

August 5, 2021
Project No. 210750

Paul "P.J." Thuringer
Development Project Coordinator
City of Kalamazoo
Community Planning and Economic Development
245 West South Street
Kalamazoo, MI 49007

Phase II Environmental Site Assessment (ESA) Summary
322 East Stockbridge Avenue, City of Kalamazoo, Kalamazoo County, Michigan
(Parcel ID Number 06-22-460-001)

Dear P.J.:

This letter report has been prepared to summarize the Phase II ESA conducted on 322 East Stockbridge Avenue, City of Kalamazoo, Kalamazoo County, Michigan (the Site) Parcel No. 06-22-460-001. A Location Map is provided as Figure 1.

Background

Fishbeck conducted a Phase I ESA on the Site dated May 24, 2021. The Phase I ESA identified the following Recognized Environmental Condition (REC):

- Portage Creek sediments are known to be contaminated with polychlorinated biphenyls (PCBs) originating from the Allied Paper/Portage Creek/Kalamazoo River Superfund Site. Baseline Environmental Assessments (BEAs) reviewed for properties also located in the Portage Creek floodplain identified PCB-impacted soils in the creek itself and in the floodplains. Therefore, PCBs may be present on the Site in the floodplain soils.

This report documents the findings of the Phase II ESA investigation.

Phase II ESA Investigation

The scope of the Phase II ESA included the completion of three soil borings on the Site within the Portage Creek floodplain. On July 21, 2021, three soil samples (SS-01 through SS-03) were collected at the Site. The borings were extended to a depth of approximately 1 foot below the ground surface (bgs) using a stainless-steel hand auger, which was decontaminated prior to each sample location. During the completion of the borings, soils were described by a Fishbeck geologist. The soil sample locations are shown on Figure 2.

The soil samples were collected directly into laboratory-prepared bottles, stored on ice in an insulated cooler, sealed, and transported under chain-of-custody documentation to ALS Group, USA, Holland, Michigan, for laboratory analysis of PCBs.

Discussion of Results

The soils encountered during the Phase II ESA activities generally consisted of medium- to fine-grained sand with gravel.

PCBs were not detected at concentrations exceeding laboratory reporting limits or Michigan Department of Environment, Great Lakes, and Energy (EGLE) Part 201 Generic Residential Cleanup Criteria (GRCC) in any of the samples.

The laboratory data sheets showing the analytical results are included in Attachment 1, and the soil data is summarized in Table 1.

Conclusions

The Phase II ESA included the collection of three soil samples to address the REC identified during the May 2021 Phase I ESA. The soil samples did not identify any constituents at concentrations exceeding laboratory reporting limits or EGLE Part 201 GRCC. Therefore, based on the Phase II ESA investigation, the Site is not a *facility*. The completion of a Baseline Environmental Assessment for the Site is not warranted, and no further actions are required at this time.

If you have any questions or require additional information, please contact me at 269.544.6948 or email tcampbell@fishbeck.com.

