s)			Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	lnit.	
10. m&p-Xylene	U		μg/kg	100	1.0	06/29/22	VJ22F29A	06/29/22 18:59	VJ22F29A	BRC	
11.o-Xylene	U	534	μg/kg	50	1.0	06/29/22	VJ22F29A	06/29/22 18:59	VJ22F29A	BRC	
‡ 12. Xylenes	U		μg/kg	150	1.0	06/29/22	VJ22F29A	06/29/22 18:59	VJ22F29A	BRC	

A09405-011 Matrix: Soil/Solid Aliquot ID: Polynuclear Aromatic Hydrocarbons (PNAs) Description: HA-11 (1.5-2.0) Method: EPA 3546/EPA 8270E Analysis Preparation P. Date A. Date A. Batch Reporting Limit P. Batch Result O Units Dilution Parameter(s) PS22G01I 07/04/22 01:27 SN22G03B SJD 330 20 07/03/22 1. Acenaphthene (SIM) U µg/kg 330 20 07/03/22 PS22G01I 07/04/22 01:27 SN22G03B SJD U 2. Acenaphthylene (SIM) μg/kg PS22G01I 07/04/22 01:27 SN22G03B SJD 07/03/22 U 330 20 3. Anthracene (SIM) µg/kg PS22G01I 07/04/22 01:27 SN22G03B SJD 330 20 07/03/22 1200 4. Benzo(a)anthracene (SIM) µg/kg 07/03/22 PS22G011 07/04/22 01:27 SN22G03B SJD 330 20 5. Benzo(a)pyrene (SIM) 1700 μg/kg 07/03/22 PS22G01I 07/04/22 01:27 SN22G03B SJD 330 20 6. Benzo(b)fluoranthene (SIM) 2500 μg/kg PS22G01I 07/04/22 01:27 SN22G03B SJD 07/03/22 1400 330 20 7. Benzo(ghi)perylene (SIM) ца/ка 07/03/22 PS22G01I 07/04/22 01:27 SN22G03B SJD 330 20 830 8. Benzo(k)fluoranthene (SIM) µg/kg PS22G01I 07/04/22 01:27 SN22G03B SJD 07/03/22 1400 µg/kg 330 20 9. Chrysene (SIM) PS22G01I 07/04/22 01:27 SN22G03B SJD 330 20 07/03/22 10. Dibenzo(a,h)anthracene (SIM) U µg/kg 07/03/22 PS22G011 07/04/22 01:27 SN22G03B SJD 330 20 11. Fluoranthene (SIM) 2700 μg/kg 07/03/22 PS22G011 07/04/22 01:27 SN22G03B SJD 330 20 12. Fluorene (SIM) U μg/kg PS22G01I 07/04/22 01:27 SN22G03B SJD 07/03/22 330 20 13. Indeno(1,2,3-cd)pyrene (SIM) 1600 µg/kg 07/03/22 PS22G01I 07/04/22 01:27 SN22G03B SJD 330 20 H 14.2-Methylnaphthalene (SIM) μg/kg PS22G011 07/04/22 01:27 SN22G03B SJD 07/03/22 15. Naphthalene (SIM) U µg/kg 330 20 PS22G01I 07/04/22 01:27 SN22G03B SJD 16. Phenanthrene (SIM) 1100 µg/kg 330 20 07/03/22 07/03/22 PS22G01I 07/04/22 01:27 SN22G03B SJD 2700 330 20 17. Pyrene (SIM) µg/kg

> 1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail

Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584



Analytical Laboratory Report Laboratory Project Number: A09405

Order: Date: A09405 07/07/22

Definitions/ Qualifiers:

- A: Spike recovery or precision unusable due to dilution.
- B: The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- J: The concentration is an estimated value.
- M: Modified Method
- U: The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis.
- *: Value reported is outside QC limits

Exception Summary:

- Duplicate analysis not within control limits.
- F- : Recovery from the spiked aliquot exceeds the lower control limit (matrix spike or matrix spike duplicate).
 F+ : Recovery from the spiked aliquot exceeds the upper control limit (matrix spike or matrix spike duplicate).
- H : Hold time exceeded.

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-19-8 (TX)



Analytical Laboratory

1914 Holloway Drive Holf, MI 48842

8660 S. Mackinaw Trail Cadillac, MI 49601

Phone: 231 775 8368

Fax: 231 775 8584

Phone: 517 699 0345 Fax: 517 699 0388

emall: lab@flbertec.us

Geoprobe

11766 E. Grand River Rd.

Brighton, Mi 48116 Phone: 810 220 3300 Fax: 810 220 3311

Chain of Custody #

207426 PAGE _____ of _____

Client Name: P, LDT											PARAMET	ERS			Matrix	(Code	Deliverables	_	
Contact Person: Rence Pewitt Kayla Rockey						Г								S Soil C	Gw Ground Water	Level 2			
Project Name/ Number: Loven Soil Pik /225382.02			(CODE)		gasoline		metals					SAMPLE	0 0ii v	Sw Surface Water ww Waste Water	Level 3				
Email distribution list: Namlar jordang @bldi.com				SHI CORNER FOR	# OF CONTAINERS	1000	PNA's		1 1				HOLD SAM	P Wipe	X Other: Specify	EDD	+		
Quote#					SEE RI	NS I	00	4	اسرا										
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Analytical Laboratory

1914 Holloway Drive

8660 S. Mackinaw Trail Cadillac, MI 49601

Holt, M1 48842 Phone: 517 699 0345 Fax: 517 699 0388

email: lab@fibertec.us

Phone: 231 775 8368 Fax: 231 775 8584 Geoprobe

11766 E. Grand River Rd. Brighton, MI 48116

Phone: 810 220 3300 Fax: 810 220 3311 Chain of Custody #

207427

Client Name: BLP 1							PARAMI	ETERS		,		Matrix Code	Deliverables
Contact Person: Rence Dewitt Kayla Rockly			إيوا		~							S Soil GW Ground Water	Level 2
			opsoline		Metols							A Air Sw Surface Water	Level 3
Lovell Soil Pike 1265 382.02	OR CODE)		13	,	124						MPLE	O Oil www Waste Water	Level 4
Project Name/ Number: Love 1 Soil Pik / 225382.02 Email distribution list: Kaylar reneep jordan 9 @ bldi. com	ORNER FC		1 1		ΙI		1 1				HOLD SAMPLE	P Wipe X Other: Specify	EDD
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Quote#	- K	NO.	اقِ	2	-								
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Tuesday, July 12, 2022

Fibertec Project Number:

A09406

Project Identification:

Lowell Soil Pile (225382.02) /225382.02

Submittal Date:

06/27/2022

Ms. Renee Pewitt BLDI, Inc. 150 Fountain Street NE Grand Rapids, MI 49503

Dear Ms. Pewitt.

Thank you for selecting Fibertec Environmental Services as your analytical laboratory. The samples you submitted have been analyzed in accordance with NELAC standards and the results compiled in the attached report. Any exceptions to NELAC compliance are noted in the report. These results apply only to those samples submitted. Please note TO-15 samples will be disposed of 7 calendar days after the reporting date. All other samples will be disposed of 30 days after the reporting date.

Due to insufficient volume received, PNA Analysis was not performed for sample SB-5-GW (-0016).

If you have any questions regarding these results or if we may be of further assistance to you, please contact me at (517) 699-0345.

Sincerely,

By Jacob Sutherlund at 4:11 PM, Jul 12, 2022

For Daryl P. Strandbergh Laboratory Director

Enclosures



Order: Date: A09406 07/12/22

Sample Description: Chain of Custody: 207428 HA-12 (8-8.5) Client Identification: BLDI. Inc. 06/27/22 Collect Date: Sample No: Client Project Name: Lowell Soil Pile (225382.02) Collect Time: 09:04 Sample Matrix: Soil/Solid Client Project No: 225382.02 Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis, Definitions: Aliquot ID: A09406-001 Matrix: Soil/Solid Water (Moisture) Content Dried at 105 ± 5°C Description: HA-12 (8-8.5) Method: ASTM D2216-10 Preparation Analysis A. Batch Init. P. Batch A. Date P. Date Reporting Limit Dilution Parameter(s) Result Ω Units MC220630 07/01/22 MC220630 AWW 1.0 06/30/22 % 1. Percent Moisture (Water Content) Matrix: Soil/Solid A09406-001 Michigan 10 Elements by ICP/MS Aliquot ID: Description: HA-12 (8-8.5) Method: EPA 0200.2/EPA 6020A Analysis Preparation A. Date A Batch Init. Reporting Limit Dilution P. Date P. Batch Result Q Units Parameter(s) 07/01/22 PT22G01C 07/01/22 T422G01A JLH 100 20 1. Arsenic 2700 µg/kg 07/01/22 T422G01A JLH 07/01/22 PT22G01C 1000 20 27000 µg/kg 2. Barium T422G01A JLH 50 20 07/01/22 PT22G01C 07/01/22 3. Cadmium 180 µg/kg 20 07/01/22 PT22G01C 07/01/22 T422G01A JLH 500 4. Chromium 11000 µg/kg PT22G01C 07/01/22 T422G01A JLH 07/01/22 16000 1000 20 µg/kg 5 Copper T422G01A JLH 07/01/22 PT22G01C 07/01/22 12000 1000 20 µg/kg 6 Lead 07/01/22 T422G01A JLH 200 20 07/01/22 PT22G01C 7. Selenium 220 µg/kg 07/01/22 T422G01A JLH 07/01/22 PT22G01C 8. Silver U µg/kg 100 20 07/01/22 T422G01A JLH 46000 1000 20 07/01/22 PT22G01C 9. Zinc µg/kg Matrix: Soil/Solid Aliquot ID: A09406-001 Mercury by CVAAS Description: HA-12 (8-8.5) Method: EPA 7471B Analysis Preparation P. Date P. Batch A. Date A. Batch Init Q Units Reporting Limit Dilution Parameter(s) Result 10 07/01/22 PM22G01D 07/05/22 M722G05A JLH 50 11 µg/kg 1. Mercury Aliquot ID: A09406-001A Matrix: Soil/Solid Volatile Organic Compounds (VOCs) by GC/MS, 5035 Method: EPA 5035A/EPA 8260D Description: HA-12 (8-8.5) Preparation Analysis Dilution P. Date P. Batch A. Date A. Batch Init. Reporting Limit Result O Units Parameter(s) VP22F28A 06/28/22 20:07 VP22F28A BRC U µg/kg 50 1.0 06/28/22 1. Benzene 06/28/22 20:07 VP22F28A BRC U 50 1.0 06/28/22 VP22F28A 2. Ethylbenzene µg/kg 06/28/22 VP22F28A 06/28/22 20:07 VP22F28A BRC 330 1.0 U µg/kg 3.2-Methylnaphthalene 06/28/22 20:07 VP22F28A BRC 250 1,0 06/28/22 VP22F28A U µg/kg 4. MTBE 330 1.0 06/28/22 VP22F28A 06/28/22 20:07 VP22F28A BRC U 5. Naphthalene µg/kg 06/28/22 VP22F28A 06/28/22 20:07 VP22F28A BRC 1.0 U µg/kg 50 6. Toluene VP22F28A 06/28/22 20:07 VP22F28A BRC 100 1.0 06/28/22 U µg/kg ‡ 7.1,2,3-Trimethylbenzene 06/28/22 VP22F28A 06/28/22 20:07 VP22F28A BRC U 100 1.0 8.1,2,4-Trimethylbenzene µg/kg 1.0 06/28/22 VP22F28A 06/28/22 20:07 VP22F28A BRC U µg/kg 100 9. 1,3,5-Trimethylbenzene T: (517) 699-0345 F: (517) 699-0388 Holt, MI 48842 1914 Holloway Drive F: (810) 220-3311 11766 E. Grand River Brighton, MI 48116 T: (810) 220-3300 F: (231) 775-8584 T: (231) 775-8368 8660 S. Mackinaw Trail Cadillac, MI 49601



Order: Date:

Client Identification:	BLDI, Inc.		5	Sample De	scription: H	HA-12 (8-8.5)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (2253)	82.02)	S	Sample No	c				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		9	Sample Ma	ntrix: \$	Soil/Sol	lid		Colle	ct Time:	09:04	
Sample Comments:	Soil results have been	n calculated a	and repo	rted on a	dry weight b	oasis uı	nless oth	nerwise noted.				
Definitions:	Q: Qualifier (see defini	tions at end o	f report)	NA: No	t Applicable	‡: Par	ameter n	ot included in NEL	AC Scope of A	Analysis		
Volatile Organic Cor	mpounds (VOCs) by GC	/MS, 5035				Aliqu	ıot ID:	A09406-001A	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 8260D					Desc	ription:	HA-12 (8-8.5)				
								Prepa			alysis	
Parameter(s)		Result	Q	Units	Reporting	Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init
10, m&p-Xylene		U		μg/kg		100	1.0	06/28/22	VP22F28A	06/28/22 20:07	VP22F28A	BRO
11. o-Xylene		U		μg/kg		50	1.0	06/28/22	31-1-1	06/28/22 20:07		
‡ 12. Xylenes		U		µg/kg		150	1.0	06/28/22	VP22F28A	06/28/22 20:07	VP22F28A	BRO
Polynuclear Aromati	ic Hydrocarbons (PNAs)				Aliqu	ot ID:	A09406-001	Matrix:	Soil/Solid		
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Method: EPA 3546/E	PA 8270E					Desc	ripuon.	TIM-12 (0-0.5)				
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Parameter(s)		Result	Q	Units	Reporting	Limit	Dilution	Prepa P. Date	P. Batch	A. Date	A Batch	
Parameter(s) 1. Acenaphthene	(SIM)	U	Q	μg/kg		Limit 330	Dilution	Prepa P. Date 07/03/22	P. Batch PS22G01I	A. Date 07/03/22 19:45	A Batch S622G03B	BDA
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Parameter(s) 1. Acenaphthene 2. Acenaphthylene 3. Anthracene (SII 4. Benzo(a)anthra 5. Benzo(a)pyrene 6. Benzo(b)fluorar 7. Benzo(ghi)peny 8. Benzo(k)fluorar 9. Chrysene (SIM) 10. Dibenzo(a,h)an 11. Fluoranthene (SIM)	(SIM) e (SIM) M) acene (SIM) e (SIM) nthene (SIM) nthene (SIM) nthene (SIM) nthene (SIM) otheracene (SIM) SIM)	U U U U U U U U	Q	µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg		Limit 330 330 330 330 330 330 330 330 330 33	20 20 20 20 20 20 20 20 20 20 20 20 20 2	Prepa P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011	A. Date 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45	A Batch S622G03B	80/80/80/80/80/80/80/80/80/80/80/80/80/8
Parameter(s) 1. Acenaphthene 2. Acenaphthylene 3. Anthracene (SII 4. Benzo(a)anthra 5. Benzo(a)pyrene 6. Benzo(b)fluorar 7. Benzo(ghi)pery 8. Benzo(k)fluorar 9. Chrysene (SIM) 10. Dibenzo(a,h)an 11. Fluoranthene (SIII) 12. Fluorene (SIM) 13. Indeno(1,2,3-cd)	(SIM) e (SIM) M) acene (SIM) e (SIM) nthene (SIM) nthene (SIM) nthene (SIM) othracene (SIM) SIM) d)pyrene (SIM)	U U U U U U U U	Q	µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg		Limit 330 330 330 330 330 330 330 330 330 33	20 20 20 20 20 20 20 20 20 20 20 20 20 2	Prepa P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011	A. Date 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45	A Batch S622G03B	BDA BDA BDA BDA BDA BDA BDA BDA BDA BDA
Parameter(s) 1. Acenaphthene 2. Acenaphthylene 3. Anthracene (SII 4. Benzo(a)anthra 5. Benzo(a)pyrene 6. Benzo(b)fluorar 7. Benzo(ghi)peryl 8. Benzo(k)fluorar 9. Chrysene (SIM) 10. Dibenzo(a,h)an 11. Fluoranthene (SIM) 12. Fluorene (SIM) 13. Indeno(1,2,3-cd 14. 2-Methylnaphth	(SIM) e (SIM) M) scene (SIM) e (SIM) nthene (SIM) nthene (SIM) nthene (SIM) otheracene (SIM) SIM) d)pyrene (SIM) salene (SIM)	U U U U U U U U U	Q	рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд рд/кд		Limit 330 330 330 330 330 330 330 330 330 33	Dilution 20 20 20 20 20 20 20 20 20 20 20 20 20	Prepa P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011	A. Date 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45 07/03/22 19:45	A Batch S622G03B	BDAABDAABDAABDAABDAABDAABDAABDAABDAABDA



Order: Date: A09406 07/12/22

207428 Chain of Custody: Client Identification: BLDI, Inc. Sample Description: HA-13 (7.5-8) Collect Date: 06/27/22 Lowell Soil Pile (225382.02) Sample No: Client Project Name: Collect Time: 09:21 Sample Matrix: Soil/Solid 225382.02 Client Project No: Soil results have been calculated and reported on a dry weight basis unless otherwise noted, Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Definitions: Water (Moisture) Content Dried at 105 ± 5°C Aliquot ID: A09406-002 Matrix: Soil/Solid Description: HA-13 (7.5-8) Method: ASTM D2216-10 Analysis Preparation P. Batch A. Date A. Batch Init P. Date Result Reporting Limit Dilution 0 Units Parameter(s) MC220630 AWW 06/30/22 MC220630 07/01/22 % 1.0 1. Percent Moisture (Water Content) Aliquot ID: A09406-002 Matrix: Soil/Solid Michigan 10 Elements by ICP/MS Method: EPA 0200.2/EPA 6020A Description: HA-13 (7.5-8) Analysis Preparation A. Batch Init P. Date P. Batch A. Date Q Units Reporting Limit Dilution Result Parameter(s) 07/01/22 PT22G01C 07/01/22 T422G01A JLH 4500 ua/ka 100 20 1. Arsenic T422G01A JLH 07/01/22 PT22G01C 07/01/22 1000 20 27000 µg/kg 2. Barium T422G01A JLH PT22G01C 07/01/22 50 20 07/01/22 330 3. Cadmium µg/kg T422G01A JLH 500 20 07/01/22 PT22G01C 07/01/22 17000 4. Chromium µg/kg T422G01A JLH 1000 07/01/22 PT22G01C 07/01/22 20 30000 µg/kg 5. Copper T422G01A JLH PT22G01C 07/01/22 1000 20 07/01/22 29000 µg/kg 6. Lead 20 07/01/22 PT22G01C 07/01/22 T422G01A JLH 220 200 7. Selenium µg/kg 07/01/22 PT22G01C 07/01/22 T422G01A JLH 20 100 8. Silver U µg/kg PT22G01C 07/01/22 T422G01A JLH 07/01/22 79000 µg/kg 1000 20 9. Zinc Matrix: Soil/Solid Aliquot ID: A09406-002 Mercury by CVAAS Method: EPA 7471B Description: HA-13 (7.5-8) Analysis Preparation Init. P Batch A Date A. Batch Units Reporting Limit Dilution P. Date Result Q Parameter(s) M722G05A JLH U 50 10 07/01/22 PM22G01D 07/05/22 ug/kg 1. Mercury Matrix: Soil/Solid Aliquot ID: A09406-002A Volatile Organic Compounds (VOCs) by GC/MS, 5035 Description: HA-13 (7.5-8) Method: EPA 5035A/EPA 8260D Preparation Analysis A. Date A. Batch Init. O Units Reporting Limit Dilution P. Date P. Batch Result Parameter(s) VP22F28A 06/28/22 20:33 VP22F28A BRC 06/28/22 1. Benzene U µg/kg 50 1.0 VP22F28A 06/28/22 20:33 VP22F28A BRC 1.0 06/28/22 U ug/kg 50 2. Ethylbenzene VP22F28A 06/28/22 20:33 VP22F28A BRC 330 1.0 06/28/22 U 3.2-Methylnaphthalene µg/kg VP22F28A 06/28/22 20:33 VP22F28A BRC U 250 1.0 06/28/22 4. MTBE μg/kg 06/28/22 20:33 VP22F28A BRC U 330 1.0 06/28/22 VP22F28A µg/kg 5. Naphthalene 06/28/22 20:33 VP22F28A BRC U 50 1.0 06/28/22 VP22F28A 6. Toluene µg/kg VP22F28A 06/28/22 20:33 VP22F28A BRC 06/28/22 U µg/kg 100 1.0 ‡ 7.1,2,3-Trimethylbenzene VP22F28A 06/28/22 20:33 VP22F28A BRC 100 1.0 06/28/22 U µg/kg 8. 1.2.4-Trimethylbenzene U 100 1.0 06/28/22 VP22F28A 06/28/22 20:33 VP22F28A BRC 9.1,3,5-Trimethylbenzene µg/kg Holt, MI 48842 T: (517) 699-0345 F: (517) 699-0388 1914 Holloway Drive F: (810) 220-3311 T: (810) 220-3300 11766 E. Grand River Brighton, MI 48116 F: (231) 775-8584 Cadillac, MI 49601 T: (231) 775-8368 8660 S. Mackinaw Trail