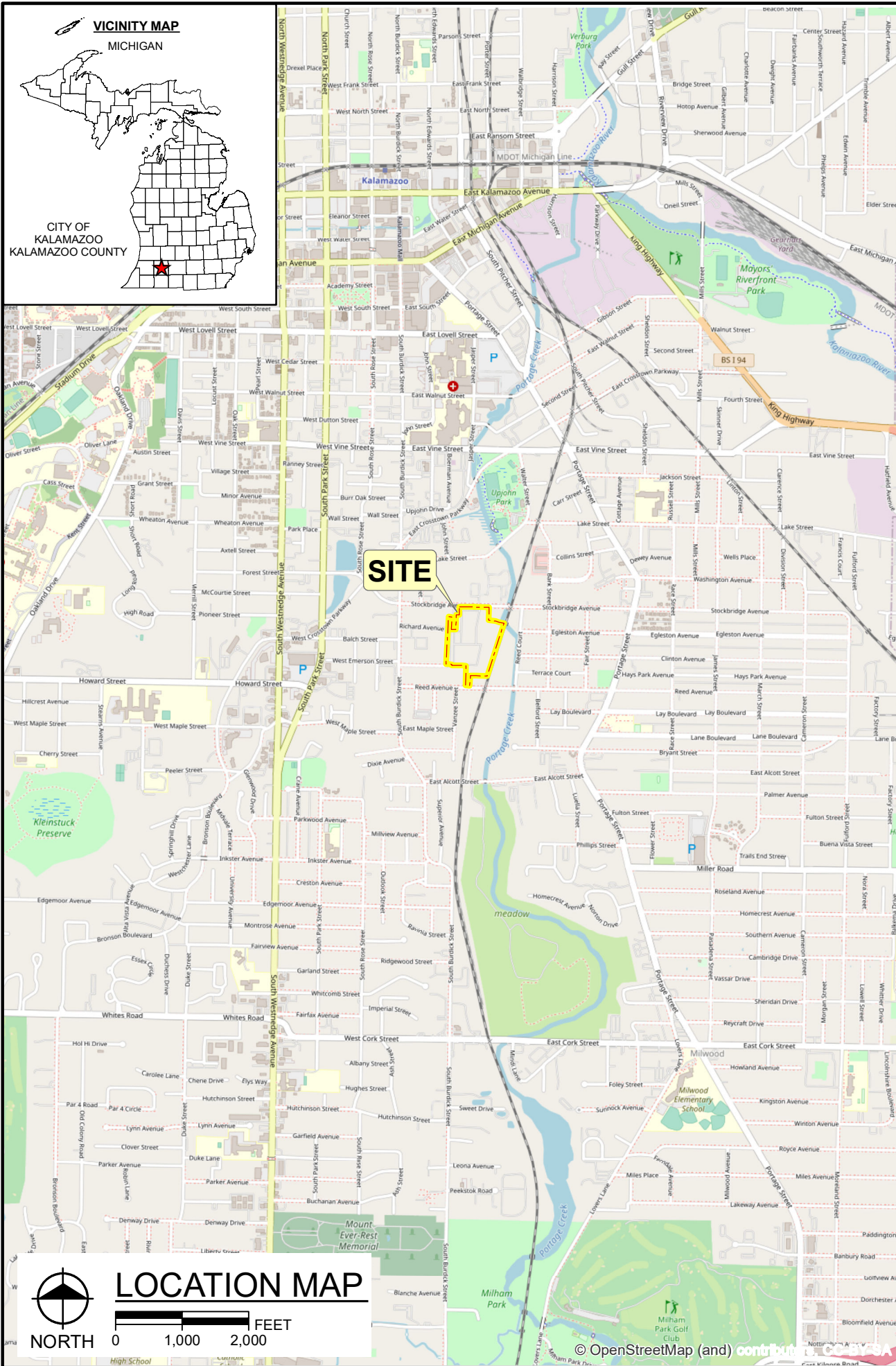
Sincerely,



Todd Campbell, CPG
Senior Geologist

Attachments
By email

Figures



VICINITY MAP

MICHIGAN



CITY OF
KALAMAZOO
KALAMAZOO COUNTY

SITE

LOCATION MAP



0 1,000 2,000 FEET

PLOT INFO: Z:\2021\1210750\CAD\GIS\mapdoc\Phase II\FIG01_LOCATIONS MAP.mxd Date: 8/4/2021 1:53:30 PM User: BAHANNAH



Engineers | Architects | Scientists | Constructors

Hard copy is intended to be 8.5"x11" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

The City of Kalamazoo
322 East Stockbridge Avenue, Kalamazoo, Michigan
Phase II
Environmental Site Assessment

PROJECT NO.
210750

FIGURE NO.
1

Tables

Table 1 - Soil Data Summary

Phase II Environmental Site Assessment
 322 East Stockbridge Avenue
 August 2021

Sample Location: Depth Interval (ft): Investigative/Field Duplicate/QC: Laboratory ID: Collection Date:	21-07-SS-01 (1) Investigative 21071728-01 07/21/21	21-07-SS-02 (0.5-1) Investigative 21071728-02 07/21/21	21-07-SS-03 (1) Investigative 21071728-03 07/21/21	Statewide Default Background Levels ⁽¹⁾	Drinking Water Protection Criteria ⁽¹⁾	GSIP Criteria ⁽¹⁾	Soil Volatilization to Indoor Air Inhalation Criteria ⁽¹⁾	Infinite Source VSIC ⁽¹⁾	Finite VSIC for 5 Meter Source Thickness ⁽¹⁾	Finite VSIC for 2 Meter Source Thickness ⁽¹⁾	Particulate Soil Inhalation Criteria ⁽¹⁾	Direct Contact Criteria ⁽¹⁾	Soil Saturation Concentration SL ⁽¹⁾
Polychlorinated Biphenyls	CAS Number												
PCB 1016	12674-11-2	72 U	83 U	93 U	--	--	--	--	--	--	--	--	--
PCB 1221	11104-28-2	72 U	83 U	93 U	--	--	--	--	--	--	--	--	--
PCB 1232	11141-16-5	72 U	83 U	93 U	--	--	--	--	--	--	--	--	--
PCB 1242	53469-21-9	72 U	83 U	93 U	--	--	--	--	--	--	--	--	--
PCB 1248	12672-29-6	72 U	83 U	93 U	--	--	--	--	--	--	--	--	--
PCB 1254	11097-69-1	72 U	83 U	93 U	--	--	--	--	--	--	--	--	--
PCB 1260	11096-82-5	72 U	83 U	93 U	--	--	--	--	--	--	--	--	--
Total PCBs (J)	1336-36-3	72 U	83 U	93 U	NA	NLL	NLL	3.00E+06	2.40E+05	7.90E+06	7.90E+06	5.20E+06	(T)
Moisture (%)	--	14.0	20.0	28.0	--	--	--	--	--	--	--	--	--

Results expressed in µg/Kg dry weight.

Bolded values exceed Statewide Default Background Level and an applicable criterion or screening level.

Underlined parameters are classified as Polynuclear Aromatic Compounds.

Data Qualifiers:

U Not detected

Footnotes/Abbreviations:

⁽¹⁾ Part 201 Residential Soil Generic Cleanup Criteria and Screening Levels/Part 213 Risk-based Screening Levels, December 30, 2013 (GSI Criteria Updated June 25, 2018).

(T) Refer to federal Toxic Substances Control Act (TSCA), 40 CFR 761 Subparts D and G, to determine applicability of TSCA cleanup standards.

GSIP groundwater surface water interface protection

NA not available

NLL Not likely to leach under most soil conditions.

SL screening level

VSIC volatile soil inhalation criteria

Attachment 1



29-Jul-2021

Todd Campbell
Fishbeck, Inc.
1515 Arboretum Dr SE
Grand Rapids, MI 49546

Re: **City of Kalamazoo 322 East Stockbridge Phase II**

Work Order: **21071728**

Dear Todd,

ALS Environmental received 3 samples on 21-Jul-2021 02:47 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 12.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in cursive script that reads "Jodi Blouw".

Electronically approved by: Jodi Blouw

Jodi Blouw

Report of Laboratory Analysis

Certificate No: MN 026-999-449

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: Fishbeck, Inc.
Project: City of Kalamazoo 322 East Stockbridge Phase II
Work Order: 21071728

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
21071728-01	COK-21-07-SS-01 (1') I	Soil		7/21/2021 11:40	7/21/2021 14:47	<input type="checkbox"/>
21071728-02	COK-21-07-SS-02 (0.5-1') I	Soil		7/21/2021 11:55	7/21/2021 14:47	<input type="checkbox"/>
21071728-03	COK-21-07-SS-03 (1') I	Soil		7/21/2021 12:35	7/21/2021 14:47	<input type="checkbox"/>

Client: Fishbeck, Inc.
Project: City of Kalamazoo 322 East Stockbridge Phase II
WorkOrder: 21071728

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight

Client: Fishbeck, Inc.
Project: City of Kalamazoo 322 East Stockbridge Phase II
Work Order: 21071728

Case Narrative

Samples for the above noted Work Order were received on 07/21/2021. The attached "Sample Receipt Checklist" documents the status of custody seals, container integrity, preservation, and temperature compliance.