Order: Date:

Client Identification: BL	BLDI, Inc.			Sample De	escription	HA-13	(7.5-8)		Chair	n of Custody:	207428	
Client Project Name: Lo	well Soil Pile (225382.	02)	5	Sample No	D :				Colle	ect Date:	06/27/22	
Client Project No: 22	5382.02		5	Sample Ma	atrix:	Soil/So	olid		Colle	ect Time:	09:21	
Sample Comments: So	il results have been c	alculated	and repo	orted on a	dry weight	basis ı	unless otl	herwise noted.				
Definitions: Q:	Qualifier (see definition	ns at end o	of report)	NA: No	t Applicable	‡: Pa	rameter n	ot included in NEL	AC Scope of	Analysis,		
Volatile Organic Compo	unds (VOCs) by GC/M	S, 5035				Aliq	juot ID:	A09406-002A	Matrix:	Soil/Solid		
Method: EPA 5035A/EPA	A 8260D					Des	cription:	HA-13 (7.5-8)				
								Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting	g Limit	Dilution	P. Date	P. Batch	A. Date	A, Batch	Init
10, m&p-Xylene		U		µg/kg		100	1.0	06/28/22	VP22F28A	06/28/22 20:33	VP22F28A	BRC
11. o-Xylene		U		μg/kg	70	50	1.0	06/28/22	VP22F28A	06/28/22 20:33	VP22F28A	BRC
‡ 12 Xylenes		U		µg/kg		150	1.0	06/28/22	VP22F28A	06/28/22 20:33	VP22F28A	BRC
Polynuclear Aromatic Hy	ydrocarbons (PNAs)					Aliq	uot ID:	A09406-002	Matrix:	Soil/Solid		
Method: EPA 3546/EPA	8270E					Des	cription:	HA-13 (7.5-8)				
								Prepa	ration	An	alysis	
Parameter(s)	arameter(s) Result Q		Q	Units	Reporting	g Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM	1. Acenaphthene (SIM) U			μg/kg		330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
2. Acenaphthylene (SI	2. Acenaphthene (SIM) U			μg/kg		330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA

Method: EPA 3546/EPA 8270E				Des	cription: H	A-13 (7.5-8)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
2. Acenaphthylene (SIM)	υ		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
3. Anthracene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
4. Benzo(a)anthracene (SIM)	520		µg/kg	330	20	07/03/22	PS22G01l	07/03/22 20:12	S622G03B	BDA
5. Benzo(a)pyrene (SIM)	440	1	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
6, Benzo(b)fluoranthene (SIM)	770		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
7. Benzo(ghi)perylene (SIM)	540		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
8. Benzo(k)fluoranthene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
9. Chrysene (SIM)	420		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
11. Fluoranthene (SIM)	780		μg/kg	330	20	07/03/22	PS22G011	07/03/22 20:12	S622G03B	BDA
12, Fluorene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	450		µg/kg	330	20	07/03/22	PS22G01l	07/03/22 20:12	S622G03B	BDA
14.2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
15. Naphthalene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
16. Phenanthrene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA
17. Pyrene (SIM)	670		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 20:12	S622G03B	BDA



Order: Date:

Client Identification:	BLDI, Inc.		S	ample Des	cription: HA-14	(8-8.5)		Chair	of Custody:	207428	
Client Project Name:	Lowell Soil Pile (22538	2.02)	5	sample No:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		S	ample Mat	rix: Soil/So	olid		Colle	ct Time:	09:40	
Sample Comments:	Soil results have been	calculated :	and repo	rted on a	dry weight basis u	ınless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definiti				Applicable ‡:Pa			AC Scope of A	\nalysis.		
Definitions.	Q. Qualifier (See definition	ons at one o	птеропу	10.1101	, , , , , , , , , , , , , , , , , , , ,	TGITI OTOT TI			- N		
Water (Moisture) Co Method: ASTM D221	ntent Dried at 105 ± 5°C					uot ID: cription:	A09406-003 HA-14 (8-8.5)	Matrix: \$	Soil/Solid		
							Prepa			alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init
1. Percent Moistur	re (Water Content)	15		%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWV
Michigan 10 Elemen Method: EPA 0200.2	-					uot ID: cription:	A09406-003 HA-14 (8-8.5)	Matrix: \$	Soil/Solid		
							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P, Date	P. Batch	A. Date	A _, Batch	Init
1. Arsenic		11000		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2, Barium		61000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium		500		µg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
4. Chromium		34000		µg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5. Copper	A CHARLES	11000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
6. Lead		77000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
7. Selenium		370		µg/kg	200	10	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
8. Silver		210		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
9. Zinc		97000	38	μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS					Aliq	uot ID:	A09406-003	Matrix: \$	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-14 (8-8.5)				
		B II	0	11-4-	Describe Limit	Dilution	Prepa P. Data	ration P. Batch	An A. Date	alysis A. Batch	lnit.
Parameter(s) 1. Mercury		Result 280	Q	Units µg/kg	Reporting Limit	Dilution 10	P. Date 07/01/22	P. Baich PM22G01D		M722G05A	
1. WEIGUTY		200		Paria							
ū	mpounds (VOCs) by GC/	MS, 5035				uot ID:	A09406-003A HA-14 (8-8.5)	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 826UD				Des	спраоп.			Δn	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		ration P. Batch	A Date	A Batch	Init
1. Benzene		U		µg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 21:00	VP22F28A	BRO
2. Ethylbenzene		U		μg/kg	50	1,0	06/28/22		06/28/22 21:00		-
3.2-Methylnaphth	alene	U	Sq. (3)1 E	μg/kg	330	1.0	06/28/22		06/28/22 21:00		
4. MTBE		U		µg/kg	250	1.0	06/28/22		06/28/22 21:00		
5. Naphthalene		U		µg/kg	330	1.0	06/28/22		06/28/22 21:00		
6. Toluene		U		µg/kg	50	1.0	06/28/22		06/28/22 21:00		
‡ 7.1,2,3-Trimethyl	benzene	υ	S I A I S	µg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 21:00	VP22F28A	BR
8. 1,2,4-Trimethyl		U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 21:00	VP22F28A	BRO
9.1,3,5-Trimethyl	benzene	U		μg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 21:00	VP22F28A	BRO
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		-	48842 , MI 48116 MI 49601		T: (517) 699 T: (810) 226 T: (231) 77	0-3300	F: (8	517) 699-0388 310) 220-3311 231) 775-8584		



Order: Date:

Definitions	Q: Qualifier (see definitions at end of report	t) NA: Not Applicable	‡: Parameter not included in NELAC Sc	ope of Analysis.	
			4 B CONTRACTOR AND AND AND AND CO.		
Sample Comments:	Soil results have been calculated and re	ported on a dry weight			
Client Project No:	225382.02	Sample Matrix:	Soil/Solid	Collect Time:	09:40
Client Project Name:	Lowell Soil Pile (225382.02)	Sample No:		Collect Date:	06/27/22
Client Identification:	BLDI, Inc.	Sample Description:	HA-14 (8-8.5)	Chain of Custody:	207428

Method: EPA 5035A/EPA 8260D				Des	cription: H	A-14 (8-8.5)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A Date	A, Batch	Init
10. m&p-Xylene	U		µg/kg	100	1.0	06/28/22	VP22F28A	06/28/22 21:00	VP22F28A	BRC
11. o-Xylene	U		µg/kg	50	1.0	06/28/22	VP22F28A	06/28/22 21:00	VP22F28A	BRC
‡ 12, Xylenes	U		µg/kg	150	1.0	06/28/22	VP22F28A	06/28/22 21:00	VP22F28A	BRC

Polynuclear Aromatic Hydrocarbons (PNAs) Method: EPA 3546/EPA 8270E				•	uot ID: cription:	A09406-003 HA-14 (8-8.5)	Matrix: \$	Soil/Solid		
Metrod. EFA 3340/EFA 0270E						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A, Batch	Init.
1. Acenaphthene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
2. Acenaphthylene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
3. Anthracene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
4. Benzo(a)anthracene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
5. Benzo(a)pyrene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
6. Benzo(b)fluoranthene (SIM)	U		μg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
7. Benzo(ghi)perylene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
9. Chrysene (SIM)	U	H	µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
10, Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01l	07/03/22 20:40	S622G03B	BDA
11. Fluoranthene (SIM)	U		µg/kg	330	10	07/03/22	PS22G011	07/03/22 20:40	S622G03B	BDA
12, Fluorene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	U		µg/kg	330	10	07/03/22	PS22G011	07/03/22 20:40	S622G03B	BDA
14. 2-Methylnaphthalene (SIM)	U		μg/kg	330	10	07/03/22	PS22G01l	07/03/22 20:40	S622G03B	BDA
15. Naphthalene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
16. Phenanthrene (SIM)	U		µg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA
17. Pyrene (SIM)	U	JIT'N	μg/kg	330	10	07/03/22	PS22G01I	07/03/22 20:40	S622G03B	BDA



Orden Date:

207428

A09406 07/12/22

Chain of Custody: Sample Description: HA-15 (6.5-7) Client Identification: BLDI. Inc. 06/27/22 Collect Date: Client Project Name: Lowell Soil Pile (225382.02) Sample No: Collect Time: 09:51 Soil/Solid Sample Matrix: Client Project No: 225382.02 Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis, Definitions: Aliquot ID: A09406-004 Matrix: Soil/Solid Water (Moisture) Content Dried at 105 ± 5°C Description: HA-15 (6.5-7) Method: ASTM D2216-10 Preparation Analysis P. Batch A. Date A. Batch Init P. Date Parameter(s) Result Ω Units Reporting Limit Dilution MC220630 AWW 1.0 06/30/22 MC220630 07/01/22 3 % 1. Percent Moisture (Water Content) Matrix: Soil/Solid A09406-004 Michigan 10 Elements by ICP/MS Aliquot ID: Description: HA-15 (6.5-7) Method: EPA 0200.2/EPA 6020A Preparation Analysis A. Batch Init. Dilution P. Date P. Batch A. Date Result Q Units Reporting Limit Parameter(s) PT22G01C 07/01/22 T422G01A JLH 100 20 07/01/22 1. Arsenic 2600 µg/kg T422G01A JLH 07/01/22 PT22G01C 07/01/22 38000 1000 20 µg/kg 2. Barium T422G01A JLH 20 07/01/22 PT22G01C 07/01/22 50 3. Cadmium 230 µg/kg 07/01/22 PT22G01C 07/01/22 T422G01A JLH 500 20 4. Chromium 18000 µg/kg T422G01A JLH PT22G01C 07/01/22 31000 1000 20 07/01/22 5. Copper µg/kg 07/01/22 PT22G01C 07/01/22 T422G01A JLH 18000 1000 20 ug/kg 6 Lead T422G01A JLH 20 07/01/22 PT22G01C 07/01/22 200 7. Selenium 230 µg/kg T422G01A JLH 07/01/22 07/01/22 PT22G01C 8. Silver µg/kg 100 20 T422G01A JLH 99000 1000 20 07/01/22 PT22G01C 07/01/22 9. Zinc µg/kg Matrix: Soil/Solid Aliquot ID: A09406-004 Mercury by CVAAS Description: HA-15 (6.5-7) Method: EPA 7471B Analysis Preparation P. Batch A. Date A. Batch Init. Units Reporting Limit Dilution P. Date Result Q Parameter(s) 50 10 07/01/22 PM22G01D 07/05/22 M722G05A JLH µg/kg 1. Mercury Aliquot ID: A09406-004A Matrix: Soil/Solid Volatile Organic Compounds (VOCs) by GC/MS, 5035 Method: EPA 5035A/EPA 8260D Description: HA-15 (6.5-7) Preparation Analysis Dilution P. Date P. Batch A. Date A. Batch Result Ω Units Reporting Limit Parameter(s) VP22F29A 06/29/22 16:17 VP22F29A BRC µg/kg 50 1.0 06/29/22 1. Benzene VP22F29A 06/29/22 16:17 VP22F29A BRC U 50 1.0 06/29/22 2. Ethylbenzene µg/kg VP22F29A 06/29/22 16:17 VP22F29A BRC 1.0 06/29/22 U 330 3.2-Methylnaphthalene µg/kg 06/29/22 16:17 VP22F29A BRC 250 1.0 06/29/22 VP22F29A U 4. MTBE µg/kg 330 06/29/22 VP22F29A 06/29/22 16:17 VP22F29A BRC 1.0 u 5. Naphthalene µg/kg 06/29/22 VP22F29A 06/29/22 16:17 VP22F29A BRC U µg/kg 50 1.0 6. Toluene VP22F29A 06/29/22 16:17 VP22F29A BRC 100 1.0 06/29/22 µg/kg 7.1,2,3-Trimethylbenzene 06/29/22 VP22F29A 06/29/22 16:17 VP22F29A BRC U 100 1.0 8.1,2,4-Trimethylbenzene µg/kg 06/29/22 VP22F29A 06/29/22 16:17 VP22F29A BRC U µg/kg 100 1.0 9.1,3,5-Trimethylbenzene T: (517) 699-0345 F: (517) 699-0388 Holt, MI 48842 1914 Holloway Drive F: (810) 220-3311 11766 E. Grand River Brighton, MI 48116 T: (810) 220-3300 T: (231) 775-8368 F: (231) 775-8584 8660 S. Mackinaw Trail Cadillac, MI 49601

Report Created: 07/12/2022 04:05 PM DCSID: G-610.21 (04/06/22)

lab@fibertec.us

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Order: Date: A09406 07/12/22

Chain of Custody: 207428 Client Identification: BLDI, inc. Sample Description: HA-15 (6.5-7) Collect Date: 06/27/22 Client Project Name: Lowell Soil Pile (225382.02) Sample No: Soil/Solid Collect Time: 09:51 225382.02 Sample Matrix: Client Project No: Soil results have been calculated and reported on a dry weight basis unless otherwise noted. Sample Comments: Q: Qualifier (see definitions at end of report) NA: Not Applicable ‡: Parameter not included in NELAC Scope of Analysis. Definitions: Volatile Organic Compounds (VOCs) by GC/MS, 5035 Aliquot ID: A09406-004A Matrix: Soil/Solid Method: EPA 5035A/EPA 8260D Description: HA-15 (6.5-7) Preparation Analysis A. Batch P. Batch A. Date Init. Reporting Limit Dilution P. Date Result Units Parameter(s) Q VP22F29A 06/29/22 16:17 VP22F29A BRC U µg/kg 100 1.0 06/29/22 10. m&p-Xylene VP22F29A 06/29/22 16:17 VP22F29A BRC U 50 1.0 06/29/22 11. o-Xylene µg/kg VP22F29A 06/29/22 16:17 VP22F29A BRC 06/29/22 ‡ 12. Xylenes U µg/kg 150 1.0

Polynuclear Aromatic Hydrocarbons (PNAs)					uot ID:	A09406-004	Matrix:	Soil/Solid		
Method: EPA 3546/EPA 8270E				Des	cription:	HA-15 (6.5-7)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A, Date	A Batch	Init
1. Acenaphthene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
2. Acenaphthylene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
4, Benzo(a)anthracene (SIM)	1300		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
5. Benzo(a)pyrene (SIM)	1700	311	μg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
6. Benzo(b)fluoranthene (SIM)	2900		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
7. Benzo(ghi)perylene (SIM)	2000	. 30	μg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
8. Benzo(k)fluoranthene (SIM)	820		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
9. Chrysene (SIM)	1700		μg/kg	330	20	07/03/22	P\$22G01I	07/03/22 21:08	S622G03B	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01l	07/03/22 21:08	S622G03B	BDA
11. Fluoranthene (SIM)	2800		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
12. Fluorene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01l	07/03/22 21:08	S622G03B	BDA
13. indeno(1,2,3-cd)pyrene (SIM)	1700	SATI	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
14. 2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01l	07/03/22 21:08	S622G03B	BDA
15. Naphthalene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA
16. Phenanthrene (SIM)	1000		μg/kg	330	20	07/03/22	PS22G01l	07/03/22 21:08	S622G03B	BDA
17. Pyrene (SIM)	2500		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 21:08	S622G03B	BDA

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584



Order: Date:

Client Identification: BLDI, Inc. Client Project Name: Lowell Soil Pile (225382.02)			5	Sample Des	scription: HA-16	(5.5-6)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (22538)	2.02)	5	Sample No:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		5	Sample Mat	rix: Soil/So	olid		Colle	ct Time:	10:06	
Sample Comments:	Soil results have been	calculated a	and repe	orted on a	drv weight basis (unless oth	herwise noted.				
	Q: Qualifier (see definition						ot included in NEL	AC Scope of A	Analysis		
Definitions:	Q. Quanner (see definition	ons at end t	n report)	NA. NOL	Applicable +.1 a		iot moraded in 1421	3.10 GGGPG GF7	analysis,		
Water (Moisture) Cor	ntent Dried at 105 ± 5°C				Aliq	uot ID:	A09406-005	Matrix:	Soil/Solid		
Method: ASTM D2216					Des	cription:	HA-16 (5.5-6)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		ration P, Batch	A A, Date	nalysis A Batch	Init
‡ 1. Percent Moisture	e (Water Content)	2		%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWW
Michigan 10 Element	s by ICP/MS				Alio	uot ID:	A09406-005	Matrix: S	Soil/Solid		
Method: EPA 0200.2/	•						HA-16 (5.5-6)				
							Prepa	ration	А	nalysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A Date	A. Batch	lnit,
1. Arsenic		2600		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2. Barium		46000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium	To the second	270	14	µg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
4. Chromium		33000		µg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5. Copper		50000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
6. Lead		47000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
7. Selenium		230		µg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
8. Silver		U		µg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	
9. Zinc		150000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS						uot ID:	A09406-005	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-16 (5.5-6)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	·	ration P _e Batch	A Date	nalysis A Batch	Init
1. Mercury		U	NATE.	µg/kg	50	10	07/01/22	PM22G01D	07/05/22	M722G05A	JLH
Volatile Organic Com	npounds (VOCs) by GC/I	VIS, 5035			Alic	juot ID:	A09406-005A	Matrix:	Soil/Solid		
Method: EPA 5035A/	EPA 8260D				Des	cription:	HA-16 (5.5-6)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		aration P. Batch	A. Date	nalysis A, Batch	Init
1. Benzene		U	USTAIN	µg/kg	50	1.0	06/29/22		06/29/22 16:4	4 VP22F29A	BRC
2. Ethylbenzene		U	- THE P.	µg/kg	50	1.0	06/29/22		06/29/22 16:4		
‡ 3.2-Methylnaphtha	alene	U	11000	µg/kg	330	1.0	06/29/22	VP22F29A	06/29/22 16:4	4 VP22F29A	BRC
4. MTBE		U		µg/kg	250	1.0	06/29/22		06/29/22 16:4		1000
5. Naphthalene	SWEET, I	U		µg/kg	330	1.0	06/29/22		06/29/22 16:4		
6. Toluene		U		μg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 16:4	4 VP22F29A	BRO
‡ 7.1,2,3-Trimethylb	enzene	U	100	µg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 16:4	4 VP22F29A	BRO
8. 1,2,4-Trimethylb		U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 16:4	4 VP22F29A	BRO
9.1,3,5-Trimethylb		U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 16:4	4 VP22F29A	BRO
	1914 Holloway Drive		Holt, MI	48842		T: (517) 69:	9-0345	F: (5	517) 699-0388		
	11766 E. Grand River			, MI 48116		T: (810) 220		F: (8	310) 220-3311		
	8660 S. Mackinaw Trail		Cadillac,	MI 49601		T: (231) 77	5-8368	F: (2	231) 775-8584		



Order: Date:

Client Identification:	BLDI, Inc.		:	Sample De	scription:	HA-16	(5.5-6)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (22	5382.02)	:	Sample No	ı:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		;	Sample Ma	itrix:	Soil/So	lid		Colle	ct Time:	10:06	
Sample Comments:	Soil results have be	een calculated a	and rep	orted on a	dry weight	basis u	nless oth	nerwise noted.				
Definitions:	Q: Qualifier (see de	finitions at end o	f report)	NA: Not	t Applicable	‡:Pa	rameter n	ot included in NEL	AC Scope of	Analysis.		
Volatile Organic Cor	mpounds (VOCs) by	GC/MS, 5035				Aliq	uot ID:	A09406-005A	Matrix:	Soil/Solid		-
Method: EPA 5035A	/EPA 8260D					Des	cription;	HA-16 (5.5-6)				
								Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting	Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	1nit
10, m&p-Xylene		U		μg/kg		100	1.0	06/29/22	VP22F29A	06/29/22 16:44	VP22F29A	BRC
11. o-Xylene	1 3 3	U		µg/kg		50	1.0	06/29/22	VP22F29A	06/29/22 16:44	VP22F29A	BRC
‡ 12 Xylenes		U		µg/kg		150	1.0	06/29/22	VP22F29A	06/29/22 16:44	VP22F29A	BRC
Polynuclear Aromat	ic Hydrocarbons (PN	As)				Aliq	uot ID:	A09406-005	Matrix:	Soil/Solid		
Method: EPA 3546/E	PA 8270E					Des	cription:	HA-16 (5.5-6)				
								Prepa	ration		alysis	
Parameter(s)		Result	Q	Units	Reporting	Limit	Dilution	P. Date	P, Batch	A Date	A. Batch	Init.
1. Acenaphthene	(SIM)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 21:35	S622G03B	BDA
2. Acenaphthylene	e (SIM)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 21:35	S622G03B	BDA
3. Anthracene (SI	M)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 21:35		
4. Benzo(a)anthra	cene (SIM)	580		µg/kg		330	20	07/03/22	PS22G01I		-	_
5. Benzo(a)pyrene	e (SIM)	650		µg/kg	4 - J	330	20	07/03/22		07/03/22 21:35		
6. Benzo(b)fluorar	nthene (SIM)	1100		µg/kg		330	20	07/03/22		07/03/22 21:35		
7. Benzo(ghi)pery	lene (SIM)	830		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 21:35		90000
8. Benzo(k)fluorar	nthene (SIM)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 21:35		
9. Chrysene (SIM)		650		µg/kg		330	20	07/03/22	PS22G01I			
10. Dibenzo(a,h)an	thracene (SIM)	U		µg/kg		330	20	07/03/22		07/03/22 21:35		
11. Fluoranthene (S	SIM)	1300		µg/kg		330	20	07/03/22		07/03/22 21:35		
12. Fluorene (SIM)		U		µg/kg		330	20	07/03/22		07/03/22 21:35		
13. indeno(1,2,3-co	d)pyrene (SIM)	680		µg/kg		330	20	07/03/22		07/03/22 21:35		
14. 2-Methylnaphth	nalene (SIM)	υ		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 21:35	S622G03B	BDA
15. Naphthalene (S	SIM)	U		µg/kg		330	20	07/03/22		07/03/22 21:35		
						330	20	07/03/22	PS22G011	07/03/22 21:35	S622G03B	BDA
16. Phenanthrene	(SIM)	460		µg/kg		330	20	01700722	1 0220011	OTTOOTEE ET.OO	OCELOUD	



Order. Date:

Client Identification:	BLDI, Inc.		S	ample Des	cription: HA-17	(4-4.5)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (2253	82.02)	S	ample No:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		s	ample Mat	rix: Soil/So	olid		Colle	ct Time:	10:23	
Sample Comments:	Soil results have beer	n calculated a	and repo	rted on a	dry weight basis i	unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see defini	tions at end o	f report)	NA: Not	Applicable ‡: Pa	rameter n	ot included in NEL	AC Scope of A	Analysis.		
Water (Moisture) Co Method: ASTM D221	ntent Dried at 105 ± 5°C 6-10					uot ID: cription:	A09406-006 HA-17 (4-4.5)	Matrix: 3	Soil/Solid		
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	An A. Date	alysis A Batch	lnit,
‡ 1. Percent Moistui	re (Water Content)	3	N.	%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWV
Michigan 10 Elemen Method: EPA 0200.2						uot ID:	A09406-006 HA-17 (4-4.5)	Matrix: \$	Soil/Solid		
							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A, Date	A. Batch	Init.
1. Arsenic		3000	11-77	µg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2 Barium		32000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium	A LINE TO STATE	350		µg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	-
4. Chromium		18000		µg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	
5. Copper		20000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	
6. Lead		38000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	
7. Selenium		310		µg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	
8. Silver		U		µg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	-
9. Zinc		78000	131123	µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS					Alic	uot ID:	A09406-006	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-17 (4-4.5)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		ration P. Batch	An A, Date	alysis A, Batch	lnit,
1. Mercury		U	5.	µg/kg	50	10	07/01/22	PM22G01D	07/05/22	M722G05A	JLH
Volatile Organic Cor	mpounds (VOCs) by GC	/MS, 5035			Alic	juot ID:	A09406-006A	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 8260D				Des	cription:	HA-17 (4-4.5)				_
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		ration P. Batch	Ar A Date	alysis A. Batch	Init
1. Benzene		U		µg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BRO
2. Ethylbenzene		U		µg/kg	50	1.0	06/29/22		06/29/22 17:11		_
3. 2-Methylnaphth	alene	U	5 100	µg/kg	330	1.0	06/29/22		06/29/22 17:11		
4. MTBE		U	200	μg/kg	250	1.0	06/29/22		06/29/22 17:11		
5. Naphthalene		U	1174.58	µg/kg	330	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BRO
6, Toluene		85		μg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BRO
‡ 7. 1,2,3-Trimethyli	benzene	U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BRO
8.1,2,4-Trimethyl		U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BR
9. 1,3,5-Trimethyli	benzene	U	F. 78	μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BR
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail			48842 MI 48116 MI 49601		T: (517) 69: T: (810) 22: T: (231) 77.	0-3300	F: (8	517) 699-0388 810) 220-3311 231) 775-8584		



Order. Date:

A09406 07/12/22

Client Identification:	BLDI, Inc.		S	Sample De	escription:	HA-17	(4-4.5)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (22538	2.02)	S	Sample No) :				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		S	Sample Ma	atrix:	Soil/Sc	olid		Colle	ct Time:	10:23	
Sample Comments:	Soil results have been	calculated a	and repo	rted on a	dry weight	basis ι	ınless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definiti	ions at end o	of report)	NA: No	t Applicable	‡: Pa	rameter n	ot included in NEL	AC Scope of	Analysis.		
Volatile Organic Com	pounds (VOCs) by GC/	MS, 5035					uot ID:	A09406-006A	Matrix:	Soil/Solid		
Method: EPA 5035A/E	EPA 8260D					Des	cription:	HA-17 (4-4.5)				
Parameter(s)		Result	Q	Units	Reporting	Limit	Dilution		ration P. Batch	An A. Date	alysis A. Batch	Init.
10, m&p-Xylene		110		µg/kg		100	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BRC
11. o-Xylene		76	HIGHE	µg/kg		50	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BRC
‡ 12. Xylenes	Y I I I See A I I I	190		µg/kg		150	1.0	06/29/22	VP22F29A	06/29/22 17:11	VP22F29A	BRO
Polynuclear Aromatic	: Hydrocarbons (PNAs)						uot ID:	A09406-006	Matrix:	Soil/Solid		
Method: EPA 3546/EP	PA 8270E					Des	cription:	HA-17 (4-4.5)				
Da(a)		Pacult	0	Unite	Reporting	Limit	Dilution	Prepa P Date			alysis A Batch	lnit.
Parameter(s)		Result	Q	Units	Reporting		Dilution	P. Date	P, Batch	A. Date	A. Batch	
1. Acenaphthene (S		U	Q	μg/kg	Reporting	330	20	P. Date 07/03/22	P, Batch PS22G01I	A. Date 07/03/22 22:03	A. Batch S622G03B	BDA
1. Acenaphthene (S	(SIM)	U U	Q	μg/kg μg/kg	Reporting	330 330	20 20	P. Date 07/03/22 07/03/22	P. Batch PS22G01I PS22G01I	A. Date 07/03/22 22:03 07/03/22 22:03	A. Batch S622G03B S622G03B	BD/
Acenaphthene (S Acenaphthylene Anthracene (SIM	(SIM)	U U	Q	µg/kg µg/kg µg/kg	Reporting	330 330 330	20 20 20	P. Date 07/03/22 07/03/22 07/03/22	P. Batch PS22G01I PS22G01I PS22G01I	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A. Batch S622G03B S622G03B S622G03B	BDA BDA
Acenaphthene (S Acenaphthylene Anthracene (SIM Benzo(a)anthracene	(SIM) I) ene (SIM)	U U U 600	Q	µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330	20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G01I PS22G01I PS22G01I PS22G01I	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A. Batch S622G03B S622G03B S622G03B	BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrac 5. Benzo(a)pyrene ((SIM) I) ene (SIM) (SIM)	U U U 600 650	Q	µg/kg µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330 330	20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A. Batch S622G03B S622G03B S622G03B S622G03B S622G03B	BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrace 5. Benzo(a)pyrene (6. Benzo(b)fluoranti	(SIM) I) Lene (SIM) (SIM) Lene (SIM)	U U U 600 650 1100	Q	µg/kg µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330 330 330	20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011 PS22G011 PS22G011 PS22G011 PS22G011	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B S622G03B S622G03B S622G03B S622G03B	BDA BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrac 5. Benzo(a)pyrene (6. Benzo(b)fluorant 7. Benzo(ghi)peryle	(SIM) i) ene (SIM) (SIM) thene (SIM) ene (SIM)	U U 600 650 1100 750	Q	µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330 330 330 330	20 20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011 PS22G011 PS22G011 PS22G011 PS22G011 PS22G011 PS22G011	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B S622G03B S622G03B S622G03B S622G03B S622G03B S622G03B	BDA BDA BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrace 5. Benzo(a)pyrene 6. Benzo(b)fluorant 7. Benzo(ghi)peryle 8. Benzo(k)fluorant	(SIM) i) ene (SIM) (SIM) thene (SIM) ene (SIM)	U U 600 650 1100 760	Q	µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330 330 330 330 330	20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B S622G03B S622G03B S622G03B S622G03B S622G03B S622G03B	BDA BDA BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrace 5. Benzo(a)pyrene 6. Benzo(b)fluorant 7. Benzo(ghi)peryle 8. Benzo(k)fluorant 9. Chrysene (SIM)	(SIM) I) Inene (SIM) (SIM) Inene (SIM) Inene (SIM) Inene (SIM) Inene (SIM)	U U 600 650 1100 750 U	Q	pg/kg pg/kg pg/kg pg/kg pg/kg pg/kg pg/kg pg/kg	Reporting	330 330 330 330 330 330 330	20 20 20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I PS22G01I	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B S622G03B S622G03B S622G03B S622G03B S622G03B S622G03B S622G03B	BDA BDA BDA BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrace 5. Benzo(a)pyrene 6. Benzo(b)fluoranti 7. Benzo(ghi)peryle 8. Benzo(k)fluoranti 9. Chrysene (SIM) 10. Dibenzo(a,h)antr	(SIM) I) Inene (SIM) Inene (SIM) Inene (SIM) Inene (SIM) Inene (SIM) Inene (SIM)	U U 600 650 1100 750 U 610	Q	µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330 330 330 330 330 330	20 20 20 20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G01I	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B	BDA BDA BDA BDA BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrace 5. Benzo(a)pyrene 6. Benzo(b)fluorant 7. Benzo(ghi)peryle 8. Benzo(k)fluorant 9. Chrysene (SIM) 10. Dibenzo(a,h)ant 11. Fluoranthene (SI	(SIM) I) Inene (SIM) Inene (SIM) Inene (SIM) Inene (SIM) Inene (SIM) Inene (SIM)	U U 600 650 1100 750 U 610 U	Q	µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330 330 330 330 330 330	20 20 20 20 20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B	BDA BDA BDA BDA BDA BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrace 5. Benzo(a)pyrene 6. Benzo(b)fluoranti 7. Benzo(ghi)peryle 8. Benzo(k)fluoranti 9. Chrysene (SIM) 10. Dibenzo(a,h)anti 11. Fluoranthene (SI	(SIM) I) I) Inene (SIM) I) Inene (SIM)	U U 600 650 1100 750 U 610		µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg µg/kg	Reporting	330 330 330 330 330 330 330 330 330 330	20 20 20 20 20 20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B	BDA BDA BDA BDA BDA BDA BDA BDA BDA
1. Acenaphthene (S 2. Acenaphthylene 3. Anthracene (SIM 4. Benzo(a)anthrace 5. Benzo(a)pyrene 6. Benzo(b)fluorant 7. Benzo(ghi)peryle 8. Benzo(k)fluorant 9. Chrysene (SIM) 10. Dibenzo(a,h)ant 11. Fluoranthene (SI	(SIM) I) ene (SIM) (SIM) thene (SIM) ene (SIM) hene (SIM) hene (SIM) hracene (SIM) M)	U U 600 650 1100 750 U 610 U 970	Q	Hg/kg Hg/kg Hg/kg Hg/kg Hg/kg Hg/kg Hg/kg Hg/kg Hg/kg Hg/kg	Reporting	330 330 330 330 330 330 330 330 330 330	20 20 20 20 20 20 20 20 20 20 20 20	P. Date 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22 07/03/22	P. Batch PS22G011	A. Date 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03 07/03/22 22:03	A Batch S622G03B	BDAA BDAA BDAA BDAA BDAA BDAA BDAA BDAA

330

330

20

20

07/03/22

07/03/22

µg/kg

µg/kg

430

890

PS22G01I 07/03/22 22:03 S622G03B BDA

PS22G01I 07/03/22 22:03 S622G03B BDA

16. Phenanthrene (SIM)

17. Pyrene (SIM)



Order. Date:

Client Identification:	Pl Di Inc		9	ample Des	cription: HA-18	(3.5-4)		Chair	n of Custody:	207428	
Client Identification:	BLDI, Inc.				cription. TIA-10	(0.0-4)					
Client Project Name:	Lowell Soil Pile (2253	82.02)	S	ample No:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		S	ample Mat	rix: Soil/So	olid		Colle	ct Time:	10:31	
Sample Comments:	Soil results have been	n calculated a	and repo	rted on a o	dry weight basis i	unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see defini	itions at end o	f report)	NA: Not	Applicable ‡:Pa	rameter n	ot included in NEL	AC Scope of A	Analysis,		
Water (Moisture) Co	ntent Dried at 105 ± 5°C				Aliq	uot ID:	A09406-007	Matrix: S	Soil/Solid		-
Method: ASTM D221					Des	cription:	HA-18 (3.5-4)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	Ana A Date	alysis A, Batch	lnit,
1. Percent Moistur	re (Water Content)	2	10	%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWV
Michigan 10 Elemen Method: EPA 0200.2	-					juot ID:	A09406-007 HA-18 (3.5-4)	Matrix: \$	Soil/Solid		
							Prepa	ration	Ana	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A. Date	A. Batch	Init.
1. Arsenic		3300		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2. Barium		31000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium	STATE OF THE PARTY.	210	F US	μg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
4. Chromium		13000		µg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5. Copper		21000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
6. Lead		16000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLF
7. Selenium		U	VIII.	µg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
8, Silver		U		µg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
9. Zinc	100	58000	AV78	µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS						uot ID:	A09406-007	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-18 (3.5-4)	_			
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		ration P. Batch	An A. Date	alysis A. Batch	Init
1. Mercury		U	577	µg/kg	50	10	07/01/22	PM22G01D	07/05/22	M722G05A	JLH
Volatile Organic Cor	mpounds (VOCs) by GO	MS. 5035			Alic	quot ID:	A09406-007A	Matrix:	Soil/Solid		
Method: EPA 5035A					Des	scription:	HA-18 (3.5-4)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		ration P. Batch	An A, Date	alysis A. Batch	lnit,
1. Benzene		U		µg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BRO
2. Ethylbenzene		U		µg/kg	50	1.0	06/29/22		06/29/22 17:37		
‡ 3.2-Methylnaphth	alene	U	79.5	µg/kg	330	1.0	06/29/22		06/29/22 17:37		
4. MTBE	100	U		μg/kg	250	1,0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BRO
5. Naphthalene		U		µg/kg	330	1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BR
6. Toluene		U		μg/kg	50	1.0	06/29/22		06/29/22 17:37		
‡ 7. 1,2,3-Trimethyll	benzene	U		μg/k g	100	1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BR
8. 1,2,4-Trimethyll		U		µg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BR
9. 1,3,5-Trimethyli		U	Talling	µg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BR
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		-	48842 MI 48116 MI 49601		T: (517) 69! T: (810) 22(T: (231) 77.	0-3300	F: (8	517) 699-0388 310) 220-3311 231) 775-8584		



Order. Date:

Client Identification:	BLDI, Inc.		8	Sample De	scription: H	IA-18 (3.5-4)		Chai	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (22538	2.02)	5	Sample No	:			Colle	ct Date:	06/27/22	
Client Project No:	225382.02		S	Sample Ma	trix: S	oil/Solid		Colle	ct Time:	10:31	
Sample Comments:	Soil results have been	calculated	and repo	orted on a	dry weight b	asis unless c	therwise noted.				
Definitions:	Q: Qualifier (see definiti	ions at end o	of report)	NA: Not	Applicable	‡: Parameter	not included in NEI	AC Scope of	Analysis		
Volatile Organic Co	mpounds (VOCs) by GC/	MS, 5035				Aliquot ID:	A09406-007A	Matrix:	Soil/Solid		_
Method: EPA 5035A	/EPA 8260D					Description	: HA-18 (3.5-4)				
							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting L	_imit Dilutio	n P Date	P. Batch	A. Date	A. Batch	Init
10, m&p-Xylene		U		μg/kg		100 1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BR
11. o-Xylene	The state of the state of	U		µg/kg		50 1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BR
‡ 12. Xylenes		U		µg/kg		150 1.0	06/29/22	VP22F29A	06/29/22 17:37	VP22F29A	BR
Polynuclear Aromat	ic Hydrocarbons (PNAs)					Aliquot ID:	A09406-007	Matrix:	Soil/Solid		
Method: EPA 3546/E	EPA 8270E					Description	: HA-18 (3.5-4)				
							Prepa			alysis	

Method: EPA 3546/EPA 8270E				Des	cription: H	A-18 (3.5-4)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A Batch	Init
1. Acenaphthene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
2. Acenaphthylene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
3. Anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
4. Benzo(a)anthracene (SIM)	530		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
5. Benzo(a)pyrene (SIM)	460		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BD/
6. Benzo(b)fluoranthene (SIM)	810		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
7. Benzo(ghi)perylene (SIM)	520	- 72	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
8. Benzo(k)fluoranthene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
9. Chrysene (SIM)	440	V D	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
11. Fluoranthene (SIM)	910		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BD/
12. Fluorene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	450	1118	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
14, 2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
15. Naphthalene (SIM)	U	1.0	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
16. Phenanthrene (SIM)	380		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA
17. Pyrene (SIM)	760	V	μg/kg	330	20	07/03/22	PS22G01I	07/03/22 22:31	S622G03B	BDA



Report Created: 07/12/2022 04:05 PM DCSID: G-610.21 (04/06/22)

Analytical Laboratory Report Laboratory Project Number: A09406 Laboratory Sample Number: A09406-008

Order: Date:

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A09406 07/12/22

Client Identification:	BLDI, Inc.		S	ample Des	cription: HA-19	(2.5-3)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (22538	2.02)	S	ample No:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		s	ample Mat	rix: Soil/So	olid		Colle	ct Time:	10:42	
Sample Comments:	Soil results have been	calculated a	and repo	rted on a o	Iry weight basis (ınless otl	nerwise noted.				
Definitions:	Q: Qualifier (see definiti	ions at end o	f report)	NA: Not	Applicable ‡: Pa	rameter n	ot included in NEL	AC Scope of A	Analysis.		
Water (Moisture) Co Method: ASTM D221	ntent Dried at 105 ± 5°C 6-10					uot ID: cription:	A09406-008 HA-19 (2.5-3)	Matrix: \$	Soil/Solid		
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	An A, Date	alysis A. Batch	Init
	re (Water Content)	3		%		1.0	06/30/22	MC220630	07/01/22	MC220630	AWW
					Atia	wat ID:	A09406-008	Matrix: 9	Soil/Solid		_
Michigan 10 Elemen Method: EPA 0200.2						uot ID: cription:	HA-19 (2.5-3)	Width.	30111301114		
111001001 217102012							Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P, Batch	A. Date	A, Batch	Init.
1. Arsenic		3400		µg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2. Barium		34000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium		310	010 E	µg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
4. Chromium		17000		µg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5 Copper	PARTITION IN	27000	100	µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
6. Lead		22000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
7. Selenium		U	150 10	µg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
8 Silver	The second second second	U		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
9. Zinc		110000	ishii-	μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS					Alic	uot ID:	A09406-008	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-19 (2.5-3)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	-	ration P. Batch	An A, Date	alysis A Batch	Init,
1. Mercury	S. 152811 . a. 1	U	178	μg/kg	50	10	07/01/22	PM22G01D	07/05/22	M722G05A	JLH
Volatila Organic Cor	npounds (VOCs) by GC/	MS 5035	-		Alic	uot ID:	A09406-008A	Matrix:	Soil/Solid		
Method: EPA 5035A							HA-19 (2.5-3)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		eration P. Batch	Ar A. Date	alysis A. Batch	lnit
	(1000000000000000000000000000000000000		.		50	1.0	06/29/22		06/29/22 18:04		BRC
1. Benzene	وإنجالينا والارد	U	4/100	µg/kg	50	1.0	06/29/22		06/29/22 18:04		
2. Ethylbenzene	olone	U		µg/kg µg/kg	330	1.0	06/29/22		06/29/22 18:04		
‡ 3.2-Methylnaphth 4.MTBE	au CIU	U	11 - 3	µg/kg	250	1.0	06/29/22		06/29/22 18:04		
5. Naphthalene		U		µg/kg	330	1.0	06/29/22		06/29/22 18:04		
6. Toluene		U		µg/kg	50	1.0	06/29/22		06/29/22 18:04		
‡ 7.1,2,3-Trimethyl	benzene	U		µg/kg	100	1.0	06/29/22		06/29/22 18:04		
8. 1,2,4-Trimethyl		U	75.00	µg/kg	100	1.0	06/29/22		06/29/22 18:04		
9. 1,3,5-Trimethyl		U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 18:04	VP22F29A	BRO
,-,-,	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail					T: (517) 69 T: (810) 22 T: (231) 77	0-3300	F: (8	517) 699-0388 810) 220-3311 231) 775-8584		

lab@fibertec.us



Order. Date: A09406 07/12/22

Client Identification:	BLDI, Inc.		8	Sample De	escription:	HA-19	(2.5-3)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (225	5382.02)	S	Sample No	o :				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		8	Sample Ma	atrix:	Soil/So	olid		Colle	ct Time:	10:42	
Sample Comments:	Soil results have be	en calculated a	and repo	rted on a	dry weight	basis ı	ınless oth	nerwise noted.				
Definitions:	Q: Qualifier (see def	initions at end o	f report)	NA: No	t Applicable	‡:Pa	rameter n	ot included in NEL	AC Scope of A	Analysis,		
Volatile Organic Cor	npounds (VOCs) by G	GC/MS, 5035				Aliq	uot ID:	A09406-008A	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 8260D					Des	cription:	HA-19 (2.5-3)				
								Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting	Limit	Dilution	P. Date	P. Batch	A Date	A Batch	Init
10, m&p-Xylene		U		μg/kg		100	1.0	06/29/22	VP22F29A	06/29/22 18:04	VP22F29A	BRC
11. o-Xylene		U	5 T.	μg/kg		50	1.0	06/29/22	VP22F29A	06/29/22 18:04	VP22F29A	BRC
‡ 12, Xylenes		U		μg/kg		150	1.0	06/29/22	VP22F29A	06/29/22 18:04	VP22F29A	BRC
Polynuclear Aromati	ic Hydrocarbons (PNA	As)				Aliq	uot ID:	A09406-008	Matrix:	Soil/Solid		
Method: EPA 3546/E	PA 8270E					Des	cription:	HA-19 (2.5-3)				
								Prepa	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting	Limit	Dilution	P. Date	P. Batch	A. Date	A Batch	Init,
1. Acenaphthene	(SIM)	U		μg/kg		330	20	07/03/22	PS22G01l	07/03/22 22:58	S622G03B	BDA
2. Acenaphthylene	e (SIM)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
3. Anthracene (SII	M)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
4. Benzo(a)anthra	icene (SIM)	1300		μg/kg		330	20	07/03/22	PS22G01l	07/03/22 22:58	S622G03B	BDA
5. Benzo(a)pyrene	(SIM)	1700	1000	µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
6. Benzo(b)fluorar	nthene (SIM)	3000		μg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
7. Benzo(ghi)pery	lene (SIM)	1700	17.0	µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
8. Benzo(k)fluorar	nthene (SIM)	790		μg/kg		330	20	07/03/22	PS22G01l	07/03/22 22:58	S622G03B	BDA
9. Chrysene (SIM)	Name of the Automatic	1800		μg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
10. Dibenzo(a,h)an	thracene (SIM)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
11. Fluoranthene (S	SIM)	3400	J.D'e	μg/kg	N. M. S	330	20	07/03/22	PS22G01l	07/03/22 22:58	S622G03B	BDA
12. Fluorene (SIM)		U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
13. Indeno(1,2,3-cd	i)pyrene (SIM)	1600		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
14. 2-Methylnaphth	alene (SIM)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
15, Naphthalene (S	SIM)	U		µg/kg		330	20	07/03/22	PS22G01I	07/03/22 22:58	S622G03B	BDA
The same of the sa	-									and the latest and the latest and the		

µg/kg

µg/kg

1600

2900

07/03/22

07/03/22

PS22G01I 07/03/22 22:58 S622G03B BDA

PS22G01I 07/03/22 22:58 S622G03B BDA

330

330

20

20

16. Phenanthrene (SIM)

17. Pyrene (SIM)



Order: Date:

Client Identification:	BLDI, Inc.			Sample Des	cription: HA-20	(0.5-1)		Chair	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (225382	.02)		Sample No:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02			Sample Mat	rix: Soil/So	olid		Colle	ct Time:	11:07	
Sample Comments:	Soil results have been o	alculated	and rep	orted on a	dry weight basis i	unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see definition						ot included in NEL	AC Scope of A	Analysis,		
Definitions.	Q. Qualifier (555 definition	7,10 4(0)14 (,							
	1. 4 D 1. 4 -4 405 1 500				Alia	uot ID:	A09406-009	Matrix: 9	Soil/Solid		
Water (Moisture) Co Method: ASTM D221	ntent Dried at 105 ± 5°C 16-10						HA-20 (0.5-1)	Widti IX.	3011/3011 u		
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	Ar A, Date	nalysis A _s Batch	Init
‡ 1. Percent Moistu	re (Water Content)	3		%	ME TO IST	1.0	06/30/22	MC220630	07/01/22	MC220630	AWW
					Alia		A09406-009	Matrix: 9	Soil/Solid		
Michigan 10 Elemen Method: EPA 0200.2	-					uot ID: cription:	HA-20 (0.5-1)	Width.	3011/3011u		
							Prepa			nalysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A, Batch	Init.
1. Arsenic		3000		µg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2. Barium		54000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	in minute
3. Cadmium		310		µg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	
4. Chromium		25000		µg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5. Copper		20000		µg/kg	1000	20	07/01/22	PT22G01C		T422G01A	
6, Lead		78000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
7. Selenium		U		µg/kg	200	10	07/01/22	PT22G01C	07/01/22	T422G01A	
8. Silver		U		µg/kg	100	20	07/01/22	PT22G01C		T422G01A	
9. Zinc		140000	181	µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS		=====			Alic	juot ID:	A09406-009	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-20 (0.5-1)				-
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	Ar A. Date	nalysis A Batch	Iniț
1. Mercury		U	-60	µg/kg	50	10	07/01/22	PM22G01D	07/05/22	M722G05A	JLH
Volatile Organic Cor	mpounds (VOCs) by GC/N	/IS, 5035			Alic	μοt ID:	A09406-009A	Matrix:	Soil/Solid		
Method: EPA 5035A	/EPA 8260D				Des	cription:	HA-20 (0.5-1)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		ration P. Batch	A, Date	nalysis A. Batch	lnit
1. Benzene		U		µg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
2. Ethylbenzene		U		μg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
‡ 3.2-Methylnaphth	nalene	U		μg/kg	330	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
4. MTBE		U		µg/kg	250	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
5. Naphthalene	S. H. S. D. F. P. S.	U		μg/kg	330	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
6. Toluene		U		μg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
‡ 7.1,2,3-Trimethyl	benzene	U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
8, 1,2,4-Trimethyl		U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
9. 1,3,5-Trimethyl		U		µg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
	1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail		-	l 48842 n, Ml 48116 c, Ml 49601		T: (517) 699 T: (810) 220 T: (231) 77	0-3300	F: (8	517) 699-0388 810) 220-3311 231) 775-8584		



Order. Date: A09406 07/12/22

Client Identification:	BLDI, Inc.	Sample Description:	HA-20 (0.5-1)	Chain of Custody:	207428
Client Project Name:	Lowell Soil Pile (225382.02)	Sample No:		Collect Date:	06/27/22
Client Project No:	225382.02	Sample Matrix:	Soil/Solid	Collect Time:	11:07
Sample Comments:	Soil results have been calculated and re	ported oп a dry weight	basis unless otherwise noted.		
Definitions:	Q: Qualifier (see definitions at end of repor	t) NA: Not Applicable	‡: Parameter not included in NELAC S	cope of Analysis.	

Volatile Organic Compounds (VC Method: EPA 5035A/EPA 8260D					uot ID: cription:	A09406-009A HA-20 (0.5-1)	Matrix:	Soil/Solid		
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A, Date	A, Batch	Init
10, m&p-Xylene	U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
11. o-Xylene	Ú		µg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC
‡ 12 Xylenes	U		μg/kg	150	1.0	06/29/22	VP22F29A	06/29/22 18:31	VP22F29A	BRC

Polynuclear Aromatic Hydrocarbons (PNAs)				Aliq	uot ID:	A09406-009	Matrix:	Soil/Solid		
Method: EPA 3546/EPA 8270E				Des	cription:	HA-20 (0.5-1)				
						Prepa	ration	An	alysis	
Parameter(s)	Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A. Date	A. Batch	Init.
1. Acenaphthene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
2. Acenaphthylene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01l	07/03/22 23:26	S622G03B	BDA
3. Anthracene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
4. Benzo(a)anthracene (SIM)	730		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
5. Benzo(a)pyrene (SIM)	890	1 1	μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
6. Benzo(b)fluoranthene (SIM)	1500		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
7. Benzo(ghi)perylene (SIM)	1000	1 70	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
8. Benzo(k)fluoranthene (SIM)	410		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
9 Chrysene (SIM)	820		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
10. Dibenzo(a,h)anthracene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
11. Fluoranthene (SIM)	1600	M.	μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
12. Fluorene (SIM)	U		µg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
13. Indeno(1,2,3-cd)pyrene (SIM)	920	7	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
14, 2-Methylnaphthalene (SIM)	U		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
15. Naphthalene (SIM)	U	A5 /	µg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
16. Phenanthrene (SIM)	710		μg/kg	330	20	07/03/22	PS22G01I	07/03/22 23:26	S622G03B	BDA
17. Pyrene (SIM)	1400	MIN	µg/kg	330	20	07/03/22	PS22G01l	07/03/22 23:26	S622G03B	BDA

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601 T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584



Order: Date:

Client Identification:	BLDI, Inc.		;	Sample Des	scription: HA-21	(0.5-1)		Chair	of Custody:	207428	
Client Project Name:	Lowell Soil Pile (225382	.02)	;	Sample No:				Colle	ct Date:	06/27/22	
Client Project No:	225382.02		:	Sample Mat	rix: Soil/So	olid		Colle	ct Time:	11:18	
		alaulatad .					nonwise noted				
Sample Comments:	Soil results have been c							AO 0 +f /) malusia		
Definitions:	Q: Qualifier (see definitio	ns at end c	of report)	NA: Not	Applicable ‡: Pa	rameter n	ot included in NEL	AC Scope of A	Anaiysis		
Water (Moisture) Co.	ntent Dried at 105 ± 5°C				Alia	uot ID:	A09406-010	Matrix: \$	Soil/Solid		
Method: ASTM D221					Des	cription:	HA-21 (0.5-1)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A. Date	Analysis A, Batch	Init
‡ 1. Percent Moistur	e (Water Content)	4	127	%	1	1.0	06/30/22	MC220630	07/01/22	MC220630	AWW
Michigan 10 Element Method: EPA 0200.2	-				-	uot ID: cription:	A09406-010 HA-21 (0.5-1)	Matrix: 3	Soil/Solid		
							Prepa	ration	1	Analysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A Date	A. Batch	Init
1. Arsenic		2200		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
2. Barium		21000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
3. Cadmium	NAME OF STREET	140		μg/kg	50	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
4. Chromium		11000		μg/kg	500	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
5. Copper		13000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
6 Lead		12000		μg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
7. Selenium		230		μg/kg	200	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
8. Silver		U		μg/kg	100	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
9. Zinc		48000		µg/kg	1000	20	07/01/22	PT22G01C	07/01/22	T422G01A	JLH
Mercury by CVAAS					Aliq	uot ID:	A09406-010	Matrix:	Soil/Solid		
Method: EPA 7471B					Des	cription:	HA-21 (0.5-1)				
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	Prepa P. Date	ration P. Batch	A, Date	Analysis A, Batch	Init,
1. Mercury		U		μg/kg	50	10	07/01/22	PM22G01D	07/05/22	M722G05A	JLH
Volatile Organic Con Method: EPA 5035A/	npounds (VOCs) by GC/N EPA 8260D	1S, 5035				uot ID: cription:	A09406-010A HA-21 (0.5-1)	Matrix: 3	Soil/Solid		
							Prepa			Analysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	n P. Date	P. Batch	A. Date	A, Batch	Init,
1. Benzene		U		µg/kg	50	1.0	06/29/22		06/29/22 18:5		
2. Ethylbenzene		U		μg/kg	50	1.0	06/29/22		06/29/22 18:5		
‡ 3.2-Methylnaphtha	alene	U	73.7	µg/kg	330	1.0	06/29/22		06/29/22 18:5	HERVILLE TOUR	
4.MTBE		U		µg/kg	250	1.0	06/29/22		06/29/22 18:		
5. Naphthalene		U	the state of	µg/kg	330	1.0	06/29/22		06/29/22 18:5		
6. Toluene		U		µg/kg	50	1.0	06/29/22		06/29/22 18:		
‡ 7.1,2,3-Trimethylt	penzene	U	J. Hay	µg/kg	100	1.0	06/29/22		06/29/22 18:		
8. 1,2,4-Trimethylb	penzene	U		µg/kg	100	1.0	06/29/22		06/29/22 18:		
9. 1,3,5-Trimethylt	penzene	U		µg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 18:	57 VP22F29A	BRC
	1914 Holloway Drive		Holt, Mi	48842		T: (517) 69:	9-0345	F: (!	517) 699-0388		
	I J I T I I OILOWUY DI IVE										
	11766 E. Grand River		Briahtor	n, MI 48116		T: (810) 220	0-3300	F: (8	310) 220-3311		



Order: Date:

A09406 07/12/22

Client Identification:	BLDI, Inc.		S	Sample De	escription: HA-21	(0.5-1)		Chai	n of Custody:	207428	
Client Project Name:	Lowell Soil Pile (22	25382.02)	S	Sample No) :			Colle	ect Date:	06/27/22	
Client Project No:	225382.02		S	Sample Ma	atrix: Soil/So	olid		Colle	ect Time:	11:18	
Sample Comments:	Soil results have b	een calculated	and repo	rted on a	dry weight basis	unless oth	nerwise noted.				
Definitions:	Q: Qualifier (see de	efinitions at end o	of report)	NA: No	t Applicable ‡: Pa	rameter n	ot included in NEI	AC Scope of	Analysis,		
Volatile Organic Com Method: EPA 5035A/E		GC/MS, 5035				juot ID:	A09406-010A HA-21 (0.5-1)	Matrix:	Soil/Solid		
							Ргера	ration	An	alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution		P. Batch	A, Date	A Batch	Init
10, m&p-Xylene		U		μg/kg	100	1.0	06/29/22	VP22F29A	06/29/22 18:57	VP22F29A	BRO
11. o-Xylene	N. N. J. B	U	THE RES	µg/kg	50	1.0	06/29/22	VP22F29A	06/29/22 18:57	VP22F29A	BRC
‡ 12 Xylenes		U		µg/kg	150	1.0	06/29/22	VP22F29A	06/29/22 18:57	VP22F29A	BRO
Polynuclear Aromatic	Hydrocarbons (PN	NAs)			Alic	juot ID:	A09406-010	Matrix:	Soil/Solid		
Method: EPA 3546/EP	A 8270E				Des	cription:	HA-21 (0.5-1)				
								ration		alysis	
Parameter(s)		Result	Q	Units	Reporting Limit	Dilution	P. Date	P. Batch	A, Date	A. Batch	Init.
1. Acenaphthene (S	SIM)	U		µg/kg	330	10	07/03/22	PS22G01H	07/05/22 14:30	SN22G05B	ALS
2. Acenaphthylene	(SIM)	U		µg/kg	330	10	07/03/22		07/05/22 14:30		
3. Anthracene (SIM)	U		µg/kg	330	10	07/03/22		07/05/22 14:30		
4. Benzo(a)anthrac	ene (SIM)	340		μg/kg	330	10	07/03/22	PS22G01H	07/05/22 14:30	SN22G05B	ALS
5. Benzo(a)pyrene ((SIM)	390		µg/kg	330	10	07/03/22	PS22G01H	07/05/22 14:30	SN22G05B	ALS
6. Benzo(b)fluorant	hene (SIM)	610		μg/kg	330	10	07/03/22	PS22G01H	07/05/22 14:30	SN22G05B	ALS
7. Benzo(ghi)peryle	ne (SIM)	U		µg/kg	330	10	07/03/22	PS22G01H	07/05/22 14:30	SN22G05B	ALS
8. Benzo(k)fluoranti	hene (SIM)	U		µg/kg	330	10	07/03/22		07/05/22 14:30		
9. Chrysene (SIM)		U		µg/kg	330	10	07/03/22		07/05/22 14:30		-
10, Dibenzo(a,h)anth	racene (SIM)	υ		µg/kg	330	10	07/03/22		07/05/22 14:30		-
11. Fluoranthene (SI	M)	580		µg/kg	330	10	07/03/22		07/05/22 14:30		
12, Fluorene (SIM)		U		µg/kg	330	10	07/03/22	PS22G01H	07/05/22 14:30	SN22G05B	ALS

330

330

330

330

330

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µg/kg

µg/kg

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µg/kg

07/03/22

07/03/22

07/03/22

07/03/22

07/03/22

PS22G01H 07/05/22 14:30 SN22G05B ALS

13. Indeno(1,2,3-cd)pyrene (SIM)

14, 2-Methylnaphthalene (SIM)

15. Naphthalene (SIM)

16. Phenanthrene (SIM)

17. Pyrene (SIM)



Analytical Laboratory Report Laboratory Project Number: A09406

Order: Date:

A09406 07/12/22

Definitions/ Qualifiers:

- A: Spike recovery or precision unusable due to dilution.
- The analyte was detected in the associated method blank.
- E: The analyte was detected at a concentration greater than the calibration range, therefore the result is estimated.
- The concentration is an estimated value. J:
- M: Modified Method
- U: The analyte was not detected at or above the reporting limit.
- X: Matrix Interference has resulted in a raised reporting limit or distorted result.
- W: Results reported on a wet-weight basis,
- *: Value reported is outside QC limits

Exception Summary:

Analysis Locations:

All analyses performed in Holt.



Accreditation Number(s):

T104704518-19-8 (TX)

1914 Holloway Drive 11766 E. Grand River 8660 S. Mackinaw Trail Holt, MI 48842 Brighton, MI 48116 Cadillac, MI 49601

T: (517) 699-0345 T: (810) 220-3300 T: (231) 775-8368 F: (517) 699-0388 F: (810) 220-3311 F: (231) 775-8584



Analytical Laboratory

1914 Holloway Drive

Holf, MI 48842

Phone: 517 699 0345 Fax: 517 699 0388

emall: lab@flbertec.us

8660 S. Mackinaw Trail

Cadillac, MI 49601

Phone: 231 775 8368 Fax: 231 775 8584 Geoprobe

11766 E. Grand River Rd.

Brighton, MI 48116

Phone: 810 220 3300 Fax: 810 220 3311 Chain of Custody #

207428 PAGE of 1

Client Name: BUDI, Me						PARAMETER:	S			Matrix Code Deliverables
Contact Person: Dene, Rewitt					en l					S Soil GW Ground Water Level 2
			2		7					A Air Sw Surface Water Level 3
Lowell Soil Pile 1- ans 380.02	FOR CODE)		900	0	me tal				끨	O Oil ww Waste Water Level 4
Email distribution list:	18 FO.		K 1		티 3				SAM	P Wipe X Other Specify EDD
Project Name/ Number: Lowell Soil Pile 1-225382.02 Email distribution, list: Reneep, Juliab, devonb Cbld. Com	HI COR	# OF CONTAINERS	eaded		0				HOLD SAMPLE	
Quote#	(SEE RIGH	N N N	ea	E					_	
Purchase Order#	MATRIX	۱ ۲	N	ĮŽ	3			1.1		
Date Time Sample # Client Sample Descriptor		#	Z	2	2		_		_	Remarks:
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6/27/12 1/18 HA-21 (0.5-1)	V	1	V	W	V			11	\neg	
Comments:	_	_			<u> </u>	!				
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Sampled/Relinquished By: Julius Bull				22	140			Info		
Relinquished By:		e/ Tim 27-			1552	Received	by:			
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1 bus. day2 bus. days3 bus. days			ous, d					Fiberted	c proj	eject number: A09406
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Please see back for terms and conditions										

LOWELL CITY COUNCIL

MEMORANDUM



DATE: September 1, 2022

TO: Mayor DeVore and Lowell City Council

FROM: Michael T. Burns, City Manager

RE: 115 Riverside

With the inability to garner four votes for the sale of 115 Riverside Drive, the city will not be selling the building to Copperrock Construction for their proposed development. Administration needs direction on what you would like to do next.

I see the following as potential options for you:

- 1. Select another applicant who submitted a proposal to move forward. The Council would need Administration to prepare a new resolution to sit for twenty days before you can take action. If this was selected this evening, council action to sell the property could not occur until the October 3rd City Council meeting.
- 2. Have the remaining applicants resubmit proposals.
- 3. Reinstitute another RFP process.
- 4. Take no action on this matter.

If you were to take no action, we could leave the building as is and let it continue to deteriorate. However, this would be continued liability to the City and Lowell Light and Power if this occurred. We probably should consider demolishing the building. If we wish to consider this option, we may want to consider communicating with Lowell Light and Power and or the Downtown Development Authority regarding this option.

Further discussion and direction will be needed on this.

LOWELL CITY COUNCIL

MEMORANDUM



DATE: September 1, 2022

TO: Mayor DeVore and Lowell City Council

FROM: Michael T. Burns, City Manager

RE: Gee Drive MDOT Small Urban Contract

The City of Lowell is receiving funding through the MDOT Surface Transportation Program Small Urban Funds program for resurfacing of the Gee Drive. We have the opportunity to receive \$375,000 to put towards the project work. The work on this project must follow MDOT procedures for design, bidding, construction oversight, and project payment. In order to access the MDOT Small Urban Funds the City needs to approve and sign the standard agreement contract with MDOT.

MDOT also requires the city to authorize an official to sign the document, via a certified resolution.

Recommended Motion: That the Lowell City Council adopt Resolution 25-22, approving the MDOT agreement for the Gee Drive resurfacing project, and authorizes Mr. Michael Burns, City Manager, to act as agent on behalf of the City of Lowell to sign the contract documents with MDOT, Contract #22-5395.

RESOLUTION 25-22

Councilmemb	per offered the following resolution and moved for its adoption:
	Be it resolved that
CONT	RACT No. 22-5395, Control Section STUL 41000, Job Number 214385CON
	by and between the
	MICHIGAN DEPARTMENT OF TRANSPORTATION
	and the
	City of Lowell
	is hereby accepted.
	The following Official(s) is/are authorized to sign the said contract:
	Michael Burns, City Manager
	Supported by Councilmember
ADOPTED:	AYES: NAYES: ABSENT:
I hereby cert	ify that the foregoing is a true and correct copy of a resolution made and adopted at
	a regular meeting of the Lowell City Council Meeting on the
	6 th DAY of September
	Signed Sue Ullery City Clerk

STP DA

Control Section STUL 41000 Job Number 214385CON Project 22A0829

CFDA No. 20.205 (Highway Research

Planning & Construction)

Contract No. 22-5395

PART I

THIS CONTRACT, consisting of PART I and PART II (Standard Agreement Provisions), is made by and between the MICHIGAN DEPARTMENT OF TRANSPORTATION, hereinafter referred to as the "DEPARTMENT"; and the CITY OF LOWELL, a Michigan municipal corporation, hereinafter referred to as the "REQUESTING PARTY"; for the purpose of fixing the rights and obligations of the parties in agreeing to the following improvements, in LOWELL, Michigan, hereinafter referred to as the "PROJECT" and estimated in detail on EXHIBIT "I", dated August 17, 2022, attached hereto and made a part hereof:

Hot mix asphalt cold milling and resurfacing along Gee Drive from Alden Nash Avenue to Foreman Street, including pavement interlayer and permanent pavement markings; and all together with necessary related work.

WITNESSETH:

WHEREAS, pursuant to Federal law, monies have been provided for the performance of certain improvements on public roads; and

WHEREAS, the reference "FHWA" in PART I and PART II refers to the United States Department of Transportation, Federal Highway Administration; and

WHEREAS, the PROJECT, or portions of the PROJECT, at the request of the REQUESTING PARTY, are being programmed with the FHWA, for implementation with the use of Federal Funds under the following Federal program(s) or funding:

SURFACE TRANSPORTATION PROGRAM

WHEREAS, the parties hereto have reached an understanding with each other regarding the performance of the PROJECT work and desire to set forth this understanding in the form of a written contract.

NOW, THEREFORE, in consideration of the premises and of the mutual undertakings of the parties and in conformity with applicable law, it is agreed:

1. The parties hereto shall undertake and complete the PROJECT in accordance with the terms of this contract.

2. The term "PROJECT COST", as herein used, is hereby defined as the cost of the physical construction necessary for the completion of the PROJECT, including any other costs incurred by the DEPARTMENT as a result of this contract, except construction engineering and inspection.

No charges will be made by the DEPARTMENT to the PROJECT for any inspection work or construction engineering.

The costs incurred by the REQUESTING PARTY for preliminary engineering, construction engineering, construction materials testing, inspection, and right-of-way are excluded from the PROJECT COST as defined by this contract.

The Michigan Department of Environment, Great Lakes, and Energy has informed the DEPARTMENT that it adopted new administrative rules (R 325.10101, et. seq.) which prohibit any governmental agency from connecting and/or reconnecting lead and/or galvanized service lines to existing and/or new water main. Questions regarding these administrative rules should be directed to the Michigan Department of Environment, Great Lakes, and Energy. The cost associated with replacement of any lead and/or galvanized service lines, including but not limited to contractor claims, will be the sole responsibility of the REQUESTING PARTY.

3. The DEPARTMENT is authorized by the REQUESTING PARTY to administer on behalf of the REQUESTING PARTY all phases of the PROJECT, including advertising and awarding the construction contract for the PROJECT or portions of the PROJECT. Such administration shall be in accordance with PART II, Section II of this contract.

Any items of the PROJECT COST incurred by the DEPARTMENT may be charged to the PROJECT.

- 4. The REQUESTING PARTY, at no cost to the PROJECT or to the DEPARTMENT, shall:
 - A. Design or cause to be designed the plans for the PROJECT.
 - B. Appoint a project engineer who shall be in responsible charge of the PROJECT and ensure that the plans and specifications are followed.
 - C. Perform or cause to be performed the construction engineering, construction materials testing, and inspection services necessary for the completion of the PROJECT.

The REQUESTING PARTY will furnish the DEPARTMENT proposed timing sequences for trunkline signals that, if any, are being made part of the improvement. No timing adjustments shall be made by the REQUESTING PARTY at any trunkline intersection, without prior issuances by the DEPARTMENT of Standard Traffic Signal Timing Permits.

5. The PROJECT COST shall be met in part by contributions by the Federal Government. Federal Surface Transportation Funds shall be applied to the eligible items of the PROJECT COST up to the lesser of: (1) \$375,000, or (2) an amount such that 81.85 percent, the normal Federal participation ratio for such funds, is not exceeded at the time of the award of the construction contract. The balance of the PROJECT COST, after deduction of Federal Funds, shall be charged to and paid by the REQUESTING PARTY in the manner and at the times hereinafter set forth.

Any items of PROJECT COST not reimbursed by Federal Funds shall be the sole responsibility of the REQUESTING PARTY.

6. No working capital deposit will be required for this PROJECT.

In order to fulfill the obligations assumed by the REQUESTING PARTY under the provisions of this contract, the REQUESTING PARTY shall make prompt payments of its share of the PROJECT COST upon receipt of progress billings from the DEPARTMENT as herein provided. All payments will be made within 30 days of receipt of billings from the DEPARTMENT. Billings to the REQUESTING PARTY will be based upon the REQUESTING PARTY'S share of the actual costs incurred less Federal Funds earned as the PROJECT progresses.

- 7. At such time as traffic volumes and safety requirements warrant, the REQUESTING PARTY will cause to be enacted and enforced such ordinances as may be necessary to prohibit parking in the traveled roadway throughout the limits of the PROJECT.
- 8. The performance of the entire PROJECT under this contract, whether Federally funded or not, will be subject to the provisions and requirements of PART II that are applicable to a Federally funded project.

In the event of any discrepancies between PART I and PART II of this contract, the provisions of PART I shall prevail.

Buy America Requirements (23 CFR 635.410) shall apply to the PROJECT and will be adhered to, as applicable, by the parties hereto.

9. The REQUESTING PARTY certifies that it is not aware if and has no reason to believe that the property on which the work is to be performed under this agreement is a facility, as defined by the Michigan Natural Resources and Environmental Protection Act [(NREPA), PA 451, 1994, as amended 2012]; MCL 324.20101(1)(s). The REQUESTING PARTY also certifies that it is not a liable party pursuant to either Part 201 or Part 213 of NREPA, MCL 324.20126 et seq. and MCL 324.21323a et seq. The REQUESTING PARTY is a local unit of government that has acquired or will acquire property for the use of either a transportation corridor or public right-of-way and was not responsible for any activities causing a release or threat of release of any hazardous materials at or on the property. The REQUESTING PARTY

is not a person who is liable for response activity costs, pursuant to MCL 324.20101 (vv) and (ww).

- 10. If, subsequent to execution of this contract, previously unknown hazardous substances are discovered within the PROJECT limits, which require environmental remediation pursuant to either state or federal law, the REQUESTING PARTY, in addition to reporting that fact to the Michigan Department of Environment, Great Lakes, and Energy, shall immediately notify the DEPARTMENT, both orally and in writing of such discovery. The DEPARTMENT shall consult with the REQUESTING PARTY to determine if it is willing to pay for the cost of remediation and, with the FHWA, to determine the eligibility, for reimbursement, of the remediation costs. The REQUESTING PARTY shall be charged for and shall pay all costs associated with such remediation, including all delay costs of the contractor for the PROJECT, in the event that remediation and delay costs are not deemed eligible by the FHWA. If the REQUESTING PARTY refuses to participate in the cost of remediation, the DEPARTMENT shall terminate the PROJECT. The parties agree that any costs or damages that the DEPARTMENT incurs as a result of such termination shall be considered a PROJECT COST.
- 11. If federal and/or state funds administered by the DEPARTMENT are used to pay the cost of remediating any hazardous substances discovered after the execution of this contract and if there is a reasonable likelihood of recovery, the REQUESTING PARTY, in cooperation with the Michigan Department of Environment, Great Lakes, and Energy and the DEPARTMENT, shall make a diligent effort to recover such costs from all other possible entities. If recovery is made, the DEPARTMENT shall be reimbursed from such recovery for the proportionate share of the amount paid by the FHWA and/or the DEPARTMENT and the DEPARTMENT shall credit such sums to the appropriate funding source.
- 12. The DEPARTMENT'S sole reason for entering into this contract is to enable the REQUESTING PARTY to obtain and use funds provided by the Federal Highway Administration pursuant to Title 23 of the United States Code.

Any and all approvals of, reviews of, and recommendations regarding contracts, agreements, permits, plans, specifications, or documents, of any nature, or any inspections of work by the DEPARTMENT or its agents pursuant to the terms of this contract are done to assist the REQUESTING PARTY in meeting program guidelines in order to qualify for available funds. Such approvals, reviews, inspections and recommendations by the DEPARTMENT or its agents shall not relieve the REQUESTING PARTY and the local agencies, as applicable, of their ultimate control and shall not be construed as a warranty of their propriety or that the DEPARTMENT or its agents is assuming any liability, control or jurisdiction.

The providing of recommendations or advice by the DEPARTMENT or its agents does not relieve the REQUESTING PARTY and the local agencies, as applicable of their exclusive jurisdiction of the highway and responsibility under MCL 691.1402 et seq., as amended.

When providing approvals, reviews and recommendations under this contract, the DEPARTMENT or its agents is performing a governmental function, as that term is defined in MCL 691.1401 et seq., as amended, which is incidental to the completion of the PROJECT.

Upon completion of the PROJECT, the REQUESTING PARTY shall accept the facilities constructed as built to specifications within the contract documents. It is understood that the REQUESTING PARTY shall own the facilities and shall operate and maintain the facilities in accordance with all applicable Federal and State laws and regulations, including, but not limited to, Title II of the Americans with Disabilities Act (ADA), 42 USC 12131 et seq., and its associated regulations and standards, and DEPARTMENT Road and Bridge Standard Plans and the Standard Specifications for Construction.

- 13. The DEPARTMENT, by executing this contract, and rendering services pursuant to this contract, has not and does not assume jurisdiction of the highway, described as the PROJECT for purposes of MCL 691.1402 et seq., as amended. Exclusive jurisdiction of such highway for the purposes of MCL 691.1402 et seq., as amended, rests with the REQUESTING PARTY and other local agencies having respective jurisdiction.
- 14. The REQUESTING PARTY shall approve all of the plans and specifications to be used on the PROJECT and shall be deemed to have approved all changes to the plans and specifications when put into effect. It is agreed that ultimate responsibility and control over the PROJECT rests with the REQUESTING PARTY and local agencies, as applicable.
- 15. The REQUESTING PARTY agrees that the costs reported to the DEPARTMENT for this contract will represent only those items that are properly chargeable in accordance with this contract. The REQUESTING PARTY also certifies that it has read the contract terms and has made itself aware of the applicable laws, regulations, and terms of this contract that apply to the reporting of costs incurred under the terms of this contract.
- 16. Each party to this contract will remain responsible for any and all claims arising out of its own acts and/or omissions during the performance of the contract, as provided by this contract or by law. In addition, this is not intended to increase or decrease either party's liability for or immunity from tort claims. This contract is also not intended to nor will it be interpreted as giving either party a right of indemnification, either by contract or by law, for claims arising out of the performance of this contract.
- 17. The parties shall promptly provide comprehensive assistance and cooperation in defending and resolving any claims brought against the DEPARTMENT by the contractor, vendors or suppliers as a result of the DEPARTMENT'S award of the construction contract for the PROJECT. Costs incurred by the DEPARTMENT in defending or resolving such claims shall be considered PROJECT COSTS.
- 18. The DEPARTMENT shall require the contractor who is awarded the contract for the construction of the PROJECT to provide insurance in the amounts specified and in accordance with the DEPARTMENT'S current Standard Specifications for Construction and to:
 - A. Maintain bodily injury and property damage insurance for the duration of the PROJECT.

- B. Provide owner's protective liability insurance naming as insureds the State of Michigan, the Michigan State Transportation Commission, the DEPARTMENT and its officials, agents and employees, the REQUESTING PARTY and any other county, county road commission, or municipality in whose jurisdiction the PROJECT is located, and their employees, for the duration of the PROJECT and to provide, upon request, copies of certificates of insurance to the insureds. It is understood that the DEPARTMENT does not assume jurisdiction of the highway described as the PROJECT as a result of being named as an insured on the owner's protective liability insurance policy.
- C. Comply with the requirements of notice of cancellation and reduction of insurance set forth in the current standard specifications for construction and to provide, upon request, copies of notices and reports prepared to those insured.

19. This contract shall become binding on the parties hereto and of full force and effect upon the signing thereof by the duly authorized officials for the parties hereto and upon the adoption of the necessary resolutions approving said contract and authorizing the signatures thereto of the respective officials of the REQUESTING PARTY, a certified copy of which resolution shall be attached to this contract.

IN WITNESS WHEREOF, the parties hereto have caused this contract to be executed as written below.

CITY OF LOWEL	L	MICHIGAN DEPARTMENT OF TRANSPORTATION
Michael Burns	Michael Burns Aug 31 2022 8:56 AM	
By Title:	Docu Sign.	By
By Title:		REVIEWED

EXHIBIT I

CONTROL SECTION STUL 41000 JOB NUMBER 214385CON PROJECT 22A0829

ESTIMATED COST

CONTRACTED WORK

Estimated Cost \$362,000

COST PARTICIPATION

GRAND TOTAL ESTIMATED COST	\$362,000
Less Federal Funds*	<u>\$296,297</u>
BALANCE (REOUESTING PARTY'S SHARE)	\$ 65,703

^{*}Federal Funds for the PROJECT are limited to an amount as described in Section 5.

NO DEPOSIT

PART II

STANDARD AGREEMENT PROVISIONS

SECTION I COMPLIANCE WITH REGULATIONS AND DIRECTIVES

SECTION II PROJECT ADMINISTRATION AND SUPERVISION

SECTION III ACCOUNTING AND BILLING

SECTION IV MAINTENANCE AND OPERATION

SECTION V SPECIAL PROGRAM AND PROJECT CONDITIONS

SECTION I

COMPLIANCE WITH REGULATIONS AND DIRECTIVES

- A. To qualify for eligible cost, all work shall be documented in accordance with the requirements and procedures of the DEPARTMENT.
- B. All work on projects for which reimbursement with Federal funds is requested shall be performed in accordance with the requirements and guidelines set forth in the following Directives of the Federal-Aid Policy Guide (FAPG) of the FHWA, as applicable, and as referenced in pertinent sections of Title 23 and Title 49 of the Code of Federal Regulations (CFR), and all supplements and amendments thereto.

1. Engineering

- a. FAPG (6012.1): Preliminary Engineering
- b. FAPG (23 CFR 172): Administration of Engineering and Design Related Service Contracts
- c. FAPG (23 CFR 635A): Contract Procedures
- d. FAPG (49 CFR 18.22): Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments-Allowable Costs

2. Construction

- a. FAPG (23 CFR 140E): Administrative Settlement Costs-Contract Claims
- b. FAPG (23 CFR 140B): Construction Engineering Costs
- c. FAPG (23 CFR 17): Recordkeeping and Retention Requirements for Federal-Aid Highway Records of State Highway Agencies
- d. FAPG (23 CFR 635A): Contract Procedures
- e. FAPG (23 CFR 635B): Force Account Construction
- f. FAPG (23 CFR 645A): Utility Relocations, Adjustments and Reimbursement

- g. FAPG (23 CFR 645B): Accommodation of Utilities (PPM 30-4.1)
- h. FAPG (23 CFR 655F): Traffic Control Devices on Federal-Aid and other Streets and Highways
- FAPG (49 CFR 18.22): Uniform Administrative Requirements for Grants and Cooperative Agreements to State and Local Governments-Allowable Costs
- 3. Modification Or Construction Of Railroad Facilities
 - a. FAPG (23 CFR 140I): Reimbursement for Railroad Work
 - b. FAPG (23 CFR 646B): Railroad Highway Projects
- C. In conformance with FAPG (23 CFR 630C) Project Agreements, the political subdivisions party to this contract, on those Federally funded projects which exceed a total cost of \$100,000.00 stipulate the following with respect to their specific jurisdictions:
 - 1. That any facility to be utilized in performance under or to benefit from this contract is not listed on the Environmental Protection Agency (EPA) List of Violating Facilities issued pursuant to the requirements of the Federal Clean Air Act, as amended, and the Federal Water Pollution Control Act, as amended.
 - 2. That they each agree to comply with all of the requirements of Section 114 of the Federal Clean Air Act and Section 308 of the Federal Water Pollution Control Act, and all regulations and guidelines issued thereunder.
 - 3. That as a condition of Federal aid pursuant to this contract they shall notify the DEPARTMENT of the receipt of any advice indicating that a facility to be utilized in performance under or to benefit from this contract is under consideration to be listed on the EPA List of Violating Facilities.
- D. Ensure that the PROJECT is constructed in accordance with and incorporates all committed environmental impact mitigation measures listed in approved environmental documents unless modified or deleted by approval of the FHWA.
- E. All the requirements, guidelines, conditions and restrictions noted in all other pertinent Directives and Instructional Memoranda of the FHWA will apply to this contract and will be adhered to, as applicable, by the parties hereto.

SECTION II

PROJECT ADMINISTRATION AND SUPERVISION

- A. The DEPARTMENT shall provide such administrative guidance as it determines is required by the PROJECT in order to facilitate the obtaining of available federal and/or state funds.
- B. The DEPARTMENT will advertise and award all contracted portions of the PROJECT work. Prior to advertising of the PROJECT for receipt of bids, the REQUESTING PARTY may delete any portion or all of the PROJECT work. After receipt of bids for the PROJECT, the REQUESTING PARTY shall have the right to reject the amount bid for the PROJECT prior to the award of the contract for the PROJECT only if such amount exceeds by ten percent (10%) the final engineer's estimate therefor. If such rejection of the bids is not received in writing within two (2) weeks after letting, the DEPARTMENT will assume concurrence. The DEPARTMENT may, upon request, readvertise the PROJECT. Should the REQUESTING PARTY so request in writing within the aforesaid two (2) week period after letting, the PROJECT will be cancelled and the DEPARTMENT will refund the unused balance of the deposit less all costs incurred by the DEPARTMENT.
- C. The DEPARTMENT will perform such inspection services on PROJECT work performed by the REQUESTING PARTY with its own forces as is required to ensure compliance with the approved plans & specifications.
- D. On those projects funded with Federal monies, the DEPARTMENT shall as may be required secure from the FHWA approval of plans and specifications, and such cost estimates for FHWA participation in the PROJECT COST.
- E. All work in connection with the PROJECT shall be performed in conformance with the Michigan Department of Transportation Standard Specifications for Construction, and the supplemental specifications, Special Provisions and plans pertaining to the PROJECT and all materials furnished and used in the construction of the PROJECT shall conform to the aforesaid specifications. No extra work shall be performed nor changes in plans and specifications made until said work or changes are approved by the project engineer and authorized by the DEPARTMENT.

F. Should it be necessary or desirable that portions of the work covered by this contract be accomplished by a consulting firm, a railway company, or governmental agency, firm, person, or corporation, under a subcontract with the REQUESTING PARTY at PROJECT expense, such subcontracted arrangements will be covered by formal written agreement between the REQUESTING PARTY and that party.

This formal written agreement shall: include a reference to the specific prime contract to which it pertains; include provisions which clearly set forth the maximum reimbursable and the basis of payment; provide for the maintenance of accounting records in accordance with generally accepted accounting principles, which clearly document the actual cost of the services provided; provide that costs eligible for reimbursement shall be in accordance with clearly defined cost criteria such as 49 CFR Part 18, 48 CFR Part 31, 23 CFR Part 140, OMB Circular A-87, etc. as applicable; provide for access to the department or its representatives to inspect and audit all data and records related to the agreement for a minimum of three years after the department's final payment to the local unit.

All such agreements will be submitted for approval by the DEPARTMENT and, if applicable, by the FHWA prior to execution thereof, except for agreements for amounts less than \$100,000 for preliminary engineering and testing services executed under and in accordance with the provisions of the "Small Purchase Procedures" FAPG (23 CFR 172), which do not require prior approval of the DEPARTMENT or the FHWA.

Any such approval by the DEPARTMENT shall in no way be construed as a warranty of the subcontractor's qualifications, financial integrity, or ability to perform the work being subcontracted.

- G. The REQUESTING PARTY, at no cost to the PROJECT or the DEPARTMENT, shall make such arrangements with railway companies, utilities, etc., as may be necessary for the performance of work required for the PROJECT but for which Federal or other reimbursement will not be requested.
- H. The REQUESTING PARTY, at no cost to the PROJECT, or the DEPARTMENT, shall secure, as necessary, all agreements and approvals of the PROJECT with railway companies, the Railroad Safety & Tariffs Division of the DEPARTMENT and other concerned governmental agencies other than the FHWA, and will forward same to the DEPARTMENT for such reviews and approvals as may be required.
- I. No PROJECT work for which reimbursement will be requested by the REQUESTING PARTY is to be subcontracted or performed until the DEPARTMENT gives written notification that such work may commence.

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- J. The REQUESTING PARTY shall be responsible for the payment of all costs and expenses incurred in the performance of the work it agrees to undertake and perform.
- K. The REQUESTING PARTY shall pay directly to the party performing the work all billings for the services performed on the PROJECT which are authorized by or through the REQUESTING PARTY.
- L. The REQUESTING PARTY shall submit to the DEPARTMENT all paid billings for which reimbursement is desired in accordance with DEPARTMENT procedures.
- M. All work by a consulting firm will be performed in compliance with the applicable provisions of 1980 PA 299, Subsection 2001, MCL 339.2001; MSA 18.425(2001), as well as in accordance with the provisions of all previously cited Directives of the FHWA.
- N. The project engineer shall be subject to such administrative guidance as may be deemed necessary to ensure compliance with program requirement and, in those instances where a consultant firm is retained to provide engineering and inspection services, the personnel performing those services shall be subject to the same conditions.
- O. The DEPARTMENT, in administering the PROJECT in accordance with applicable Federal and State requirements and regulations, neither assumes nor becomes liable for any obligations undertaken or arising between the REQUESTING PARTY and any other party with respect to the PROJECT.
- P. In the event it is determined by the DEPARTMENT that there will be either insufficient Federal funds or insufficient time to properly administer such funds for the entire PROJECT or portions thereof, the DEPARTMENT, prior to advertising or issuing authorization for work performance, may cancel the PROJECT, or any portion thereof, and upon written notice to the parties this contract shall be void and of no effect with respect to that cancelled portion of the PROJECT. Any PROJECT deposits previously made by the parties on the cancelled portions of the PROJECT will be promptly refunded.
- Q. Those projects funded with Federal monies will be subject to inspection at all times by the DEPARTMENT and the FHWA.

SECTION III

ACCOUNTING AND BILLING

- A. Procedures for billing for work undertaken by the REQUESTING PARTY:
 - 1. The REQUESTING PARTY shall establish and maintain accurate records, in accordance with generally accepted accounting principles, of all expenses incurred for which payment is sought or made under this contract, said records to be hereinafter referred to as the "RECORDS". Separate accounts shall be established and maintained for all costs incurred under this contract.

The REQUESTING PARTY shall maintain the RECORDS for at least three (3) years from the date of final payment of Federal Aid made by the DEPARTMENT under this contract. In the event of a dispute with regard to the allowable expenses or any other issue under this contract, the REQUESTING PARTY shall thereafter continue to maintain the RECORDS at least until that dispute has been finally decided and the time for all available challenges or appeals of that decision has expired.

The DEPARTMENT, or its representative, may inspect, copy, or audit the RECORDS at any reasonable time after giving reasonable notice.

If any part of the work is subcontracted, the REQUESTING PARTY shall assure compliance with the above for all subcontracted work.

In the event that an audit performed by or on behalf of the DEPARTMENT indicates an adjustment to the costs reported under this contract, or questions the allowability of an item of expense, the DEPARTMENT shall promptly submit to the REQUESTING PARTY, a Notice of Audit Results and a copy of the audit report which may supplement or modify any tentative findings verbally communicated to the REQUESTING PARTY at the completion of an audit.

Within sixty (60) days after the date of the Notice of Audit Results, the REQUESTING PARTY shall: (a) respond in writing to the responsible Bureau or the DEPARTMENT indicating whether or not it concurs with the audit report, (b) clearly explain the nature and basis for any disagreement as to a disallowed item of expense and, (c) submit to the DEPARTMENT a written explanation as to any questioned or no opinion expressed item of expense, hereinafter referred to as the "RESPONSE". The RESPONSE shall be clearly stated and provide any supporting documentation necessary to resolve any disagreement or questioned or no opinion expressed item of expense. Where the documentation is voluminous, the REQUESTING PARTY may supply appropriate excerpts and make alternate

arrangements to conveniently and reasonably make that documentation available for review by the DEPARTMENT. The RESPONSE shall refer to and apply the language of the contract. The REQUESTING PARTY agrees that failure to submit a RESPONSE within the sixty (60) day period constitutes agreement with any disallowance of an item of expense and authorizes the DEPARTMENT to finally disallow any items of questioned or no opinion expressed cost.

The DEPARTMENT shall make its decision with regard to any Notice of Audit Results and RESPONSE within one hundred twenty (120) days after the date of If the DEPARTMENT determines that an the Notice of Audit Results. overpayment has been made to the REQUESTING PARTY, the REQUESTING PARTY shall repay that amount to the DEPARTMENT or reach agreement with the DEPARTMENT on a repayment schedule within thirty (30) days after the date of an invoice from the DEPARTMENT. If the REQUESTING PARTY fails to repay the overpayment or reach agreement with the DEPARTMENT on a repayment schedule within the thirty (30) day period, the REQUESTING PARTY agrees that the DEPARTMENT shall deduct all or a portion of the overpayment from any funds then or thereafter payable by the DEPARTMENT to the REQUESTING PARTY under this contract or any other agreement, or payable to the REQUESTING PARTY under the terms of 1951 PA 51, as applicable. Interest will be assessed on any partial payments or repayment schedules based on the unpaid balance at the end of each month until the balance is paid in full. The assessment of interest will begin thirty (30) days from the date of the invoice. The rate of interest will be based on the Michigan Department of Treasury The rate of interest will be reviewed common cash funds interest earnings. annually by the DEPARTMENT and adjusted as necessary based on the Michigan Department of Treasury common cash funds interest earnings. REQUESTING PARTY expressly consents to this withholding or offsetting of funds under those circumstances, reserving the right to file a lawsuit in the Court of Claims to contest the DEPARTMENT'S decision only as to any item of expense the disallowance of which was disputed by the REQUESTING PARTY in a timely filed RESPONSE.

The REQUESTING PARTY shall comply with the Single Audit Act of 1984, as amended, including, but not limited to, the Single Audit Amendments of 1996 (31 USC 7501-7507).

The REQUESTING PARTY shall adhere to the following requirements associated with audits of accounts and records:

a. Agencies expending a total of \$500,000 or more in federal funds, from one or more funding sources in its fiscal year, shall comply with the requirements of the federal Office of Management and Budget (OMB) Circular A-133, as revised or amended.

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The agency shall submit two copies of:

The Reporting Package
The Data Collection Form
The management letter to the agency, if one issued by the audit firm

The OMB Circular A-133 audit must be submitted to the address below in accordance with the time frame established in the circular, as revised or amended.

b. Agencies expending less than \$500,000 in federal funds must submit a letter to the Department advising that a circular audit was not required. The letter shall indicate the applicable fiscal year, the amount of federal funds spent, the name(s) of the Department federal programs, and the CFDA grant number(s). This information must also be submitted to the address below.

c. Address: Michigan Department of Education

Accounting Service Center

Hannah Building 608 Allegan Street Lansing, MI 48909

- d. Agencies must also comply with applicable State laws and regulations relative to audit requirements.
- e. Agencies shall not charge audit costs to Department's federal programs which are not in accordance with the OMB Circular A-133 requirements.
- f. All agencies are subject to the federally required monitoring activities, which may include limited scope reviews and other on-site monitoring.
- 2. Agreed Unit Prices Work All billings for work undertaken by the REQUESTING PARTY on an agreed unit price basis will be submitted in accordance with the Michigan Department of Transportation Standard Specifications for Construction and pertinent FAPG Directives and Guidelines of the FHWA.
- Force Account Work and Subcontracted Work All billings submitted to the DEPARTMENT for Federal reimbursement for items of work performed on a force account basis or by any subcontract with a consulting firm, railway company, governmental agency or other party, under the terms of this contract, shall be prepared in accordance with the provisions of the pertinent FHPM Directives and the procedures of the DEPARTMENT. Progress billings may be submitted monthly during the time work is being performed provided, however, that no bill of a lesser amount than \$1,000.00 shall be submitted unless it is a final

- or end of fiscal year billing. All billings shall be labeled either "Progress Bill Number ______", or "Final Billing".
- 4. Final billing under this contract shall be submitted in a timely manner but not later than six months after completion of the work. Billings for work submitted later than six months after completion of the work will not be paid.
- Upon receipt of billings for reimbursement for work undertaken by the REQUESTING PARTY on projects funded with Federal monies, the DEPARTMENT will act as billing agent for the REQUESTING PARTY, consolidating said billings with those for its own force account work and presenting these consolidated billings to the FHWA for payment. Upon receipt of reimbursement from the FHWA, the DEPARTMENT will promptly forward to the REQUESTING PARTY its share of said reimbursement.
- 6. Upon receipt of billings for reimbursement for work undertaken by the REQUESTING PARTY on projects funded with non-Federal monies, the DEPARTMENT will promptly forward to the REQUESTING PARTY reimbursement of eligible costs.

B. Payment of Contracted and DEPARTMENT Costs:

As work on the PROJECT commences, the initial payments for contracted work 1. and/or costs incurred by the DEPARTMENT will be made from the working capital deposit. Receipt of progress payments of Federal funds, and where applicable, State Critical Bridge funds, will be used to replenish the working capital deposit. The REQUESTING PARTY shall make prompt payments of its share of the contracted and/or DEPARTMENT incurred portion of the PROJECT COST upon receipt of progress billings from the DEPARTMENT. billings will be based upon the REQUESTING PARTY'S share of the actual costs incurred as work on the PROJECT progresses and will be submitted, as required, until it is determined by the DEPARTMENT that there is sufficient available working capital to meet the remaining anticipated PROJECT COSTS. progress payments will be made within thirty (30) days of receipt of billings. No monthly billing of a lesser amount than \$1,000.00 will be made unless it is a final or end of fiscal year billing. Should the DEPARTMENT determine that the available working capital exceeds the remaining anticipated PROJECT COSTS, the DEPARTMENT may reimburse the REQUESTING PARTY such excess. Upon completion of the PROJECT, payment of all PROJECT COSTS, receipt of all applicable monies from the FHWA, and completion of necessary audits, the REQUESTING PARTY will be reimbursed the balance of its deposit.

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2. In the event that the bid, plus contingencies, for the contracted, and/or the DEPARTMENT incurred portion of the PROJECT work exceeds the estimated cost therefor as established by this contract, the REQUESTING PARTY may be advised and billed for the additional amount of its share.

C. General Conditions:

- 1. The DEPARTMENT, in accordance with its procedures in existence and covering the time period involved, shall make payment for interest earned on the balance of working capital deposits for all projects on account with the DEPARTMENT. The REQUESTING PARTY in accordance with DEPARTMENT procedures in existence and covering the time period involved, shall make payment for interest owed on any deficit balance of working capital deposits for all projects on account with the DEPARTMENT. This payment or billing is processed on an annual basis corresponding to the State of Michigan fiscal year. Upon receipt of billing for interest incurred, the REQUESTING PARTY promises and shall promptly pay the DEPARTMENT said amount.
- Pursuant to the authority granted by law, the REQUESTING PARTY hereby irrevocably pledges a sufficient amount of funds received by it from the Michigan Transportation Fund to meet its obligations as specified in PART I and PART II. If the REQUESTING PARTY shall fail to make any of its required payments when due, as specified herein, the DEPARTMENT shall immediately notify the REQUESTING PARTY and the State Treasurer of the State of Michigan or such other state officer or agency having charge and control over disbursement of the Michigan Transportation Fund, pursuant to law, of the fact of such default and the amount thereof, and, if such default is not cured by payment within ten (10) days, said State Treasurer or other state officer or agency is then authorized and directed to withhold from the first of such monies thereafter allocated by law to the REQUESTING PARTY from the Michigan Transportation Fund sufficient monies to remove the default, and to credit the REQUESTING PARTY with payment thereof, and to notify the REQUESTING PARTY in writing of such fact.
- 3. Upon completion of all work under this contract and final audit by the DEPARTMENT or the FHWA, the REQUESTING PARTY promises to promptly repay the DEPARTMENT for any disallowed items of costs previously disbursed by the DEPARTMENT. The REQUESTING PARTY pledges its future receipts from the Michigan Transportation Fund for repayment of all disallowed items and, upon failure to make repayment for any disallowed items within ninety (90) days of demand made by the DEPARTMENT, the DEPARTMENT is hereby authorized to withhold an equal amount from the REQUESTING PARTY'S share of any future distribution of Michigan Transportation Funds in settlement of said claim.

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- 4. The DEPARTMENT shall maintain and keep accurate records and accounts relative to the cost of the PROJECT and upon completion of the PROJECT, payment of all items of PROJECT COST, receipt of all Federal Aid, if any, and completion of final audit by the DEPARTMENT and if applicable, by the FHWA, shall make final accounting to the REQUESTING PARTY. The final PROJECT accounting will not include interest earned or charged on working capital deposited for the PROJECT which will be accounted for separately at the close of the State of Michigan fiscal year and as set forth in Section C(1).
- 5. The costs of engineering and other services performed on those projects involving specific program funds and one hundred percent (100%) local funds will be apportioned to the respective portions of that project in the same ratio as the actual direct construction costs unless otherwise specified in PART I.

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SECTION IV

MAINTENANCE AND OPERATION

A. Upon completion of construction of each part of the PROJECT, at no cost to the DEPARTMENT or the PROJECT, each of the parties hereto, within their respective jurisdictions, will make the following provisions for the maintenance and operation of the completed PROJECT:

1. All Projects:

Properly maintain and operate each part of the project, making ample provisions each year for the performance of such maintenance work as may be required, except as qualified in paragraph 2b of this section.

- 2. Projects Financed in Part with Federal Monies:
 - a. Sign and mark each part of the PROJECT, in accordance with the current Michigan Manual of Uniform Traffic control Devices, and will not install, or permit to be installed, any signs, signals or markings not in conformance with the standards approved by the FHWA, pursuant to 23 USC 109(d).
 - b. Remove, prior to completion of the PROJECT, all encroachments from the roadway right-of-way within the limits of each part of the PROJECT.
 - With respect to new or existing utility installations within the right-of-way of Federal Aid projects and pursuant to FAPG (23 CFR 645B): Occupancy of non-limited access right-of-way may be allowed based on consideration for traffic safety and necessary preservation of roadside space and aesthetic quality. Longitudinal occupancy of non-limited access right-of-way by private lines will require a finding of significant economic hardship, the unavailability of practicable alternatives or other extenuating circumstances.
 - c. Cause to be enacted, maintained and enforced, ordinances and regulations for proper traffic operations in accordance with the plans of the PROJECT.
 - d. Make no changes to ordinances or regulations enacted, or traffic controls installed in conjunction with the PROJECT work without prior review by the DEPARTMENT and approval of the FHWA, if required.

- B. On projects for the removal of roadside obstacles, the parties, upon completion of construction of each part of the PROJECT, at no cost to the PROJECT or the DEPARTMENT, will, within their respective jurisdictions, take such action as is necessary to assure that the roadway right-of-way, cleared as the PROJECT, will be maintained free of such obstacles.
- C. On projects for the construction of bikeways, the parties will enact no ordinances or regulations prohibiting the use of bicycles on the facility hereinbefore described as the PROJECT, and will amend any existing restrictive ordinances in this regard so as to allow use of this facility by bicycles. No motorized vehicles shall be permitted on such bikeways or walkways constructed as the PROJECT except those for maintenance purposes.
- D. Failure of the parties hereto to fulfill their respective responsibilities as outlined herein may disqualify that party from future Federal-aid participation in projects on roads or streets for which it has maintenance responsibility. Federal Aid may be withheld until such time as deficiencies in regulations have been corrected, and the improvements constructed as the PROJECT are brought to a satisfactory condition of maintenance.

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SECTION V

SPECIAL PROGRAM AND PROJECT CONDITIONS

- A. Those projects for which the REQUESTING PARTY has been reimbursed with Federal monies for the acquisition of right-of-way must be under construction by the close of the twentieth (20th) fiscal year following the fiscal year in which the FHWA and the DEPARTMENT projects agreement covering that work is executed, or the REQUESTING PARTY may be required to repay to the DEPARTMENT, for forwarding to the FHWA, all monies distributed as the FHWA'S contribution to that right-of-way.
- B. Those projects for which the REQUESTING PARTY has been reimbursed with Federal monies for the performance of preliminary engineering must be under construction by the close of the tenth (10th) fiscal year following the fiscal year in which the FHWA and the DEPARTMENT projects agreement covering that work is executed, or the REQUESTING PARTY may be required to repay to the DEPARTMENT, for forwarding to the FHWA, all monies distributed as the FHWA'S contribution to that preliminary engineering.
- C. On those projects funded with Federal monies, the REQUESTING PARTY, at no cost to the PROJECT or the DEPARTMENT, will provide such accident information as is available and such other information as may be required under the program in order to make the proper assessment of the safety benefits derived from the work performed as the PROJECT. The REQUESTING PARTY will cooperate with the DEPARTMENT in the development of reports and such analysis as may be required and will, when requested by the DEPARTMENT, forward to the DEPARTMENT, in such form as is necessary, the required information.
- D. In connection with the performance of PROJECT work under this contract the parties hereto (hereinafter in Appendix "A" referred to as the "contractor") agree to comply with the State of Michigan provisions for "Prohibition of Discrimination in State Contracts", as set forth in Appendix A, attached hereto and made a part hereof. The parties further covenant that they will comply with the Civil Rights Acts of 1964, being P.L. 88-352, 78 Stat. 241, as amended, being Title 42 U.S.C. Sections 1971, 1975a-1975d, and 2000a-2000h-6 and the Regulations of the United States Department of Transportation (49 C.F.R. Part 21) issued pursuant to said Act, including Appendix "B", attached hereto and made a part hereof, and will require similar covenants on the part of any contractor or subcontractor employed in the performance of this contract.
- E. The parties will carry out the applicable requirements of the DEPARTMENT'S Disadvantaged Business Enterprise (DBE) program and 49 CFR, Part 26, including, but not limited to, those requirements set forth in Appendix C.

APPENDIX A PROHIBITION OF DISCRIMINATION IN STATE CONTRACTS

In connection with the performance of work under this contract; the contractor agrees as follows:

- In accordance with Public Act 453 of 1976 (Elliott-Larsen Civil Rights Act), the contractor shall not discriminate against an employee or applicant for employment with respect to hire, tenure, treatment, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of race, color, religion, national origin, age, sex, height, weight, or marital status. A breach of this covenant will be regarded as a material breach of this contract. Further, in accordance with Public Act 220 of 1976 (Persons with Disabilities Civil Rights Act), as amended by Public Act 478 of 1980, the contractor shall not discriminate against any employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment or a matter directly or indirectly related to employment because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants will be regarded as a material breach of this contract.
- 2. The contractor hereby agrees that any and all subcontracts to this contract, whereby a portion of the work set forth in this contract is to be performed, shall contain a covenant the same as hereinabove set forth in Section 1 of this Appendix.
- The contractor will take affirmative action to ensure that applicants for employment and employees are treated without regard to their race, color, religion, national origin, age, sex, height, weight, marital status, or any disability that is unrelated to the individual's ability to perform the duties of a particular job or position. Such action shall include, but not be limited to, the following: employment; treatment; upgrading; demotion or transfer; recruitment; advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
- 4. The contractor shall, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, age, sex, height, weight, marital status, or disability that is unrelated to the individual's ability to perform the duties of a particular job or position.
- 5. The contractor or its collective bargaining representative shall send to each labor union or representative of workers with which the contractor has a collective bargaining agreement or other contract or understanding a notice advising such labor union or workers' representative of the contractor's commitments under this Appendix.
- 6. The contractor shall comply with all relevant published rules, regulations, directives, and orders of the Michigan Civil Rights Commission that may be in effect prior to the taking of bids for any individual state project.

- The contractor shall furnish and file compliance reports within such time and upon such forms as provided by the Michigan Civil Rights Commission; said forms may also elicit information as to the practices, policies, program, and employment statistics of each subcontractor, as well as the contractor itself, and said contractor shall permit access to the contractor's books, records, and accounts by the Michigan Civil Rights Commission and/or its agent for the purposes of investigation to ascertain compliance under this contract and relevant rules, regulations, and orders of the Michigan Civil Rights Commission.
- In the event that the Michigan Civil Rights Commission finds, after a hearing held 8. pursuant to its rules, that a contractor has not complied with the contractual obligations under this contract, the Michigan Civil Rights Commission may, as a part of its order based upon such findings, certify said findings to the State Administrative Board of the State of Michigan, which State Administrative Board may order the cancellation of the contract found to have been violated and/or declare the contractor ineligible for future contracts with the state and its political and civil subdivisions, departments, and officers, including the governing boards of institutions of higher education, until the contractor complies with said order of the Michigan Civil Rights Commission. Notice of said declaration of future ineligibility may be given to any or all of the persons with whom the contractor is declared ineligible to contract as a contracting party in future contracts. In any case before the Michigan Civil Rights Commission in which cancellation of an existing contract is a possibility, the contracting agency shall be notified of such possible remedy and shall be given the option by the Michigan Civil Rights Commission to participate in such proceedings.
- The contractor shall include or incorporate by reference, the provisions of the foregoing paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Michigan Civil Rights Commission; all subcontracts and purchase orders will also state that said provisions will be binding upon each subcontractor or supplier.

Revised June 2011

APPENDIX B TITLE VI ASSURANCE

During the performance of this contract, the contractor, for itself, its assignees, and its successors in interest (hereinafter referred to as the "contractor"), agrees as follows:

- 1. <u>Compliance with Regulations</u>: For all federally assisted programs, the contractor shall comply with the nondiscrimination regulations set forth in 49 CFR Part 21, as may be amended from time to time (hereinafter referred to as the Regulations). Such Regulations are incorporated herein by reference and made a part of this contract.
- 2. <u>Nondiscrimination</u>: The contractor, with regard to the work performed under the contract, shall not discriminate on the grounds of race, color, sex, or national origin in the selection, retention, and treatment of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices, when the contractor covers a program set forth in Appendix B of the Regulations.
- 3. Solicitation for Subcontracts, Including Procurements of Materials and Equipment:
 All solicitations made by the contractor, either by competitive bidding or by negotiation for subcontract work, including procurement of materials or leases of equipment, must include a notification to each potential subcontractor or supplier of the contractor's obligations under the contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.
- 4. <u>Information and Reports</u>: The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto and shall permit access to its books, records, accounts, other sources of information, and facilities as may be determined to be pertinent by the Department or the United States Department of Transportation (USDOT) in order to ascertain compliance with such Regulations or directives. If required information concerning the contractor is in the exclusive possession of another who fails or refuses to furnish the required information, the contractor shall certify to the Department or the USDOT, as appropriate, and shall set forth the efforts that it made to obtain the information.
- 5. <u>Sanctions for Noncompliance</u>: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the Department shall impose such contract sanctions as it or the USDOT may determine to be appropriate, including, but not limited to, the following:
 - a. Withholding payments to the contractor until the contractor complies; and/or
 - b. Canceling, terminating, or suspending the contract, in whole or in part.

6. Incorporation of Provisions: The contractor shall include the provisions of Sections (1) through (6) in every subcontract, including procurement of material and leases of equipment, unless exempt by the Regulations or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the Department or the USDOT may direct as a means of enforcing such provisions, including sanctions for non-compliance, provided, however, that in the event a contractor becomes involved in or is threatened with litigation from a subcontractor or supplier as a result of such direction, the contractor may request the Department to enter into such litigation to protect the interests of the state. In addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

Revised June 2011

APPENDIX C

TO BE INCLUDED IN ALL FINANCIAL ASSISTANCE AGREEMENTS WITH LOCAL AGENCIES

Assurance that Recipients and Contractors Must Make (Excerpts from US DOT Regulation 49 CFR 26.13)

A. Each financial assistance agreement signed with a DOT operating administration (or a primary recipient) must include the following assurance:

The recipient shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of any US DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR Part 26. The recipient shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR Part 26 and as approved by US DOT, is incorporated by reference in this Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as Upon notification to the a violation of this agreement. recipient of its failure to carry out its approved program, the department may impose sanctions as provided for under Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C. 3801 et seq.).

B. Each contract MDOT signs with a contractor (and each subcontract the prime contractor signs with a subcontractor) must include the following assurance:

The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of US DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

VIETNAM VETERANS OF AMERICA Michael J. Bost Chapter 18 P. O. Box 1766 Grand Rapids, MI 49501 616-644-2787

July 14, 2022

Mayor Mike De Vore City of Lowell 301 East Main St Lowell, MI 49331

Dear Mayor De Vore

The Michael J. Bost Chapter 18 of the Vietnam Veterans of America will observe Prisoner of War/Missing in Action Recognition Day on Friday, September 16, 2022. We will have a brief ceremony at **2:00 PM** in the chapel in the new building of the Michigan Home for Veterans in Grand Rapids.

We would like the City of Lowell, with other communities, issue a proclamation declaring September 16, 2022 as Prisoner of War/Missing in Action Day. This resolution would then be presented to the Michael J. Bost Chapter of the Vietnam Veterans. A sample is included for your convenience.

Your presence is requested at this ceremony to make the presentation to the Vietnam Veterans of America Chapter 18. Out of respect for those who are present, we would appreciate dignitaries being present for the entire ceremony.

If you or your representative are able to attend this ceremony, please let us know.

Covid regulations will apply.

For further questions, please call Betty Pike 616-644-2787.

Thank you for your consideration.

Sincerely,

Tom Sibley
President
Michael J. Bost
Chapter 18
Vietnam Veterans of America

CITY OF LOWELL KENT COUNTY, MICHIGAN

RESOLUTION NO. 26-22

RESOLUTION TO PROVIDE FOR THE DESIGNATION OF SEPTEMBER 16, 2022, AS "PRISONER OF WAR/MISSING IN ACTION RECOGNITION DAY"

		supported by Councilmember	moved the adoption of the		
following res	solution:				
WHI	EREAS, the United S	tates has fought in many wars, one of the long	gest was the Vietnamese Conflict; and,		
	EREAS, Friday,, Sep ing as a result of any	tember 16, 2022 is a day of remembrance for conflict; and,	those who suffered as prisoners of war or		
servicemen a	ınd civilians including	operation has increased within the past few ye g 48 from the State of Michigan missing and u s has caused their families to suffer great hard	naccounted for in Indochina. The		
WHI this goal.	EREAS , increasing p	ublic awareness and focusing public attention	on this issue is one way to help achieve		
N OV be designated		E IT RESOLVED , by the Council of the City of	of Lowell, that September 16, 2022 shall		
	"PRISO!	NER OF WAR/MISSING IN ACTION RECO	OGNITION DAY"		
		note of this important issue and remember the estill missing and to commemorate the day w			
YEAS:	Councilmembers				
NAYS:	Councilmembers				
ABSTAIN:	Councilmembers				
ABSENT:	Councilmembers				
RESOLUTIO	ON DECLARED AD	OPTED.			
Dated: September 6, 2022		Susan	Ullery, City Clerk		
		CERTIFICATION			
true and com	plete copy of a resoli	of the City of Lowell, Michigan (the "City"), dution adopted by the City Council of the City and the city are given pursuant to, and in come	nt a regular meeting held on September 6,		

Susan Ullery, City Clerk

Dated: September 6, 2022

of Michigan of 1976, as amended.

LOWELL CITY COUNCIL

MEMORANDUM



DATE: September 1, 2022

TO: Mayor DeVore and Lowell City Council

FROM: Michael T. Burns, City Manager M 🔿

RE: Off Premises Tasting Room License

The City of Lowell has received a request to consider a resolution for a new Off-Premises Tasting Room License from Red Barn Antiques, located at 217 W. Main St.

Red Barn would like to allow for samples and sell wine from Love Wines based in Ludington. This approval would allow Red Barn Antiques to sell under the liquor license held by Love Wines.

Approval is needed from the local governing body to allow for Red Barn Antiques to be able to do this. Resolution 27-22 is presented for your consideration.

I recommend the Lowell City Council approve for Red Barn Antiques to seek an Off-Premises Tasting Room License for 217 W. Main St.



Michigan Department of Licensing and Regulatory Affairs **Liquor Control Commission (MLCC)**

Toll Free: 866-813-0011 • www.michigan.gov/lcc

=	(For MLCC use only)
Request ID:	
Business ID:	

Date

Local Government Approval For Off-Premises Tasting Room License

(Authorized by MCL 436.1536)

Instructions for Applicants:

Instructions for Local Legislative Body:

Print Name of Clerk

• You must obtain a recommendation from the local legislative body for a new Off-Premises Tasting Room License application.

At a m	neeting of the			council/board
(regular or special)	· · · · · · · · · · · · · · · · · · ·	(township, city, village		
called to order by		on	at	(time)
he following resolution was offered:		(date)		(ume)
Moved by		and supported by		
that the application from				
	(name of applicant - if a co	poration or limited liability compa	ny, please state the co	mpany name)
or a NEW OFF-PREMISES TASTING ROOM	I LICENSE			
		Wings LLC	<u> </u>	
to be located at: 217 W Marv	1 S. COVE	OTWE, D.		
Substitution of the substi		thic	application be co	nsidered for
t is the consensus of this body that it	(recommends/does		іррпсацоп ве сог	isiacica ioi
approval by the Michigan Liquor Control Co	·	iot recommendy		
		r <u>e</u>		
	are			
if disapproved, the reasons for disapproval	Yeas:		donted by the	
f disapproved, the reasons for disapproval	Yeas:	the resolution offered and a		(township, city, village)
If disapproved, the reasons for disapproval I hereby certify that the foregoing is true are council/board at a	Yeas:		·	(township, city, village)

Under Article IV, Section 40, of the Constitution of Michigan (1963), the Commission shall exercise complete control of the alcoholic beverage traffic within this state, including the retail sales thereof, subject to statutory limitations. Further, the Commission shall have the sole right, power, and duty to control the alcoholic beverage traffic and traffic in other alcoholic liquor within this state, including the licensure of businesses and individuals.

Signature of Clerk

Please return this completed form along with any corresponding documents to: Michigan Liquor Control Commission Mailing address: P.O. Box 30005, Lansing, MI 48909 Hand deliveries or overnight packages: Constitution Hall - 525 W. Allegan, Lansing, MI 48933

Fax to: 517-763-0059



1675 Green Road Ann Arbor, MI 48105-2530

T 734.662.3246 800.653.2483 F 734.662.8083 mml.org

July 18, 2022

Michigan Municipal League Annual Meeting Notice

(Please present at the next Council, Commission or Board Meeting)

Dear Official:

The Michigan Municipal League Annual Convention will be held in Muskegon, October 19-21, 2022. The League's "Annual Meeting" is scheduled for 4:30 pm on Wednesday, October 19 in Section D meeting room at the VanDyk Mortgage Convention Center. The meeting will be held for the following purposes:

- 1. Policy. A) To vote on the Core Legislative Principles document.
 - In regard to the proposed League Core Legislative Principles, the document is available on the League website at http://www.mml.org/delegate. If you would like to receive a copy of the proposed principles by fax or email, please call Monica Drukis at the League at 800-653-2483.
 - B) If the League Board of Trustees has presented any resolutions to the membership, they also will be voted on. (See #1 on page 2.)
 - In regard to resolutions, member municipalities planning on submitting resolutions for consideration by the League Trustees are reminded that under the Bylaws, they must be submitted to the Trustees for their review by <u>September 18, 2022</u>.
- 2. Other Business. To transact such other business as may properly come before the meeting.

Designation of Voting Delegates

Pursuant to the provisions of the League Bylaws, <u>you are requested to designate by action of your governing body one of your officials who will be in attendance at the Convention as your official representative to cast the vote of the municipality at the Annual Meeting, and, if possible, to designate one other official to serve as alternate. Please submit this information through the League website by visiting http://www.mml.org/delegate no later than September 18, 2022.</u>



Regarding the designation of an official representative of the member to the annual meeting, please note the following section of the League Bylaws:

"Section 4.4 - <u>Votes of Members</u>. Each member shall be equally privileged with all other members in its voice and vote in the election of officers and upon any proposition presented for discussion or decision at any meeting of the members. Honorary members shall be entitled to participate in the discussion of any question, but such members shall not be entitled to vote. The vote of each member shall be cast by its official representative attending the meeting at which an election of officers or a decision on any proposition shall take place. Each member shall, by action of its governing body prior to the annual meeting or any special meeting, appoint one official of such member as its principal official representative to cast the vote of the member at such meeting, and may appoint one official as its alternate official representative to serve in the absence or inability to act of the principal representative."

Statements of Policy and Resolutions

Regarding consideration of resolutions and statements of policy, under Section 4.5 of the League Bylaws, the Board of Trustees acts as the Resolutions Committee, and "no resolution or motion, except procedural and incidental matters having to do with business properly before the annual meeting or pertaining to the conduct of the meeting, shall be considered at the annual meeting unless it is either (1) submitted to the meeting by the Board of Trustees, or (2) submitted in writing to the Board of Trustees by resolution of the governing body of a member at least thirty (30) days preceding the date of the annual meeting." Thus, the deadline this year for the League to receive resolutions is September 18, 2022. Please submit resolutions to the attention of Daniel P. Gilmartin, Executive Director/CEO at 1675 Green Rd., Ann Arbor, MI 48105. Any resolution submitted by a member municipality will go to the League Board of Trustees, serving as the resolutions committee under the Bylaws, which may present it to the membership at the Annual Meeting or refer it to the appropriate policy committee for additional action.

Further, "Every proposed resolution submitted by a member shall be stated in clear and concise language and shall be accompanied by a statement setting forth the reasons for recommending the proposed resolution. The Board shall consider the proposal at a Board meeting prior to the next annual meeting and, after consideration, shall make a recommendation as to the advisability of adopting each such resolution or modification thereof."



2. Posting of Proposed Resolutions and Core Legislative Principles

The proposed Michigan Municipal League Core Legislative Principles and any new proposed Resolutions recommended by the Board of Trustees for adoption by the membership will be available on the League website, or at the League registration desk to permit governing bodies of member communities to have an opportunity to review such proposals and delegate to their voting representative the responsibility for expressing the official point of view of the member at the Annual Meeting.

The Board of Trustees will meet on Wednesday, October 19 at 4:30 pm in the Delta Hotel for the purpose of considering such other matters as may be requested by the membership, in addition to other agenda items.

Sincerely,

Barbara Ziarko President

City Council, Sterling Heights

Parbard Zierdo

Daniel P. Gilmartin Executive Director & CEO

Daniel P. Lismartin



Memorandum



DATE: September 1, 2022

TO: Michael Burns, City Manager

FROM: Daniel Czarnecki, Public Works Director

RE: YMCA Soccer Park Use Agreement

PUBLIC WORKS

The agreement between the City of Lowell and the YMCA of Greater Grand Rapids to utilize Creekside Park for their soccer program has expired. In discussions with the YMCA, they would like to continue their program and their use of this park.

A Park Use Agreement has been prepared for this use. The form is identical to the past agreement, except of the dates. The participation fees would stay the same as the previous agreement, at \$10.00 per participant. The agreement would expire March 31, 2025.

This request went before the Lowell Parks Board at their August meeting. The board agreed unanimously in support of this use and recommends that City Council approve the request.

It is recommended the Lowell City Council approve the agreement with the YMCA of Greater Grand Rapids as presented and authorize the Mayor to sign the agreement.

PUBLIC PARKS USE AGREEMENT

THIS PUBIC PARK USE AGREEMENT (the "Agreement") dated as of September 6, 2022, by and between the YMCA OF GREATER GRAND RAPIDS, a Michigan nonprofit corporation ("YMCA"), of 1335 W. Main St, Lowell, Michigan 49331 and the CITY OF LOWELL, a Michigan municipal corporation (the "City"), of 301 E. Main Street, Lowell, Michigan 49331.

RECITALS

- A. The City owns Creekside and Recreation Park, public parks (the "Parks"), within the city.
- B. The YMCA has requested permission to use the Parks for the purpose of games and related activities (the "Use").
- C. The City is willing to permit the YMCA to use the Parks for the Use subject to the terms and conditions of this Agreement.

NOW, **THEREFORE**, in consideration of the respective representations, covenants and agreements contained herein, the parties hereto agree as follows:

- 1. Use of Parks. The city agrees, pursuant to the terms and conditions of this Agreement to permit the YMCA to use the Parks for the Use.
- 2. Usage Fees. The YMCA shall pay the City the following usage fees:
 - A. Participation Fee. An annual participation fee shall be paid by the YMCA to the City for each YMCA participant participating in the YMCA activities at the Parks (the "Participation Fee"). The Participant Fee for the 2022 calendar year shall be \$10.00 per participant. The Participant Fee for subsequent calendar years during any extensions of the term of the Agreement shall be established by the City. The City agrees to notify the YMCA of the amount of the Participant Fee on or before November 1 proceeding the calendar year the Participant Fee is to be in effect. The Participant Fee shall be paid by the YMCA to the City not less than 30 days prior to the date the YMCA's activities are scheduled to begin at the Parks. The City will rely on the YMCA's signed written statement of the total number of participants to which the Participant Fee applies, provided, however, the YMCA will provide documentation of the number of such participants upon request of the City.
 - **B.** Tournament Fee. The YMCA shall pay the City a fee of \$100 per day for each day the YMCA holds a tournament, play-off games or all-star game and such use prevents the City from renting the pavilion at Creekside Park to another user (the "Tournament Fee"). The YMCA shall pay the City not less than 30 days before such activity is scheduled to be held.

- 3. Scheduling of Activities. The City shall be responsible for coordinating the scheduling of all activities of the YMCA and other users of the Parks. The YMCA agrees to work cooperatively with other users of the Parks. The YMCA agrees not to reserve fields at the Parks and then not use them except in the event of weather conditions or other extraordinary circumstances which prevent such use. The City shall determine the final schedule of activities at the Parks giving priority, in the event of a conflict, to the activities which will have the greatest number of participants.
- 4. Maintenance. During the time it has activities at the Parks, the YMCA shall be responsible for keeping those portions of the Parks it is using including the restrooms clean of litter and other debris and in an orderly and safe condition.
- 5. Utilities. To the extent determinable by the City, the YMCA shall be responsible for the timely payment of the cost of utilities, i.e., water, sanitary sewer, electric, etc., directly related to facilities it is using at the Parks. The City and the YMCA shall mutually agree on the method of measuring utility usage and the cost thereof.
- 6. General Maintenance. The City will be responsible for mowing the athletic fields at the Parks used by the YMCA as needed during the time such fields are being used by the YMCA and for providing routine cleaning and maintenance of the Parks' restroom and other facilities. The City will be responsible for one application per year of fertilizer and weed control to the athletic fields used by the YMCA. The YMCA shall be responsible, under the City's supervision, for repairing or restoring any damage or deterioration of such athletic fields or other facilities in the Parks caused by the YMCA's abnormal use.
- 7. Concession Permits. If the YMCA operates a concession business during its use of the Parks, it shall be responsible for obtaining and keeping current any licenses and permits required by the Kent County Department of Public Health or other governmental body or agency.
- 8. Indemnification and Insurance. The YMCA shall indemnify and hold harmless the City and its officers, councilmembers, agents and employees from and against any and all losses, expenses (including attorney fees and costs), claims and demands sustained by reason of negligence of the YMCA and its members, volunteers, participants, guests and invitees while using the Parks. The YMCA shall obtain and continuously maintain in effect during the term of this Agreement a policy of general liability insurance in the amount of \$2,000,000 per occurrence and in the annual aggregate with an insurance company licensed to do business in the State of Michigan. The City shall be named an additional insured on the policy and the policy shall provide a waiver of subrogation and at least 30 days written notice to the City of any cancellation, termination or material modification of the policy. The YMCA shall provide the City a current copy of the policy or certificate of insurance evidencing such coverage.
- 9. Term. The term of the Agreement shall begin on September 15, 2022, and end on March 31 2025. Thereafter, upon written approval of the City Council and the YMCA, this agreement may be renewed for successive one-year terms.

10. Annual Review. The YMCA and the City agree to meet annually each year, to review this Agreement and the use of the Parks by the YMCA during the prior calendar year.

9 1 9

- 11. Early Termination. This Agreement may be terminated by either party upon written notice to the other party of failure to comply with the terms of this Agreement and continued non-compliance for 30 days after such notice is given. In addition, this Agreement may be terminated at any time with or without cause upon 180 days advance written notice by one party to the other party. Any notice given to the City shall be by first class mail or personal delivery to 310 East Main Street, Lowell, Michigan 49331, Attention: City Manager and to the YMCA by first class mail for personal delivery to 1250 W. Main St., Lowell, Michigan 49331, Attention: President. Either party may notify the other of a change in the notice address by written notice in accordance with this paragraph.
- 12. Applicable Law. This Agreement shall be interpreted in accordance with the laws of the State of Michigan.
- 13. Entire Agreement. This Agreement constitutes the entire agreement between the parties hereto related to the subject matter hereto and there are no other representations, promises or agreements, oral or written, expressed or implied between the parties hereto.
- 14. Amendment and Assignment. This Agreement may not be amended or assigned without the prior written consent of both parties hereto.

IN WITNESS WHEREOF, the City and the YMCA have caused these present by their respective authorized officer(s), all as of the day and year first written above.

Sept. 18 18 18

LOWELL YOUNG MEN'S CHRISTIAN ASSOCIATION, a branch of the YMCA OF GREATER GRAND RAPIDS

By:
Its:
CITY OF LOWELL
By:Michael DeVore, Mayor
Attest:Susan Ullery, City Clerk

Memorandum



DATE: September 1, 2022

TO: Michael Burns, City Manager

FROM: Daniel Czarnecki, Public Works Director

RE: Surplus Equipment

PUBLIC WORKS

A review of unused equipment at the DPW has come up with the following list:

2000 John Deere Gator (Unit #8)

2014 Ex-Mark 36-inch Mower (Unit #54)

2000 Scagg 36-inch Mower

Monroe Salt Spreaders (3 unused units)

2017 Paladin Loader Bucket 3-yd

2010 Impala Staff Car (Unit #W-301)

2016 Chevy Pickup Box

1997 Airlessco Paint Machine

1954 Allis-Chalmers Motor Grader (Unit #30)

Toledo Floor Scale

This Gator is not used as there are several issues with it. We also have a new Gator budgeted for this current fiscal year to replace a second Gator currently used at the cemetery.

The mowers were previously replaced, the two on this list are no longer being used by DPW. Salt spreaders are spares that are unused. We have two front line salt spreaders plus one spare. The loader bucket is unused.

The Impala is worn out. It has been replaced with a Chevy Bolt electric car.

We have two other paint machines for installing traffic and parking lines.

The Motor Grader has not been used by DPW for several years. We utilize the plow truck underbelly plow blade for grading the few gravel drives we have (airport, Rec Park). The unit does start and is finicky to operate. Based on the amount of old construction guys who stop and look at/question the unit, we might be able to get a good return on selling this unit at this time.

We have been in contact with Ranger Bid (https://www.rangerbid.com/) for online sales of this excess equipment. My understanding is the City has used them in the past to help with selling our excess equipment. Any funds received from the sales can be placed in the Equipment Fund for future purchases of equipment.

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Unit No.	Schedule C. Code No.	Туре	Make	Model Year	Model of Series	VIN	GVW Size, Weight, Etc.	Age of machine
8	96 415	All Terrain Utility Vehicle	John Decre	2000	6x4 Gator	W006X4X054831	6X4 Gasoline	22
54	81,255	Rotary Mower	Ex-Mark	2014	VTS541KA363	314642507	36"	8
8		Rotary Mower	Scagg	2000	STSM-72		36"	22
Arr.		Salt spreaders	Monroe	Various			10 R .	
31-3	85,307	Bucket	Paladin	2017	90H1238		3 Yards	5
W-301	10.100	Staff Car	Chevrolet	2010	Impala (Old police car)			12
		Scale	Toledo					
		Pickup Box	Chevrolet	2016	New pickup box removed to install service body on #9			
		Paint striper	Airlessco	1997				



