Samples were analyzed according to the analytical methodology previously transmitted in the "Work Order Acknowledgement". Methodologies are also documented in the "Analytical Result" section for each sample. Quality control results are listed in the "QC Report" section. Sample association for the reported quality control is located at the end of each batch summary. If applicable, results are appropriately qualified in the Analytical Result and QC Report sections. The "Qualifiers" section documents the various qualifiers, units, and acronyms utilized in reporting. A copy of the laboratory's scope of accreditation is available upon request.

With the following exceptions, all sample analyses achieved analytical criteria.

Extractable Organics:

No deviations or anomalies were noted.

Wet Chemistry:

Batch R322810, Method SW3550C, Sample 21071728-01A DUP: The RPD between the sample and its duplicate was out of control. The corresponding sample result should be considered estimated for this analyte.

No other deviations or anomalies were noted.

ALS Group, USA

Date: 29-Jul-21

Client: Fishbeck, Inc.
Project: City of Kalamazoo 322 East Stockbridge Phase II
Sample ID: COK-21-07-SS-01 (1') I
Collection Date: 7/21/2021 11:40 AM

Work Order: 21071728
Lab ID: 21071728-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			Method: SW8082		Prep: SW3546 / 7/27/21		Analyst: RM
Aroclor 1016		U	25	72	µg/Kg-dry	1	7/28/2021 16:46
Aroclor 1221		U	25	72	µg/Kg-dry	1	7/28/2021 16:46
Aroclor 1232		U	25	72	µg/Kg-dry	1	7/28/2021 16:46
Aroclor 1242		U	25	72	µg/Kg-dry	1	7/28/2021 16:46
Aroclor 1248		U	25	72	µg/Kg-dry	1	7/28/2021 16:46
Aroclor 1254		U	20	72	µg/Kg-dry	1	7/28/2021 16:46
Aroclor 1260		U	20	72	µg/Kg-dry	1	7/28/2021 16:46
Surr: Decachlorobiphenyl	75.3			40-140	%REC	1	7/28/2021 16:46
Surr: Tetrachloro-m-xylene	73.5			45-124	%REC	1	7/28/2021 16:46
MOISTURE			Method: SW3550C				Analyst: ALG
Moisture	14		0.10	0.10	% of sample	1	7/26/2021 10:12

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Jul-21

Client: Fishbeck, Inc.
Project: City of Kalamazoo 322 East Stockbridge Phase II
Sample ID: COK-21-07-SS-02 (0.5-1') I
Collection Date: 7/21/2021 11:55 AM

Work Order: 21071728
Lab ID: 21071728-02
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			Method: SW8082		Prep: SW3546 / 7/27/21		Analyst: RM
Aroclor 1016	U		29	83	µg/Kg-dry	1	7/28/2021 17:00
Aroclor 1221	U		29	83	µg/Kg-dry	1	7/28/2021 17:00
Aroclor 1232	U		29	83	µg/Kg-dry	1	7/28/2021 17:00
Aroclor 1242	U		29	83	µg/Kg-dry	1	7/28/2021 17:00
Aroclor 1248	U		29	83	µg/Kg-dry	1	7/28/2021 17:00
Aroclor 1254	U		23	83	µg/Kg-dry	1	7/28/2021 17:00
Aroclor 1260	U		23	83	µg/Kg-dry	1	7/28/2021 17:00
Surr: Decachlorobiphenyl	57.5			40-140	%REC	1	7/28/2021 17:00
Surr: Tetrachloro-m-xylene	67.6			45-124	%REC	1	7/28/2021 17:00
MOISTURE			Method: SW3550C				Analyst: CDG
Moisture	20		0.10	0.10	% of sample	1	7/23/2021 15:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 29-Jul-21

Client: Fishbeck, Inc.
Project: City of Kalamazoo 322 East Stockbridge Phase II
Sample ID: COK-21-07-SS-03 (1') I
Collection Date: 7/21/2021 12:35 PM

Work Order: 21071728
Lab ID: 21071728-03
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
PCBS			Method: SW8082		Prep: SW3546 / 7/27/21		Analyst: RM
Aroclor 1016		U	32	93	µg/Kg-dry	1	7/28/2021 17:14
Aroclor 1221		U	32	93	µg/Kg-dry	1	7/28/2021 17:14
Aroclor 1232		U	32	93	µg/Kg-dry	1	7/28/2021 17:14
Aroclor 1242		U	32	93	µg/Kg-dry	1	7/28/2021 17:14
Aroclor 1248		U	32	93	µg/Kg-dry	1	7/28/2021 17:14
Aroclor 1254		U	26	93	µg/Kg-dry	1	7/28/2021 17:14
Aroclor 1260		U	26	93	µg/Kg-dry	1	7/28/2021 17:14
Surr: Decachlorobiphenyl	84.0			40-140	%REC	1	7/28/2021 17:14
Surr: Tetrachloro-m-xylene	92.3			45-124	%REC	1	7/28/2021 17:14
MOISTURE			Method: SW3550C				Analyst: CDG
Moisture	28		0.10	0.10	% of sample	1	7/23/2021 15:23

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: Fishbeck, Inc.

QC BATCH REPORT

Work Order: 21071728

Project: City of Kalamazoo 322 East Stockbridge Phase II

Batch ID: **180910**

Instrument ID **GC14**

Method: **SW8082**

MBLK		Sample ID: PBLKS1-180910-180910				Units: µg/Kg		Analysis Date: 7/28/2021 10:32 AM			
Client ID:		Run ID: GC14_210728A				SeqNo: 7616239		Prep Date: 7/27/2021		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	U	23	67								
Aroclor 1221	U	23	67								
Aroclor 1232	U	23	67								
Aroclor 1242	U	23	67								
Aroclor 1248	U	23	67								
Aroclor 1254	U	19	67								
Aroclor 1260	U	19	67								
<i>Surr: Decachlorobiphenyl</i>	32.55	0	0	33.3	0	97.7	40-140	0			
<i>Surr: Tetrachloro-m-xylene</i>	30.72	0	0	33.3	0	92.2	45-124	0			

LCS		Sample ID: PLCSS1-180910-180910				Units: µg/Kg		Analysis Date: 7/28/2021 10:45 AM			
Client ID:		Run ID: GC14_210728A				SeqNo: 7616240		Prep Date: 7/27/2021		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	875.1	23	67	833	0	105	50-130	0			
Aroclor 1260	847.4	19	67	833	0	102	50-130	0			
<i>Surr: Decachlorobiphenyl</i>	35.6	0	0	33.3	0	107	40-140	0			
<i>Surr: Tetrachloro-m-xylene</i>	32.52	0	0	33.3	0	97.6	45-124	0			

MS		Sample ID: 21071881-01A MS				Units: µg/Kg		Analysis Date: 7/28/2021 10:59 AM			
Client ID:		Run ID: GC14_210728A				SeqNo: 7616241		Prep Date: 7/27/2021		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	569.3	23	66	822.9	0	69.2	40-140	0			
Aroclor 1260	481.5	18	66	822.9	0	58.5	40-140	0			
<i>Surr: Decachlorobiphenyl</i>	19.18	0	0	32.9	0	58.3	40-140	0			
<i>Surr: Tetrachloro-m-xylene</i>	18.19	0	0	32.9	0	55.3	45-124	0			

MSD		Sample ID: 21071881-01A MSD				Units: µg/Kg		Analysis Date: 7/28/2021 11:13 AM			
Client ID:		Run ID: GC14_210728A				SeqNo: 7616242		Prep Date: 7/27/2021		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Aroclor 1016	440.9	22	65	816.4	0	54	40-140	569.3	25.4	50	
Aroclor 1260	437.9	18	65	816.4	0	53.6	40-140	481.5	9.49	50	
<i>Surr: Decachlorobiphenyl</i>	18	0	0	32.64	0	55.2	40-140	19.18	6.35	50	
<i>Surr: Tetrachloro-m-xylene</i>	17.18	0	0	32.64	0	52.7	45-124	18.19	5.71	50	

The following samples were analyzed in this batch: 21071728-01A 21071728-02A 21071728-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Fishbeck, Inc.
 Work Order: 21071728
 Project: City of Kalamazoo 322 East Stockbridge Phase II

QC BATCH REPORT

Batch ID: **R322810** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R322810				Units: % of sample			Analysis Date: 7/23/2021 03:23 PM		
Client ID:		Run ID: MOIST_210723E				SeqNo: 7607244		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.1	0.10								

LCS		Sample ID: LCS-R322810				Units: % of sample			Analysis Date: 7/23/2021 03:23 PM		
Client ID:		Run ID: MOIST_210723E				SeqNo: 7607243		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.99	0.1	0.10	100	0	100	98-102	0			

DUP		Sample ID: 21071594-01B DUP				Units: % of sample			Analysis Date: 7/23/2021 03:23 PM		
Client ID:		Run ID: MOIST_210723E				SeqNo: 7607229		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	10.79	0.1	0.10	0	0	0	0-0	11.03	2.2	10	

DUP		Sample ID: 21071728-01A DUP				Units: % of sample			Analysis Date: 7/23/2021 03:23 PM		
Client ID: COK-21-07-SS-01 (1') I		Run ID: MOIST_210723E				SeqNo: 7607240		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.43	0.1	0.10	0	0	0	0-0	10.57	23.8	10	R

The following samples were analyzed in this batch: 21071728-01A 21071728-02A 21071728-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Fishbeck, Inc.
 Work Order: 21071728
 Project: City of Kalamazoo 322 East Stockbridge Phase II

QC BATCH REPORT

Batch ID: **R322914** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R322914				Units: % of sample			Analysis Date: 7/26/2021 10:12 AM		
Client ID:		Run ID: MOIST_210726B				SeqNo: 7611259		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	U	0.1	0.10								

LCS		Sample ID: LCS-R322914				Units: % of sample			Analysis Date: 7/26/2021 10:12 AM		
Client ID:		Run ID: MOIST_210726B				SeqNo: 7611258		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	99.96	0.1	0.10	100	0	100	98-102	0			

DUP		Sample ID: 21071815-01C DUP				Units: % of sample			Analysis Date: 7/26/2021 10:12 AM		
Client ID:		Run ID: MOIST_210726B				SeqNo: 7611243		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	36.39	0.1	0.10	0	0	0	0-0	32.49	11.3	10	R

DUP		Sample ID: 21071841-05A DUP				Units: % of sample			Analysis Date: 7/26/2021 10:12 AM		
Client ID:		Run ID: MOIST_210726B				SeqNo: 7611252		Prep Date:		DF: 1	
Analyte	Result	MDL	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Moisture	13.54	0.1	0.10	0	0	0	0-0	13.56	0.148	10	

The following samples were analyzed in this batch: 21071728-01A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Sample Receipt Checklist

Client Name: FTCH - GR

Date/Time Received: 21-Jul-21 14:47

Work Order: 21071728

Received by: LYS

Checklist completed by Lydia Sweet 21-Jul-21
eSignature Date

Reviewed by: Jodi Blum 23-Jul-21
eSignature Date

Matrices: Soil
Carrier name: Client

Shipping container/cooler in good condition? Yes [checked] No [] Not Present []
Custody seals intact on shipping container/cooler? Yes [] No [] Not Present [checked]
Custody seals intact on sample bottles? Yes [] No [] Not Present [checked]
Chain of custody present? Yes [checked] No []
Chain of custody signed when relinquished and received? Yes [checked] No []
Chain of custody agrees with sample labels? Yes [checked] No []
Samples in proper container/bottle? Yes [checked] No []
Sample containers intact? Yes [checked] No []
Sufficient sample volume for indicated test? Yes [checked] No []
All samples received within holding time? Yes [checked] No []
Container/Temp Blank temperature in compliance? Yes [checked] No []
Sample(s) received on ice? Yes [checked] No []
Temperature(s)/Thermometer(s): 3.0/3.0C IR1
Cooler(s)/Kit(s):
Date/Time sample(s) sent to storage: 7/21/2021 3:37:47 PM
Water - VOA vials have zero headspace? Yes [] No [] No VOA vials submitted [checked]
Water - pH acceptable upon receipt? Yes [] No [] N/A [checked]
pH adjusted? Yes [] No [] N/A [checked]
pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:
Contacted By: Regarding:

Comments:

CorrectiveAction: