



T H E

CITY of PELLA

STAFF MEMO TO COUNCIL

ITEM NO: H-2

SUBJECT: Southside Beautification Project Update

DATE: March 21, 2023

BACKGROUND:

The purpose of this Policy and Planning item is to update Council on the Southside Beautification project. As background, in 2019, the city entered into an agreement with Civil Design Advantage (CDA) to conduct Master Planning services for a 2.75-acre site located in the 500 block of Oskaloosa Street. This location is the former site of the city's coal power plant that was deconstructed in 2014. An ad hoc committee consisting of two Council members, representatives from Pella Historical, and city staff, was informally developed to work with the engineer on the proposed project.

Project Details

The project scope included site improvements such as tulip fields, historical story-telling signage or sculptures focusing on Pella's southside, improved landscaping, a multi-purpose trail system, gathering areas, off-street parking, and a plan for accommodating tour bus traffic. The master plan, which is included as a memo attachment, was presented to Council on December 17, 2019. Funds for project engineering and design were included in the fiscal year (FY) 21/22 budget with construction planned for FY 22/23.

Preliminary Engineering Services and Environmental Assessment

In December 2021, the city entered into an agreement with CDA to conduct preliminary engineering services including Phase 1 and Phase 2 environmental site assessments, master plan concept review, and concept plan update based on results from the environmental site assessments. CDA subcontracted with Impact7G to complete the environmental site assessments.

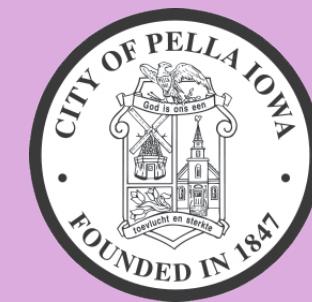
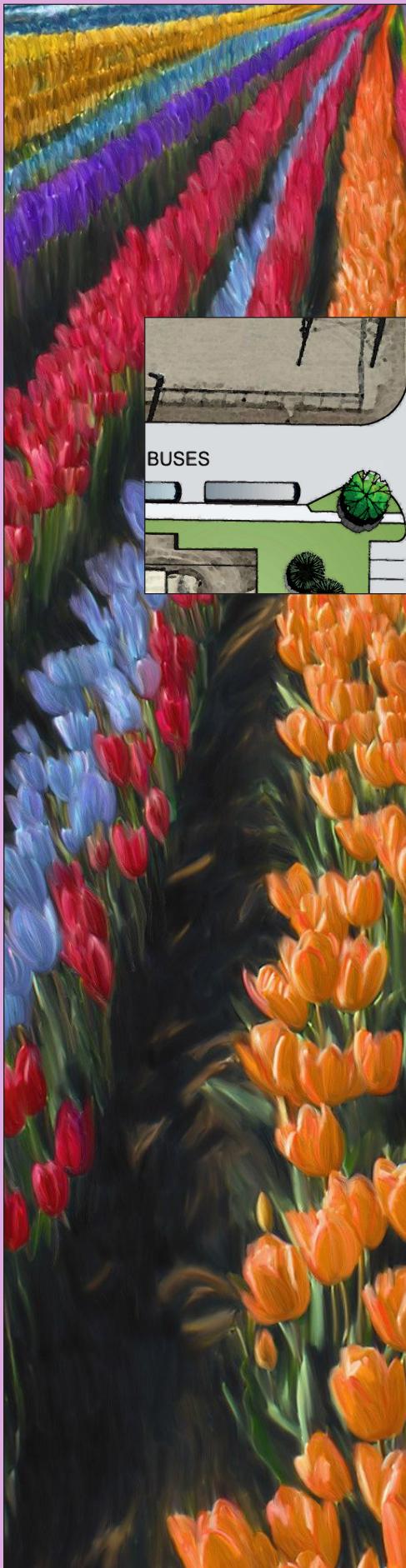
The Phase 1 environmental site assessment resulted in the recommendation to move into Phase 2 which included taking soil samples. In September, the site was divided into six ½-acre sections and four borings were taken from each section. Lab analysis of the samples indicated levels of arsenic for all six locations and lead in one section that exceeded the Iowa Department of Natural Resources (IDNR) Statewide Standard. The IDNR's Cumulative Risk Calculator was used to determine the cumulative risk for site workers and construction workers. Based on the laboratory results and applicable regulatory standards, it is the opinion of Impact7G that the detected soil contamination at the property represents minimal risk to human health and the environment. No further investigation or remedial actions are recommended by Impact7G.

Summary

Staff is seeking Council direction regarding the attached environmental assessment results. Specifically, staff would like to determine whether Council believes that the assessment results are sufficient to allow the project to proceed, or whether Council would like to seek a regulatory review from the IDNR. During this Policy and Planning session, staff will be discussing this option with Council.

- ATTACHMENTS: Southside Beautification Project Master Plan, Environmental Assessment
- REPORT PREPARED BY: Community Services Director
- REPORT REVIEWED BY: City Administrator, City Clerk
- RECOMMENDED ACTION: Seeking Council direction

SOUTHSIDE BEAUTIFICATION PROJECT



Pella Historical Society



PREPARED BY:
CIVIL DESIGN ADVANTAGE
DECEMBER 12, 2019

SOUTHSIDE BEAUTIFICATION PROJECT

CONTENTS

Introduction.....	1
The Planning Process.....	3
The Master Plan.....	6
Costs and Phasing.....	10
Appendix.....	13



SOUTHSIDE BEAUTIFICATION PROJECT

INTRODUCTION

Introduction

Purpose of the Master Plan

Early Ideas

Early Concerns



SOUTHSIDE BEAUTIFICATION PROJECT

INTRODUCTION

In 2014, the City of Pella's coal-fueled plant was deconstructed and removed from the site in the 500 block of Oskaloosa Street. Although the buildings were removed, significant sections of foundation were left and were buried. 'Topsoil' was brought in to cover the demolished site. Since that time, it has been vacant, and there has been much discussion regarding the long-term plans for the site.

Now, the City of Pella, together with Pella Historical Society, is moving forward with a Master Plan that will provide space for the Historical Society's tulip field project and also, at some level, initiate implementation of the Oskaloosa Street Corridor Development Guidelines. Oskaloosa Street is recognized to be a vital economic and aesthetic corridor, and is a major gateway for downtown visitors. This project has great potential to contribute to both the economic and aesthetic quality of the corridor.

A committee was created to guide the development of this Master Plan. The committee members include:

Jeanette Vaughan, Pella Community Services
 Lynn Branderhorst, Pella City Council
 Tony Bockhoven, Pella City Council
 Val Van Kooten, Pella Historical Society
 Chad Vane Lune, Pella Historical Society
 Jessie Vos, Pella Historical Society
 Andrew Keller, Pella Corporation



THE PURPOSE OF THE MASTER PLAN

The initial objectives for the Enhancement Plan:

- Initial space for 35,000 tulips, with phases for more areas in the future
- Accommodation for Tour Buses
- Parking for up to 30 cars
- Area(s) to accommodate food truck and entertainment vendors
- Seating and/or gathering areas
- Areas for sculpture, historical story-telling signage
- Multi-use trail system for bikes and pedestrians
- Strategic landscaping to support the activity areas while limiting shading of tulip beds
- Ideas/plans for tulip beds after blooming

EARLY IDEAS

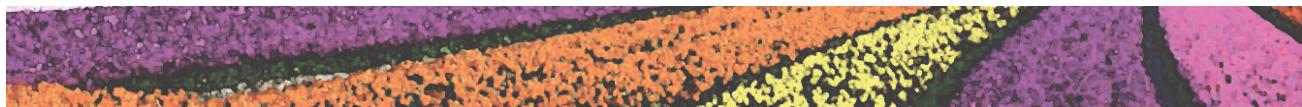
Below are some early ideas that were considered at the outset of the project:

- Can the site design be coordinated with the Pella Corporation to share outdoor facilities such as bike parking, and eating areas?
- The entrance to the Pella Corporation is beautifully landscaped. Perhaps some of the elements of that can be carried into the site to add continuity to the corridor.
- Reestablish the connection of E. 2nd Street down to South Street, at least at a pedestrian level. If some parking goes in at the southeast corner, perhaps a full vehicular connection is in order.
- Intense landscaping to screen the power facility in the southeast corner will enhance the aesthetics of the park.
- Can the large transmission poles be painted in a theme to enhance the overall aesthetic?
- Can the businesses and substation on the north side of Oskaloosa Street be encouraged to add landscaping to make this a two-sided streetscape improvement?

EARLY CONCERN

Below are some early ideas that were considered at the outset of the project:

- The soil needs to be tested and analyzed to determine if it will support tulips and other landscaping.
- Tulip bed design need to accomodate a tractor and pull-behind planter.



SOUTHSIDE BEAUTIFICATION PROJECT



- Project Initiation**
- Analysis & Evaluation**
- Project Visioning**
- Design Concept Preparation**
- Design Concept Refinement**



SOUTHSIDE BEAUTIFICATION PROJECT

THE PLANNING PROCESS

Project Initiation Meeting

The initial meeting was held on October 14, 2019.

The participants were:

Jeanette Vaughan, Pella Community Services
 Lynn Branderhorst, Pella City Council
 Tony Bockhoven, Pella City Council
 Val Van Kooten, Pella Historical Society
 Andrew Keller, Pella Corporation
 Bob Gibson, Civil Design Advantage

The following subjects were addressed:

Analysis & Evaluation

- Review of the preliminary site analysis. This was prepared on a base topographical drawing prepared by Civil Design Advantage.
- Parking can come from Clark Street and Oskaloosa Street. Bus parking should accommodate as many busses as possible.
- Soil samples were collected to be sent to a lab for analysis.
- Mike Norman provided the demolition plans, said that the power poles could not be painted. They may be able to be wrapped.
- Storm water detention will be required.

Project Visioning and Random Thoughts and Ideas

- The committee envisioned the park expressing the history of south Pella.
- There may be the potential to tell the south side story with graphics on the wall of the Pella Corporation building.
- Historical images can be incorporated in various forms. Subjects could include the canning factory, female war-time workers, railroad, other contributing nationalities.
- Discussed idea of using historic bricks from Pella Drain and Tile for certain amenities, particularly warming stations like those in Holland, Michigan.
- A food truck vending area would be popular with site visitors and Pella employees.
- The Committee liked the idea of looping sidewalk through the park. Discussed that primary routes would be concrete, secondary routes something like crushed granite or mulch.
- If there are graphics on the wall of Pella Corporation, they would like them to be seen, at least partially, from the street.
- Concept Plans will identify potential sculpture locations.
- Consider all seasons in the design. Christmas!
- Discussed the need for a park name – something that will capture the spirit, historical nature we've discussed.

Design Concept Preparation

Following the Project Initiation Meeting, Civil Design Advantage prepared two Concept Plans; Concept A and Concept B. These plans are shown on the following pages. The Concept Plans were presented to the Committee on October 30, 2019.

The following subjects were discussed:

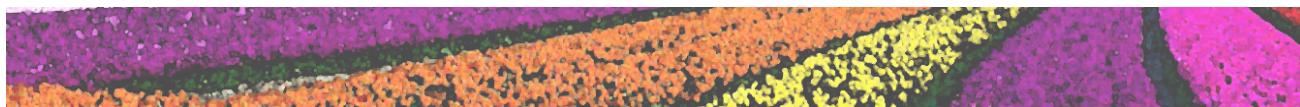
- It was stated by a Committee member that neither was what they had in mind. The Committee member envisioned larger fields with longer rows, about 1 acre of fields. The team discussed how this could be accommodated and still have a functioning park & event venue.
- It was discussed how the larger fields would be handled after the blooming season – cover crops, etc. Chad suggested talking to a horticultural expert. A pumpkin patch and fall festival? Andrew suggested that the smaller planting beds be used for annual color with the tulips concentrated in the larger fields.
- Concept B was considered more conducive to the functioning of an event venue.
- We discussed sidewalks around the tulip fields, mow strips, paths for visitor access through the fields.
- Andrew told us about how most of the windows in the building are lit at night, and that our idea of graphics on the face of the building probably won't work.
- Chad shared a picture of historical display structures from Bicentennial Plaza in Springfield, IL. The Committee liked that idea.
- It was determined that a permanent rest room would be needed. Sewer and water is available.

Design Concept Refinement

As a part of the concept refinement process. CDA produced a third concept, Concept C, which is shown in the following pages. It was submitted by email it to the committee. Comments returned by Committee members included:

- Pella Corporation would like some kind of decorative fence to delineate Pella Corporation property from the park.
- The plan should consider an extension of the proposed multi-use trail to the west of the Pella Corporation parking lot.
- Both the Pella Corporation and City of Pella staff and police would prefer to have the restroom located closer to Oskaloosa Street.

Based on Committee response, CDA refined that concept.



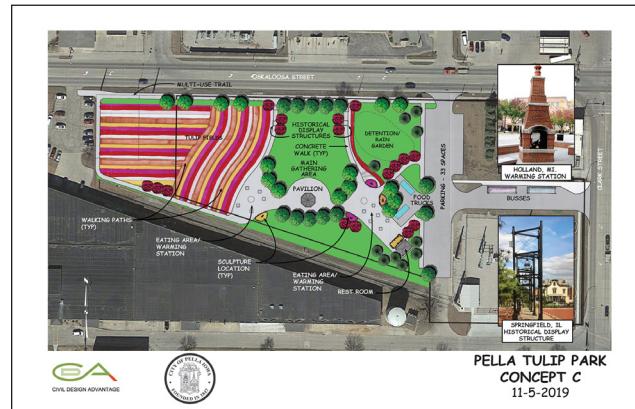
SOUTHSIDE BEAUTIFICATION PROJECT

The Refined Concept was presented to the Committee on November 26, 2019.

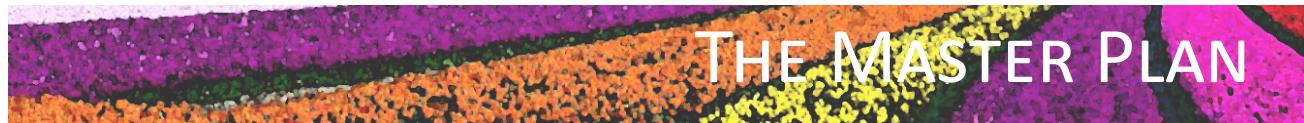
The following subjects were discussed:

- Perhaps the restroom could have a rail car theme.
- The soil analysis showed that the soil is poor, very low in ph and in organic content. Options to remedy this include incorporating organic matter and lime over the next few years. This would mean that the first planting of tulips could not occur for at least three years. Because of that, some Committee members recommend the removal and replacement of the existing soil. City personnel will look into the availability of topsoil for that purpose.
- A great idea was put forth for the tulip fields when not in bloom. Leave the fields unplanted (while controlling weeds) but provide educational signage describing what is occurring under the surface of the soil during the time the tulips are not seen. The walkways between the planting rows could be turf, which would visually break up the expanse of the fields and still define the pattern of the fields.
- Perhaps the kiosk at the library and the tulip signs could be re-used here.
- Costs and potential phasing was discussed:
- Phase 1 is soil remediation and initial planting of tulips.
- Phase 2 would include all paving, seeding, decorative fence, restroom, and storm water facilities.
- Phase 3 would include the pavilion, warming stations, historical display structures

Refer to the appendix for larger drawings of the site analysis and concepts.



SOUTHSIDE BEAUTIFICATION PROJECT



Plan Narrative

The Master Plan Drawing



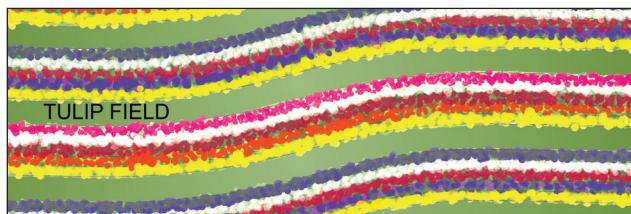
SOUTHSIDE BEAUTIFICATION PROJECT

THE MASTER PLAN

The purpose of the plan is to transform an area that, though not exactly an eyesore, certainly calls out for improvement. It is the desire of the City and the Pella Historical Society to create a destination, a new jewel in Pella, that will attract visitors to the south side of town not only during Tulip Time, but year round. In addition, this project can be the seminal project in the improvement of the Oskaloosa Street corridor as well as bring awareness to the history of the south side.

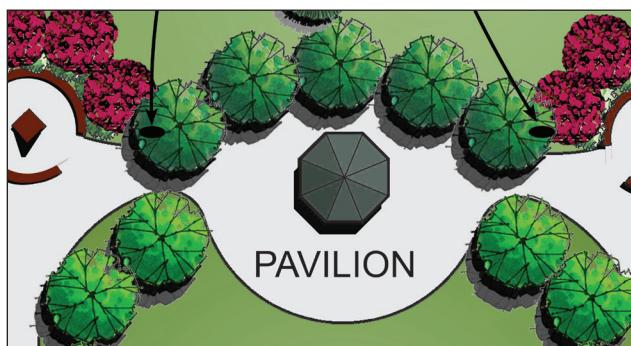
The Tulip Field

The field is designed to be reflective of those found in places like Holland, Michigan, and even in the Netherlands, albeit at a smaller scale. At just under an acre, the single field is intended to be planted primarily with a tractor-pulled planter. It is suggested that the planting be done in rows of gentle curves. The width of the rows can vary, but at regular intervals there will be pathways of grass to allow visitors to walk among the tulip rows.



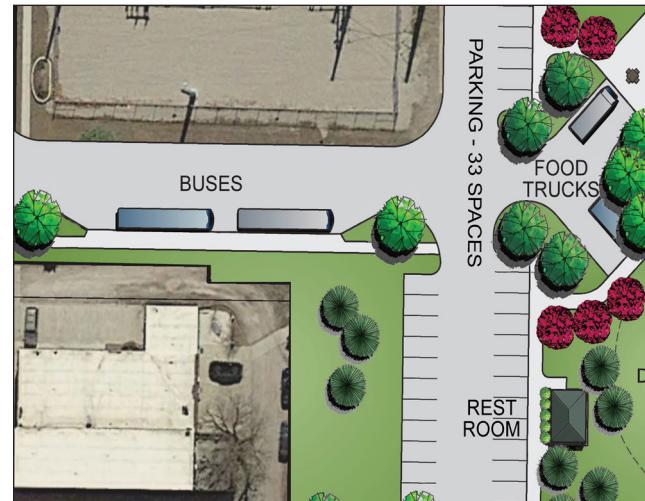
The Event Area

The event area consists of a pavilion and open turf area that can serve as a venue for outdoor concerts, public celebrations, weddings, etc. A pavilion, or gazebo, will be the anchoring, central element of the park and will serve as shelter for musicians or celebrants. The open turf area provides space for listening to a concert or just gathering.



Parking

Parking for approximately 33 cars and 2 buses is shown. Access will be from Oskaloosa Street immediately south of E. 2nd Street and S. Clark Street.



Food Vendor Area

Adjacent to the parking is an area to accommodate food trucks to serve visitors during events, and possibly even the regular lunch crowd from Pella Corporation.

Eating and Warming Areas

On either side of the pavilion there is space for tables and a warming station. The warming station idea is from Holland, Michigan. These outdoor fireplaces will be constructed of bricks, and if possible, with historic bricks from the Pella Drain and Tile Company. Structurally attractive year-round, these stations will particularly attractive during cold season events. Seat walls will be provided around the fireplace.



Year Round Activity

SOUTHSIDE BEAUTIFICATION PROJECT

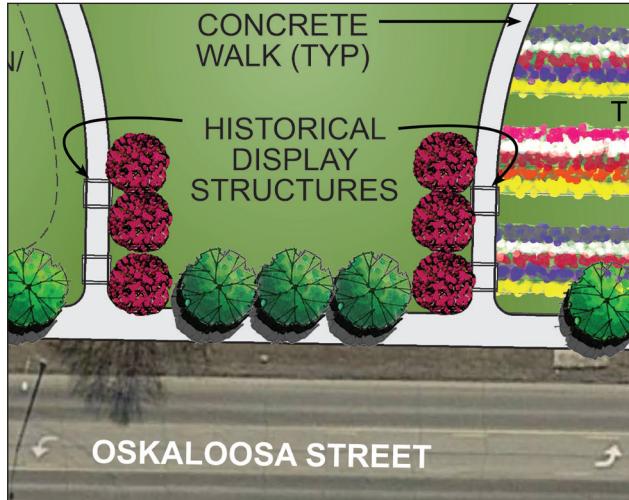
It is desired that this park become a destination for celebration beyond Tulip Time in the spring. Memorial Day, July 4th, and fall festival events can happen here. The colder months are more challenging, but a Christmas season celebration can be imagined here. The pavilion can be decorated with lights, and a large evergreen has been shown that can also be decorated.

Historic Display Structures and Sculpture

Expressing the history of the south side was a significant goal of the master plan effort. During the process, various ways to do that were discussed. A suggestion was made to incorporate structures similar to what is found in Springfield, Illinois at Centennial Plaza. These structures provide a framework upon which graphic historical exhibits can be displayed, and can be walked through. Specific locations for sculpture is shown, but placement is not intended to be limited to those areas.

Pedestrian Circulation

Internally, concrete walkways of approximately 7 feet in width provide for pedestrian circulation. A 10' wide multi-use trail is shown along Oskaloosa Street with the anticipation that it will ultimately be extended both east and west.





SOUTHSIDE BEAUTIFICATION PROJECT



Preliminary Cost Projection

Proposed Phasing



CONCEPTUAL COST PROJECTION
Pella Tulip Fields

December 12, 2019

ITEM	QTY	UNIT	UNIT PRICE	TOTAL
GRADING				
Clearing & Grubbing & Demo	1	LS	\$2,000.00	\$2,000.00
Topsoil Strip, Stockpile, Respread	2,000	CY	\$6.25	\$12,500.00
Excavation	3,300	CY	\$3.25	\$10,725.00
Subgrade Preparation & Curb Backfill	3000	SY	\$5.00	\$15,000.00
Soil Remediation	1	LS	\$50,000.00	\$50,000.00
Turf Seeding	60,000	SF	\$0.12	\$7,200.00
Erosion Control(Silt Fence,Sed Basin/Trap)	2	AC	\$2,500.00	\$5,000.00
<i>SUBTOTAL</i>				\$102,425.00
STORM SEWER				
8-inch Sumpline	650	LF	\$35.00	\$22,750.00
15-inch RCP	300	LF	\$48.00	\$14,400.00
18-inch RCP	120	LF	\$80.00	\$9,600.00
Intakes (SW-501,511,513)	3	EA	\$3,000.00	\$9,000.00
Intakes HDPE	3	EA	\$3,000.00	\$9,000.00
FES w/footing & guard	2	EA	\$1,500.00	\$3,000.00
Connect to Existing	1	EA	\$2,000.00	\$2,000.00
<i>SUBTOTAL</i>				\$69,750.00
PAVEMENT				
7-inch PCC (NRF)	2726	SY	\$48.00	\$130,848.00
5-inch PCC Sidewalk	2817	SY	\$42.00	\$118,314.00
Ramp Set (per intersection corner)	3	EA	\$3,000.00	\$9,000.00
Pavement Markings	1	LS	\$0.00	\$0.00
<i>SUBTOTAL</i>				\$258,162.00
MISCELLANEOUS				
Gazebo/Pavilion	1	LS	\$75,000.00	\$75,000.00
Warming Stations	2	LS	\$15,000.00	\$30,000.00
Electric Service	1	LS	\$25,000.00	\$25,000.00
Lighting	1	LS	\$20,000.00	\$20,000.00
Historical Display Structures	4	EA	\$10,000.00	\$40,000.00
Furniture		LS	\$15,000.00	\$15,000.00
Decorative Fence	650	LF	\$30.00	\$19,500.00
Plant Material	1	LS	\$30,000.00	\$30,000.00
Bonding / Testing (excluding soil testing)	1	LS	\$17,213.48	\$17,213.48
Engineering / Staking	1	LS	\$43,033.70	\$43,033.70
Contingency (10%)	1	LS	\$65,483.70	\$65,483.70
<i>SUBTOTAL</i>				\$380,230.88
TOTAL				\$810,567.88
RESTROOM OPTION				
Restroom (Romtec kit type)	1	LS	\$110,000.00	\$110,000.00
Water Service	1	LS	\$10,500.00	\$10,500.00
Sanitary Sewer Service	1	LS	\$2,500.00	\$2,500.00
<i>SUBTOTAL</i>				\$123,000.00

SOUTHSIDE BEAUTIFICATION PROJECT

POTENTIAL PHASING

PHASE 1

Soil Remediation

Potential cost: Approximately \$50,000

PHASE 2

Paving, Storm Water Facilities, Fence, Seeding

Potential cost: Approximately \$510,000

PHASE 3

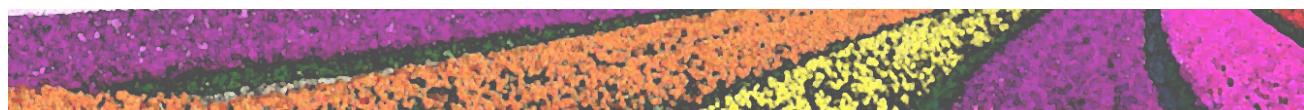
Pavilion, Warming Stations, Historical Display Structures, Furniture

Potential cost: Approximately \$250,000

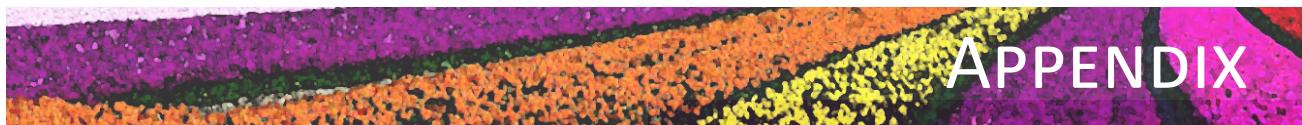
PHASE 4

Rest Room and Associated Utilities

Potential cost: \$123,000



SOUTHSIDE BEAUTIFICATION PROJECT



Site Analysis

Soil Analysis

Concept A

Concept B

Concept C

Refined Concept





DATE	10/16/2019
REVISIONS	-

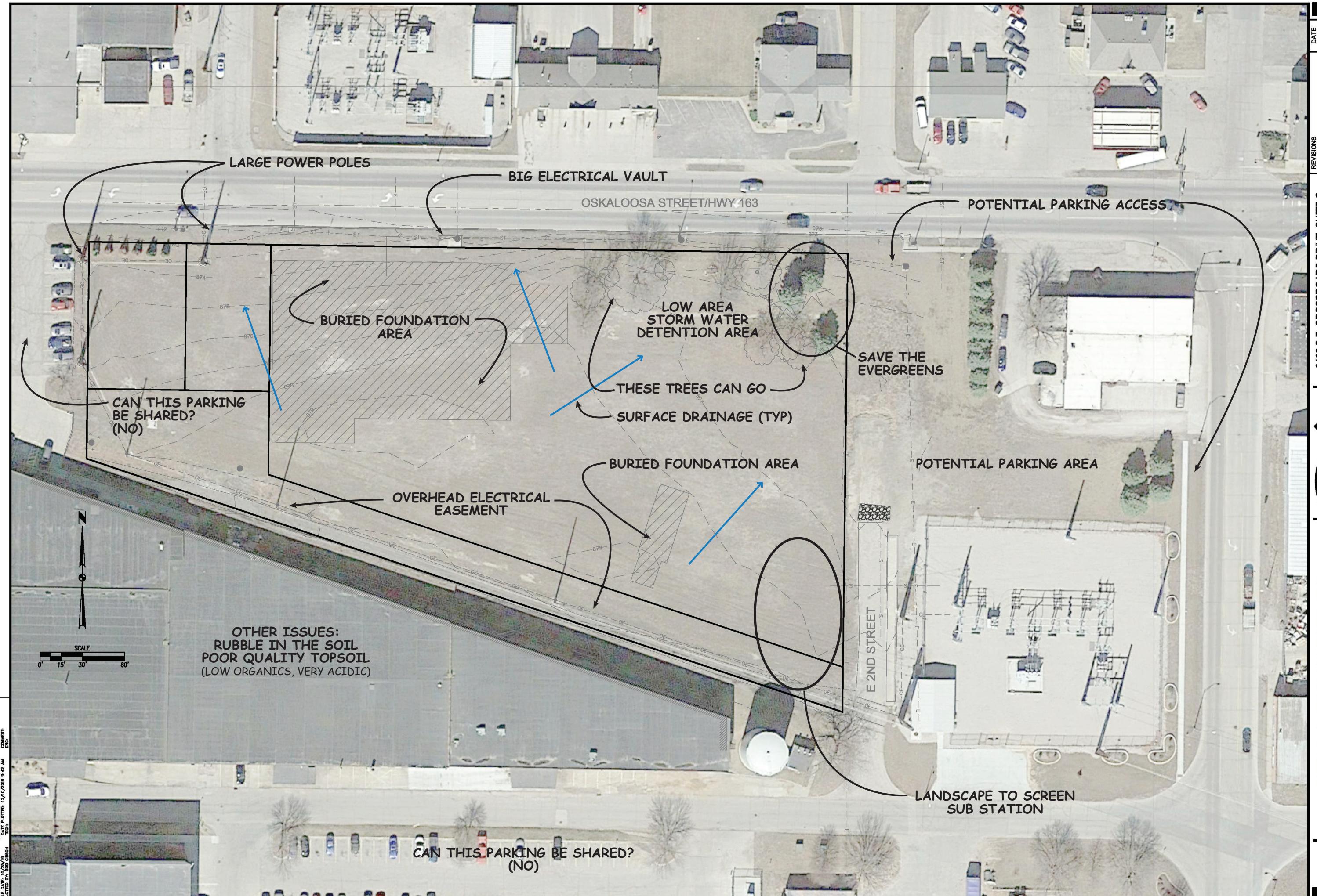
3405 S.E. CROSSROADS DRIVE, SUITE G
GRIMES, IOWA 50111
PHONE: (515) 369-4400 FAX: (515) 369-4410

CIVIL DESIGN ADVANTAGE ENGINEER:
TECH:



PELLA TULIP FIELDS SITE ANALYSIS

1 / 1
1909.480
CDA



SOIL ANALYSIS

Submitted by **EW5011103**
CIVIL DESIGN ADVANTAGE
3405 SE CROSSROADS DR
SUITE E
GRIMES, IA 50111-5051

Submitted for
PELLA TULIP PARK

Date Received
31-Oct-2019

Date Reported
25-Nov-2019

Laboratory Sample #
BQ68828
Information Sheet #
S1031-353

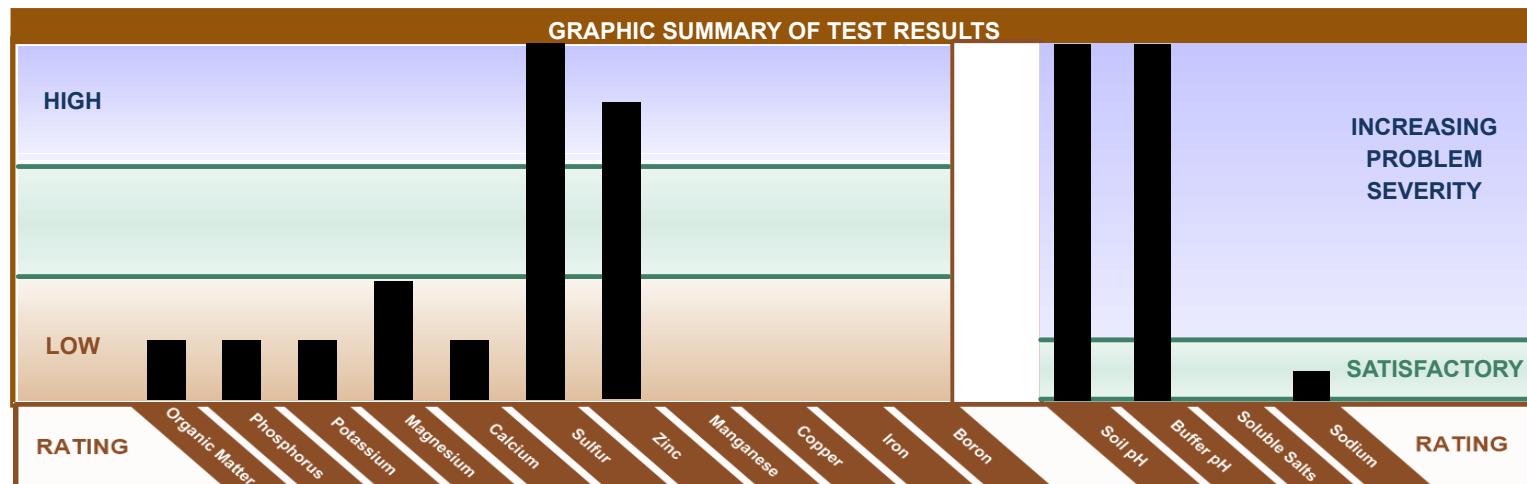
Laboratory Turnaround

25 Days

Samples Will Be Stored Until

15-Nov-2019

Field Identification

PELLA

REPORT OF ANALYSIS	
YOUR SAMPLE NUMBER	
1	
Soil pH	4.4
Buffer Index	4.9
Soluble Salts mmhos/cm	--
Sodium ppm	22.1
% Organic Matter	1.1
ANALYSIS OF NUTRIENT ELEMENTS IS IN PARTS PER MILLION (ppm)	
Nitrate N	--
Phosphorus Mehlich III	5
--	--
--	--
--	--
Potassium	48
Magnesium	614
Calcium	2365
Sulfate Sulfur	2511
Zinc	4.0
Manganese	--
Copper	--
Iron	--
Boron	--

FERTILIZER GUIDELINES IN: Lbs/1000 sq ft			
1st Option Intended Crop		2nd Option Intended Crop	
Lawn		Flowers	
Yield Goal		Yield Goal	
1 NO		1 NO	
Preceding Crop		Preceding Crop	
PLANT FOOD GUIDELINE RANGES		CROP REMOVAL RATES	
N	2.5		
P ₂ O ₅	1.8		
K ₂ O	2.6		
MgO	0.0		
S	0.0		
Zn	0.0		
Mn			
Cu			
Fe			
B			
Lime To 6.5	331		
Lime Guidelines are for 100% Effective Calcium Carbonate (ECC) with a 6" incorporation depth.			
3rd Option Intended Crop		Yield Goal	
		Preceding Crop	
PLANT FOOD GUIDELINE RANGES		CROP REMOVAL RATES	
N			
P ₂ O ₅			
K ₂ O			
MgO			
S			
Zn			
Mn			
Cu			
Fe			
B			
Lime To 6.5			

ACTUAL AND SUGGESTED PERCENT OF TOTAL CEC (BASE SATURATION)						ESTIMATED				
Actual % Hydrogen	Suggested Hydrogen	Actual % Potassium	Suggested Potassium	Actual % Magnesium	Suggested Magnesium	Actual % Calcium	Suggested Calcium	Actual % Sodium	Suggested Sodium	CEC for Your Soil
55.9	0 - 5	0.3	2 - 7	13.1	15 - 20	30.5	65 - 75	0.2	0 - 5	38.6

DISCLAIMER: Data and information in this report are intended solely for the individual(s) for whom samples were submitted. Reproduction of this report must be in its entirety. Levels listed are guidelines only. Data was reported based on standard laboratory procedures and deviations.

Page 1 of 4

SOIL ANALYSIS

Submitted by EW5011103
CIVIL DESIGN ADVANTAGE
 3405 SE CROSSROADS DR
 SUITE E
 GRIMES, IA 50111-5051

Submitted for
PELLA TULIP PARK

Date Received
31-Oct-2019

Date Reported
25-Nov-2019

Laboratory Sample #
BQ68829

Information Sheet #
S1031-353

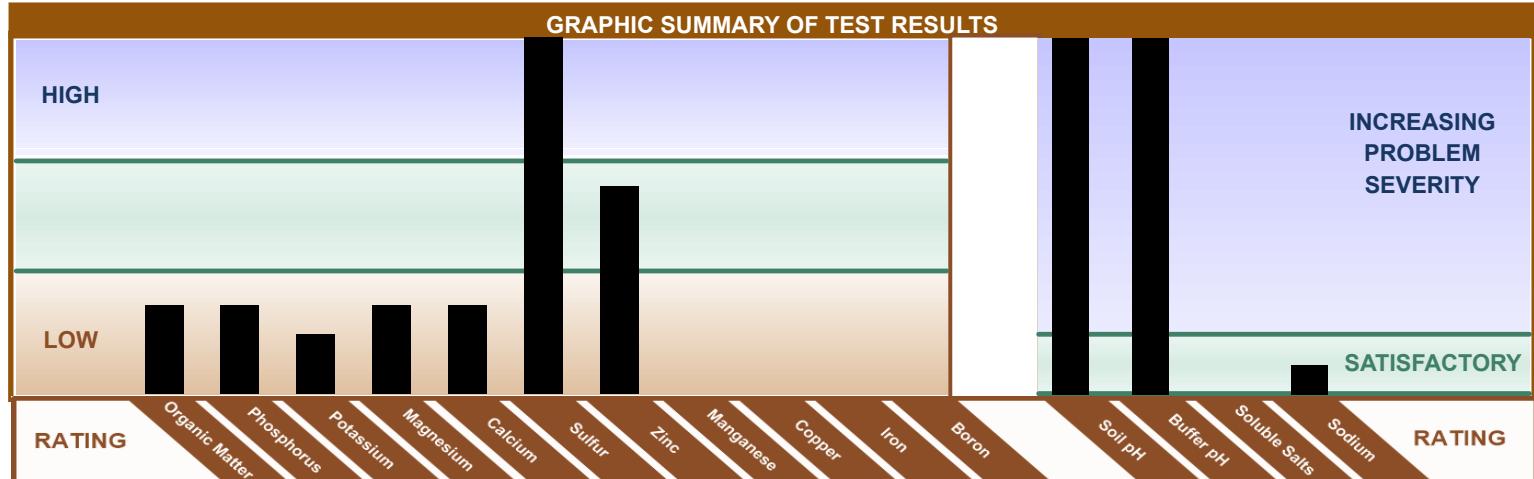
Laboratory Turnaround

25 Days

Samples Will Be Stored Until

15-Nov-2019

Field Identification

PELLA

REPORT OF ANALYSIS		FERTILIZER GUIDELINES IN: Lbs/1000 sq ft								
YOUR SAMPLE NUMBER		1st Option Intended Crop			2nd Option Intended Crop			3rd Option Intended Crop		
Soil pH	4.2	N	2.4		N	1.9		N		
Buffer Index	4.8	P ₂ O ₅	1.2		P ₂ O ₅	2.1		P ₂ O ₅		
Soluble Salts mmhos/cm	--	K ₂ O	2.6		K ₂ O	2.7		K ₂ O		
Sodium ppm	77.7	MgO	0.0		MgO	0.0		MgO		
% Organic Matter	1.7	S	0.0		S	0.0		S		
ANALYSIS OF NUTRIENT ELEMENTS IS IN PARTS PER MILLION (ppm)		Zn	0.0		Zn	0.0		Zn		
Nitrate N	--	Mn			Mn			Mn		
Phosphorus Mehlich III	10	Cu			Cu			Cu		
--	--	Fe			Fe			Fe		
--	--	B			B			B		
Potassium	42	Lime To 6.5	351		Lime To 6.5	351		Lime To 6.5		

Lime Guidelines are for 100% Effective Calcium Carbonate (ECC) with a 6" incorporation depth.

ACTUAL AND SUGGESTED PERCENT OF TOTAL CEC (BASE SATURATION)						ESTIMATED				
Actual % Hydrogen	Suggested Hydrogen	Actual % Potassium	Suggested Potassium	Actual % Magnesium	Suggested Magnesium	Actual % Calcium	Suggested Calcium	Actual % Sodium	Suggested Sodium	CEC for Your Soil
55.3	0 - 5	0.3	2 - 7	9.5	15 - 20	34.1	65 - 75	0.8	0 - 5	40.9

DISCLAIMER: Data and information in this report are intended solely for the individual(s) for whom samples were submitted. Reproduction of this report must be in its entirety. Levels listed are guidelines only. Data was reported based on standard laboratory procedures and deviations.

Page 2 of 4

SOIL ANALYSIS

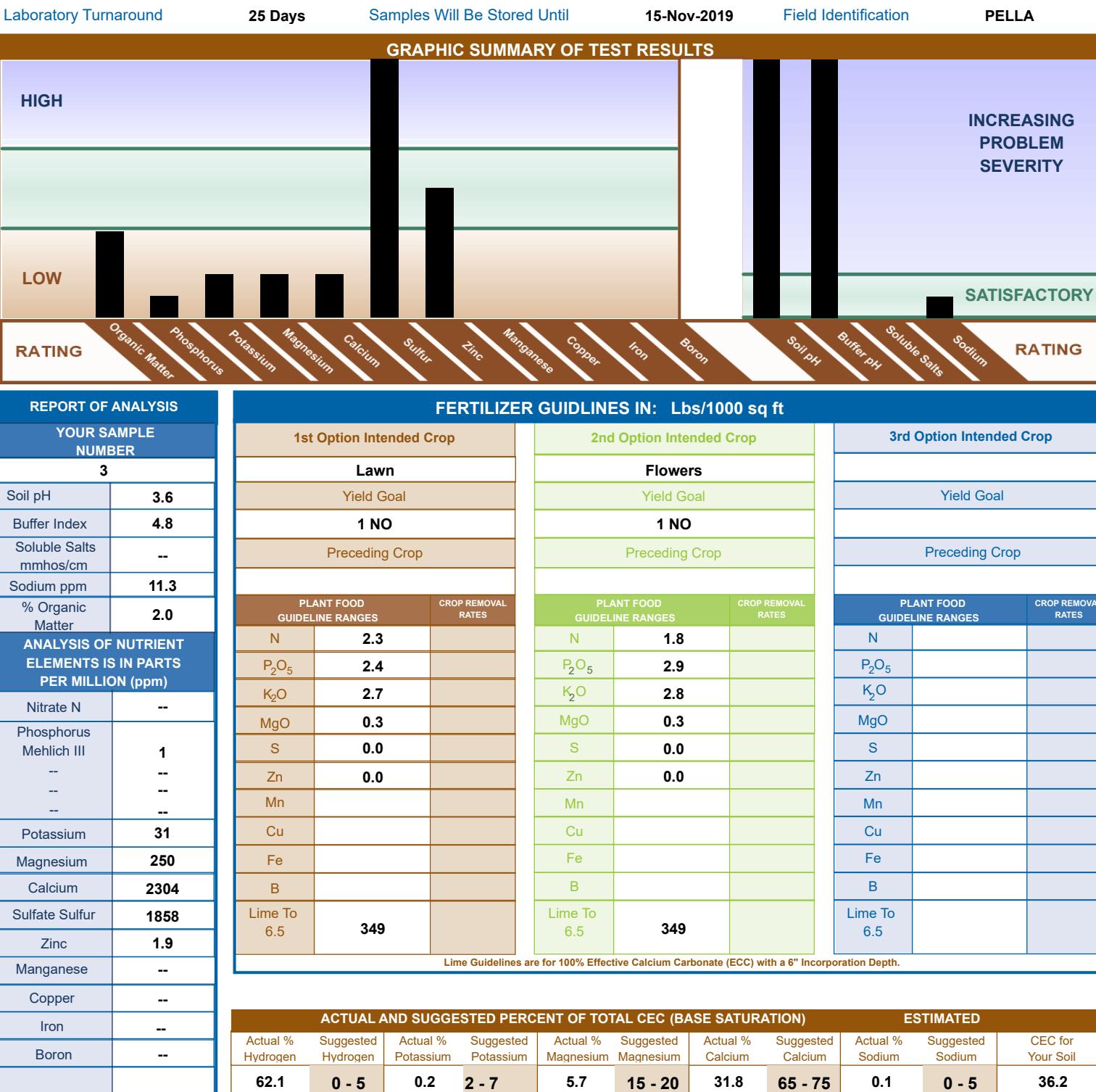
Submitted by EW5011103
CIVIL DESIGN ADVANTAGE
 3405 SE CROSSROADS DR
 SUITE E
 GRIMES, IA 50111-5051

Submitted for
PELLA TULIP PARK

Date Received
31-Oct-2019

Date Reported
25-Nov-2019

Laboratory Sample #
BQ68830
 Information Sheet #
S1031-353



DISCLAIMER: Data and information in this report are intended solely for the individual(s) for whom samples were submitted. Reproduction of this report must be in its entirety. Levels listed are guidelines only. Data was reported based on standard laboratory procedures and deviations.

Page 3 of 4

SOIL ANALYSIS

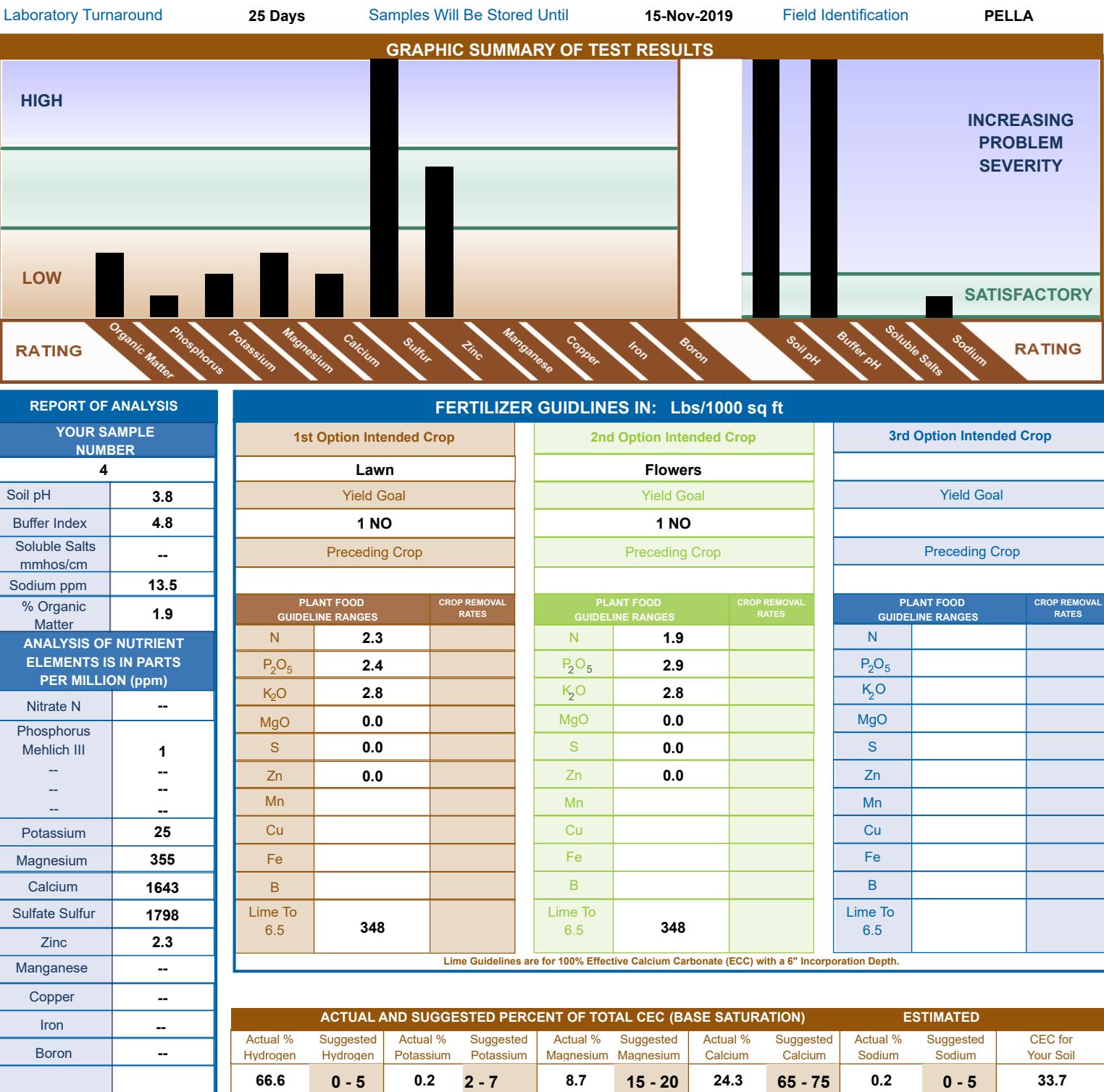
Submitted by EW5011103
CIVIL DESIGN ADVANTAGE
 3405 SE CROSSROADS DR
 SUITE E
 GRIMES, IA 50111-5051

Submitted for
PELLA TULIP PARK

Date Received
31-Oct-2019

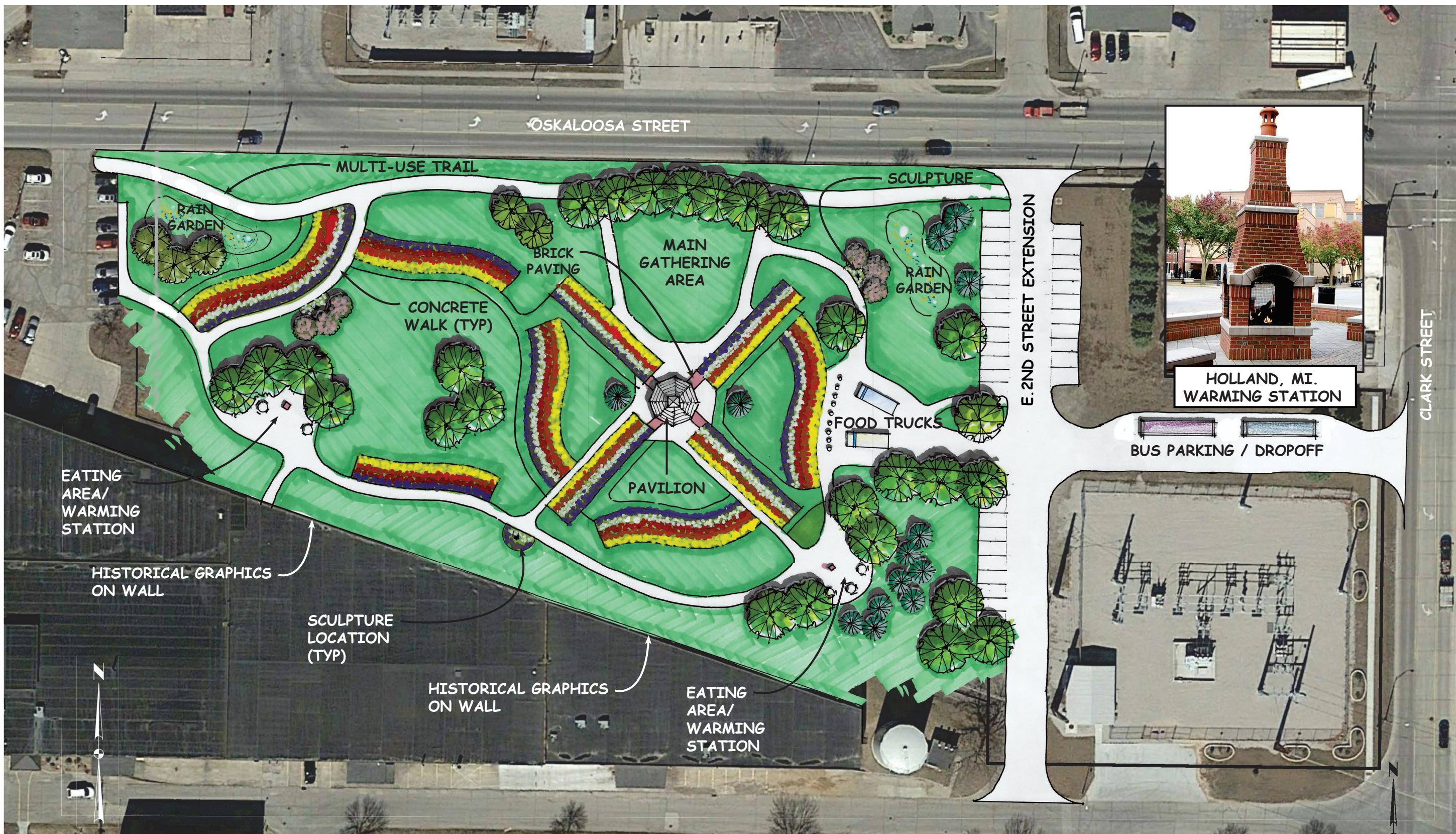
Date Reported
25-Nov-2019

Laboratory Sample #
BQ68831
 Information Sheet #
S1031-353

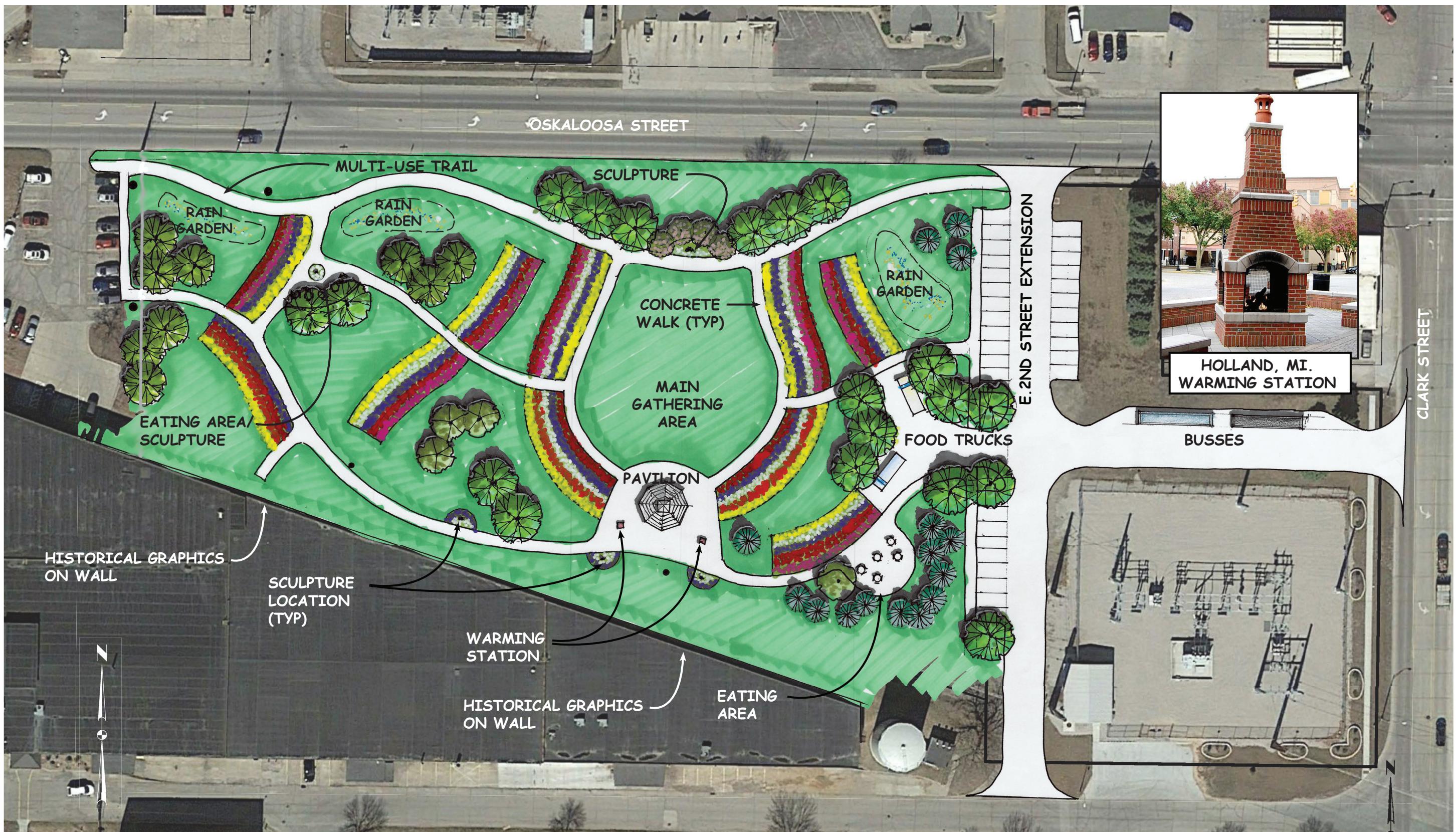


DISCLAIMER: Data and information in this report are intended solely for the individual(s) for whom samples were submitted. Reproduction of this report must be in its entirety. Levels listed are guidelines only. Data was reported based on standard laboratory procedures and deviations.

Page 4 of 4



**PELLA TULIP PARK
CONCEPT A**
10-28-2019



**PELLA TULIP PARK
CONCEPT B**
10-28-2019



**PELLA TULIP PARK
CONCEPT C**
11-5-2019



Limited Subsurface Investigation

*City of Pella Property – Parcel ID 1679800100
Oskaloosa Street & East 2nd Street
Pella, IA 50219*



Prepared For:
*City of Pella
825 Broadway Street
Pella, IA 50219*

Report Date: February 17, 2023
Copyright © 2023 Impact7G, Inc.



8951 Windsor Parkway
Johnston, IA 50131
515.473.6256

Table of Contents

Table of Contents	1
1.0 Introduction.....	2
1.1 Purpose.....	2
1.2 Background.....	2
1.3 Property Description and Use	3
2.0 Limited Subsurface Investigation Activities	3
2.1 Soil Sampling Methods	3
2.2 Field Observations	4
3.0 Analytical Results and Evaluation	4
3.1 Soil Analytical Results Summary	4
Table 1 – Soil RCRA Metals Analytical Summary.....	4
Table 2 – TEHs Analytical Summary.....	5
Table 3 – Soil SVOCs/PAHs Analytical Summary	5
4.0 Risk Evaluation	6
4.1 Risk Evaluation Results – Commercial Setting	6
4.2 Risk Evaluation Results – Residential Setting	7
5.0 Deviations.....	8
6.0 Conclusions and Recommendations.....	8
7.0 Signature(s) of Environmental Professional(s)	9

Figures and Appendices

Figure 1 – Property Vicinity Map

Figure 2 – Property Location Map

Figure 3 – Boring Location Map

Appendix A – Test Boring Logs

Appendix B – Laboratory Analytical Reports

Appendix C – Cumulative Risk Calculator Results

Appendix D – Environmental Professional Qualifications

1.0 Introduction

1.1 Purpose

Civil Design Advantage, on behalf of the City of Pella, contracted with Impact7G to perform a Limited Subsurface Investigation (LSI) for Parcel #1679800100, a 3.0-acre vacant site located at the southwest corner of Oskaloosa Street and E. 2nd Street in Pella, IA (referred to herein as the “Property”). Impact7G performed this LSI as a follow-up to a Phase I Environmental Site Assessment (ESA) report dated February 21, 2022, and in advance of the City’s projected redevelopment of the Property into a public green space.

To understand if the historical use of the Property or adjoining sites affected the environmental condition of the Property, Impact7G evaluated shallow soils for contaminants of concern related to past industrial uses. The LSI focused only on soils based on the proposed redevelopment of the Property as a green space with no planned occupied buildings or use of groundwater. Because of the many industrial contaminants potentially present across the entire parcel, Impact7G composited samples from six unique sections of the Property, as outlined by the LSI sampling plan in Exhibit ‘A’ of an August 22, 2022, Subcontract Agreement with Civil Design Advantage.

Impact7G compared soil analytical data to standards outlined in Iowa Administrative Code (IAC) 567 *Chapter 137: Iowa Land Recycling Program and Response Action Standards*.

1.2 Background

Impact7G’s February 2022 Phase I ESA report identified four (4) recognized environmental conditions (RECs) based on historical development and use of the Property and surrounding area, including:

- Property use by commercial and industrial occupants as far back as 1895, including a municipal coal, oil, and natural gas-fired power plant for over 100 years and past limited subsurface testing having identified petroleum and semi-volatile organic compound contamination in shallow soils in the former coal yard.
- Other past industrial and commercial uses of the Property included a rail loading dock and adjoining railroad, a lumberyard, and a tank/pipeline manufacturer.
- Historical occupancy by multiple sites in the immediate vicinity of the Property by environmentally sensitive businesses, including gasoline filling stations, bulk petroleum storage facilities, auto repair/washes, and a dry cleaner.
- Documentation of contamination at an area of concern immediately west of the Property originating from a state-regulated contaminated site (Pella Corporation and Rolscreen Company at 102 Main Street).

In a report dated April 29, 2013, consultant Hazardous Materials Consulting summarized findings from a subsurface analytical evaluation of the coal yard adjacent to the power plant. Objectives of that assessment included determining the amount of coal present at that time for possible reuse and evaluating soil/fill materials beneath the coal pile for demolition and disposal considerations. That investigation included 13 soil test borings to depths of 10 feet with soil sampling and analyses for a variety of contaminants of concern. Though some contamination was identified, a key recommendation

included leaving the interface zone (shallow material immediately beneath the coal pile at that time) in place as it was deemed not to have hazardous waste characteristics and because the low levels of contamination present “little environmental risk to the City for the creation of an aesthetic green space.”

1.3 Property Description and Use

The Property consists of 3.0 acres of vacant land in a mixed industrial, residential, and commercial area of Pella, Iowa. The Property is located within the NE ¼ of the SE ¼ of Section 10, Township 76 North, Range 18 West in Pella, Marion County, Iowa (**Figure 1**). Its approximate center is located at 41° 23' 53.0" North latitude and 92° 54' 51.0" West.

Historically, the Property and surrounding area were developed for industrial use along the north side of a railroad track, including a rail loading dock, lumberyard, and a tank/pipe manufacturer. The Property was then used as a power plant from the early 1900s until its decommissioning in 2014. From 2015 to the present the Property has been vacant soil and grass-covered land. Notable historical occupancy of surrounding sites included a south-adjoining railroad track and large manufacturing plant, and past gasoline stations and automotive repair businesses for periods of time on sites to the north and east. Refer to **Figure 2** for the Property location relative to notable historical uses of the surrounding area.

2.0 Limited Subsurface Investigation Activities

On September 12, 2022, Impact7G oversaw the advancement of 24 soil test borings, with four (4) test borings advanced in each of six (6) ½-acre sections (Sections 1 through 6, as shown on **Figure 3**). All test borings were advanced to depths of five (5) feet below grade using a track-mounted, direct-push Geoprobe® drill rig. The following sections describe the sampling methods and field observations.

2.1 Soil Sampling Methods

In the field Impact7G personnel classified soils according to general geologic characteristics and recorded data on boring logs (**Appendix A**). Soil samples were collected at one-foot intervals and screened for total volatile organic compounds (VOCs) with a photo-ionization detector (PID). Soils from every four borings were blended together in a clean, 5-gallon bucket, with one composite sample collected for each sample per section (SS-1 through SS-6). The composite samples were collected in laboratory-provided sample containers and immediately placed on ice. Impact7G submitted the soil samples to o Eurofins Cedar Falls under chain of custody requesting the following laboratory analyses selected based on historical use and areas of concern:

- Volatile organic compounds (VOCs) by U.S. EPA Method 8260D (all six samples);
- Semi-volatile organic compounds (SVOCs) and Polycyclic Aromatic Hydrocarbons (PAHs) by U.S. EPA Method 8270E and 8270E SIM (all six samples);
- Polychlorinated biphenyls (PCBs) by U.S. EPA Method 8082A (samples SS-1 and SS-2);
- RCRA 8 metals by U.S. EPA Methods 6020A/7471B (all six samples);
- Total extractable hydrocarbons (TEHs) by Iowa Method OA-2 (Samples SS-4, SS-5, and SS-6).

2.2 Field Observations

Soils encountered in the five-foot test borings were generally sandy clays, gravels, and sands (non-native fill). Noticeable amounts of coal were observed in test borings advanced in the north-central portion of the Property (1C and 2A) and near its southern boundary (5C). No obvious indicators of environmental contamination (e.g., heavy staining or petroleum/chemical odors) were noted in the soils. Vapor readings generally did not register any PID levels greater than 0.0 parts per million (ppm), and the highest PID readings in all soils screened were less than 1.0 ppm. Boring logs for all 24 test borings are provided in **Appendix A**.

3.0 Analytical Results and Evaluation

Impact7G compared soil analytical data to the Statewide Standards for Soil outlined in IAC 567 Chapter 137: *Iowa Land Recycling Program and Response Action Standards*. Further, Impact7G evaluated soil exposure risks using the Cumulative Risk Calculator provided on the Iowa Department of Natural Resources (DNR) Land Recycling Program website (<https://programs.iowadnr.gov/riskcalc/>).

3.1 Soil Analytical Results Summary

As discussed prior, one composite soil sample was collected from the upper five feet of soil across each of six ½-acre sections of the Property (**Figure 3**). In the six composite samples analyzed, no VOCs or PCBs were detected. One or more metal, TEH, and SVOC/PAH compounds were detected in the soil samples. Soil analytical results for compounds with concentrations exceeding the laboratory's reporting limits in one or more samples are shown in comparison to the Statewide Standards for Soil below in **Tables 1, 2, and 3**. Complete analytical results are in **Appendix B**.

Table 1 – Soil RCRA Metals Analytical Summary

Constituent	Sample Locations and concentrations (mg/kg)						Statewide Standard for Soil
	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	
Arsenic	17.4	8.40	6.47	6.92	13.1	9.87	1.9
Barium	330	74.8	336	203	251	251	15,000
Cadmium	1.04	<0.434	<0.449	<0.481	2.02	0.507	70
Chromium	22.9	26.2	20.1	19.5	19.3	19.7	190
Lead	52.5	9.94	13.7	19.3	435	30.4	400
Selenium	2.19	1.35	1.50	1.60	2.10	2.07	390
Silver	<0.235	<0.217	0.282	<0.241	0.364	<0.224	370
Mercury	0.0474	0.0392	<0.0226	0.0270	0.770	0.0988	23

Mg/kg = milligrams per kilogram, or parts per million

< Indicates concentration less than the laboratory reporting limit.

Bold results indicate compound detected but at a concentration less than the Statewide Standard for Soil.

Bold/Shaded results indicate concentration is greater than the Statewide Standard for Soil.

Table 2 – TEHs Analytical Summary

Constituent	Sample Locations and concentrations (mg/kg)			Statewide Standard for Soil
	SS-4	SS-5	SS-6	
Diesel	<9.73	<9.51	<9.55	28,000
Gasoline	<9.73	<9.51	<9.55	NA
Waste Oil	<9.73	201	53.6	9,400
Total Extractable Hydrocarbons	<14.6	<14.3	<14.3	NA

Mg/kg = milligrams per kilogram, or parts per million

< Indicates concentration less than the laboratory reporting limit.

Bold results indicate compound detected but at a concentration less than the Statewide Standard for Soil.**Bold/Shaded** results indicate concentration is greater than the Statewide Standard for Soil.**Table 3 – Soil SVOCs/PAHs Analytical Summary**

Constituent	Sample Locations and concentrations (mg/kg)						Statewide Standard for Soil
	SS-1	SS-2	SS-3	SS-4	SS-5	SS-6	
Anthracene	<0.0628	<0.0554	<0.0593	<0.0611	0.0748	<0.0581	17,000
Benzo(a)anthracene	<0.0628	<0.0554	0.0831	<0.0611	0.303	0.147	3.1
Benzo(a)pyrene	<0.0628	<0.0554	0.0793	<0.0611	0.521	0.109	2.3
Benzo(b)fluoranthene	<0.0628	<0.0554	0.106	<0.0611	0.754	0.145	3.1
Benzo(g,h,i)perylene	<0.0628	<0.0554	<0.0593	<0.0611	0.470	0.0928	170
Benzo(k)fluoranthene	<0.0628	<0.0554	<0.0593	<0.0611	0.234	<0.0581	31
Chrysene	<0.0628	<0.0554	0.0726	<0.0611	0.795	0.190	310
Dibenz(a,h)anthracene	<0.0628	<0.0554	<0.0593	<0.0611	0.116	<0.0581	0.31
Fluoranthene	<0.0628	<0.0554	0.109	<0.0611	0.295	0.259	2,300
Indeno(1,2,3-cd)pyrene	<0.0628	<0.0554	<0.0593	<0.0611	0.491	0.0684	3.1
2-Methylnaphthalene	<0.0628	<0.0554	<0.0593	<0.0611	0.102	0.303	230
Naphthalene	<0.0628	<0.0554	<0.0593	<0.0611	<0.0595	0.112	1,100
Phenanthrene	<0.0628	<0.0554	<0.0593	0.0821	0.331	0.600	1,700
Pyrene	<0.0628	<0.0554	0.111	0.0652	0.342	0.259	1,700

Mg/kg = milligrams per kilogram, or parts per million

< Indicates concentration less than the laboratory reporting limit.

Bold results indicate compound detected but at a concentration less than the Statewide Standard for Soil.**Bold/Shaded** results indicate concentration is greater than the Statewide Standard for Soil.

Laboratory analysis of the soil samples indicates soil concentrations for only two contaminants of concern exceed the Iowa DNR's published Statewide Standards for Soil:

- Arsenic in each of the six sections, ranging from 6.47 to 17.4 ppm, exceeding the standard of 1.9.
- Lead in Section 5 soils (SS-5) at 435 ppm, exceeding the standard of 400 ppm.

Overall, the highest distribution of contaminants of concern were detected in the composite samples collected from Section 1 (northwestern portion of the Property, where the former power plant building was located) and Section 5 (south-central portion of the Property, in the former coal yard). The overall extent of arsenic detections is likely an indicator of its background concentration in soils, but the highest arsenic concentrations were in Section 1 and Section 5 soils.

4.0 Risk Evaluation

Using the Iowa DNR's Cumulative Risk Calculator, Impact7G evaluated exposure risks for the compounds (arsenic and lead) where concentrations were greater than the Statewide Standards for Soil. The Cumulative Risk Calculator assesses risk to potentially exposed parties, based on three standard exposure scenarios, from multiple contaminants and multiple media (i.e., groundwater, soil, and air). Although the Property is not currently under oversight by or in any Iowa DNR cleanup program, the use of the Cumulative Risk Calculator is common practice in performing due diligence. For enrolled contaminated sites, IAC 567, Chapter 137.10(7) specifies the cumulative risk criteria that must be complied with to acquire a "no further action" certificate under the Iowa Land Recycling Program.

Cumulative risk is the summation of cancer and non-cancer risks, determined separately, based on exposure to multiple contaminants from the same medium and exposure of the same individual to contaminants in multiple media. For acceptable risk criteria, the cumulative concentrations of contaminants must meet standards limiting increased cancer and non-cancer health risk, as follows:

- Cumulative cancer risk shall not exceed 1 in 10,000 (equivalent to an output of 1.0 in the risk calculator).
- Non-cancer health risk to the same target organ shall not exceed a cumulative Hazard Quotient of 1.

For the purposes of this evaluation, Impact7G input the maximum arsenic and lead concentrations in the soil to evaluate the risk associated with potential exposure pathways. This was conducted using Site Worker (e.g., an adult assumed to work at a site for 25 years) and Construction Worker (e.g., an adult assumed to work in construction involving excavation at a site for 200 days in one year) exposure scenarios to evaluate site-specific standards in a commercial setting. Although the Property use is not expected to be inhabited in the future, Impact7G also used a Site Resident scenario for comparison purposes.

4.1 Risk Evaluation Results – Commercial Setting

Iowa DNR considers a cumulative cancer risk value less than or equal to 1.00 (the equivalent to a 1×10^{-4} cancer risk) an acceptable cumulative cancer risk for that exposure party. Considering maximum contaminant concentrations from this LSI, soil exposures indicated a maximum Total Cancer Output of 0.1 for the Site Worker scenario (arsenic), and 0.01 for the Construction Worker scenario (arsenic). The Cumulative Cancer Risk (arsenic + lead) for both commercial worker scenarios were also 0.1 and 0.01, respectively.

Unlike the Cumulative Cancer Risk Outputs, values presented in the Non-Cancer Risk Output table are expressed as Hazard Quotients (HQ), or the ratio of the contaminant concentration divided by the concentration below which no adverse health impact is expected. Cumulative Risk Calculator outputs for arsenic and lead indicated a maximum Non-Cancer Output of 0.556 (sum for both arsenic and lead), well below the acceptable HQ of 1.0.

Risk evaluation results indicate the maximum detected concentrations of both arsenic and lead detected in the September 12, 2022 samples would be in compliance with cumulative risk for the Site Worker and Construction Worker exposure pathways per Iowa DNR's Land Recycling Program and Response Action Standards. The complete Cumulative Risk Calculator results are included in **Appendix C**.

In 13 soil test borings completed at the Property in 2012 (see **Figure 3**), analytical data showed similar results as the 2022 testing, but with overall higher concentrations of arsenic (ranging from 10.1 to 66.2 mg/kg) and lower concentrations of lead (19.7 to 150 mg/kg). Four PAH compounds were detected at concentrations exceeding the Statewide Standards for Soil. Using the highest concentrations of arsenic and PAHs reported in 2012, Impact7G calculated similar risk results – neither arsenic nor PAH calculations exceeded 1.0 cancer risk or non-cancer hazard quotient for Site Workers and Construction Workers.

4.2 Risk Evaluation Results – Residential Setting

Iowa DNR's supporting information for the Cumulative Risk Calculator describes a Site Resident as "*an individual who is assumed to live at the site for 30 years starting at birth*" and one who is "*assumed to be exposed to soil via both ingestion and dermal contact*." Further, IAC 567, Chapter 137.2 defines a "residential land-use area" as:

"An area zoned for residential use or an area where residential use currently exists, is planned, or is not otherwise precluded. In addition, a residential land-use area includes other areas where frequent, long-term, close contact with soils is likely to occur (e.g., playgrounds, sport fields, gardens, child care facilities)."

Although the Property is currently zoned for commercial use, Impact7G also evaluated risk for the Site Resident scenario by the same methods using the Cumulative Risk Calculator. Considering maximum arsenic and lead concentrations, soil exposures by the Site Resident scenario indicated a maximum Total Cancer Output of 0.45 (arsenic), and Cumulative Cancer Risk (arsenic + lead) also at 0.45.

Cumulative Risk Calculator outputs for arsenic and lead indicated maximum Non-Cancer Outputs of 0.8 (arsenic) and 1.09 (lead), with both the lead and sum of arsenic + lead greater than the acceptable HQ of 1.0. The complete Cumulative Risk Calculator results are included in **Appendix C**.

Considering data from the 2012 soil testing, calculations using a Site Resident scenario show risk of exposure to arsenic exceeding 1.0 for both cumulative cancer risk (1.7) and non-cancer risk (3.06).

5.0 Deviations

Impact7G did not deviate from the proposed scope, and we consider the data collected valid for the purpose of this LSI.

6.0 Conclusions and Recommendations

On September 12, 2022, Impact7G advanced four (4) soil test borings in each of six (6) ½-acre Sections of the Property for a total of 24 borings. Soils from the four borings in each Section were blended together to create a total of six composite samples (SS-1 through SS-6). Based on location and historical use, Impact7G directed the laboratory to analyze samples for common industrial contaminants, including VOCs, SVOCs/PAHs, PCBs, RCRA 8 Metals, and TEHs.

Laboratory analysis of the soil samples indicated no detections of VOCs or PCBs. No SVOCs/PAHs or TEHs were reported at concentrations exceeding their respective Statewide Standard for Soil. For metals, only arsenic (all samples) and lead (sample SS-5) concentrations exceeded the Statewide Standard for Soil.

To evaluate the risk to potential future site workers, construction workers, or even site residents, Impact7G utilized the Iowa DNR's Cumulative Risk Calculator, a tool used to evaluate contaminated sites enrolled in Iowa DNR's Land Recycling Program and also commonly used to evaluate conditions at sites where due diligence is being performed. For both the Site Worker scenario and Construction Worker scenario, the calculated cumulative cancer risks and non-cancer risk were well below the thresholds for each that Iowa DNR considers for granting "no further action" status to enrolled sites.

For the Site Resident scenario, calculated cumulative cancer risks were also less than the 1.0 threshold, but the non-cancer risks for both lead compounds (1.09) and cumulative lead + arsenic (1.89) exceeded the hazard quotient threshold of 1.

Considering soil data collected in 2012 and 2022, it is Impact7G's opinion that the detected soil contamination at the Property represents a minimal risk to human health and the environment for a commercial setting, including risk to construction workers that may be involved in Property re-development. This opinion is consistent with the consultant's recommendation in the 2013 report that low levels detected in soil presented "*little environmental risk to the City for the creation of an aesthetic green space.*" Though by definition no "site residents" are expected to inhabit the Property, the risk of exposure to similar individuals would be further mitigated by covering the existing surface (pavement or soil cover) or replacement of or topping existing surfaces with clean soils.

If the user of this LSI desires a determination from the Iowa DNR as to whether these findings constitute a hazardous condition, a request for regulatory review, along with a copy of this LSI and the Phase I ESA may be submitted to the Iowa DNR Contaminated Sites Section for review.

7.0 Signature(s) of Environmental Professional(s)

Impact7G's conclusions are rendered in accordance with generally accepted professional standards but are not to be construed as a guarantee or warranty as to the potential liability associated with environmental conditions at the Property. Signatures of the environmental professionals responsible for this report are below, and their qualifications are included in **Appendix D** of this report.

Project Management & Report Preparation:



Dan Keltner
Senior Project Manager

Report Review and QA/QC:



Matt Deutsch
Senior Project Manager

Figure 1 – Property Vicinity Map

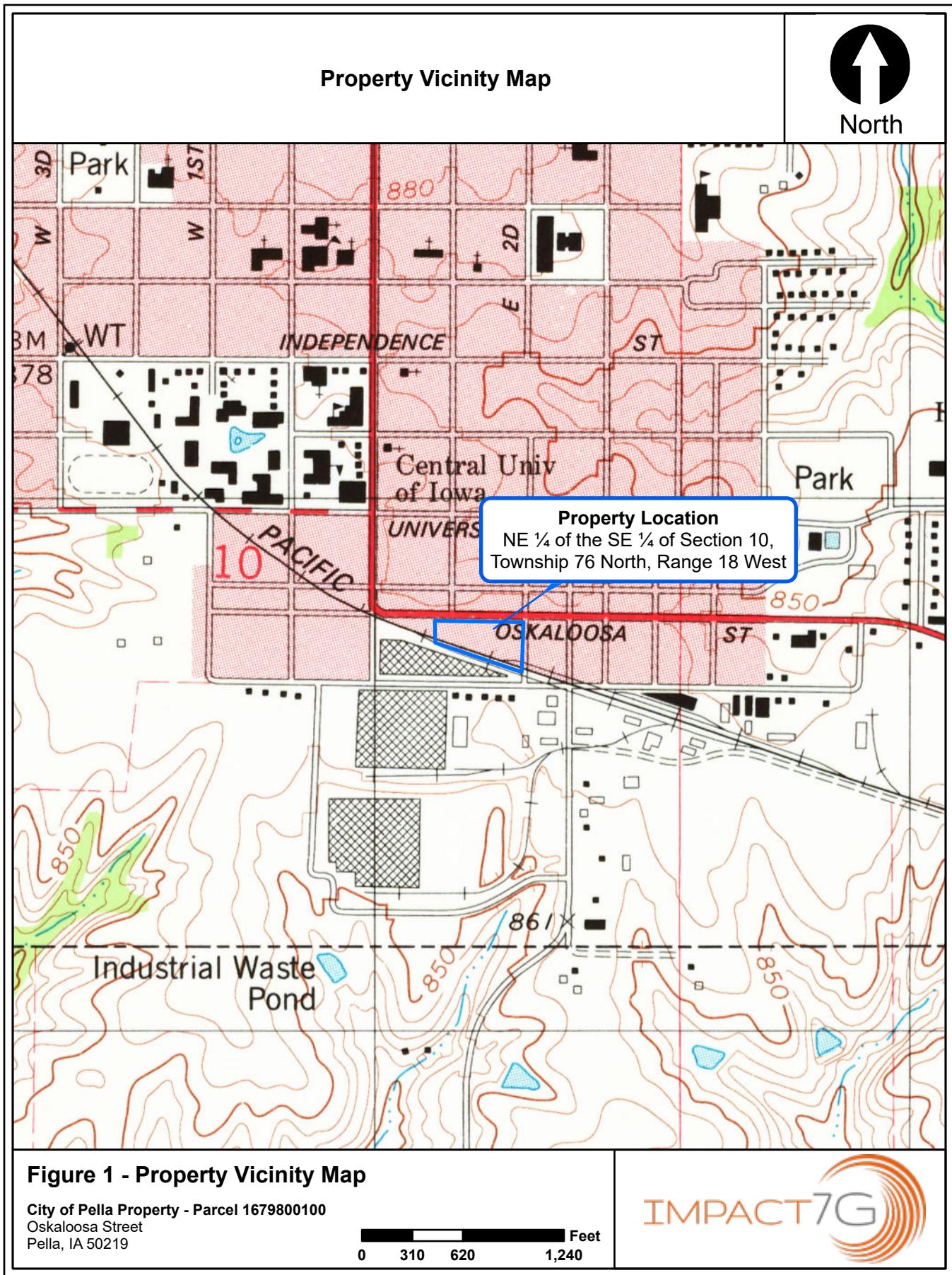


Figure 2 – Property Location Map

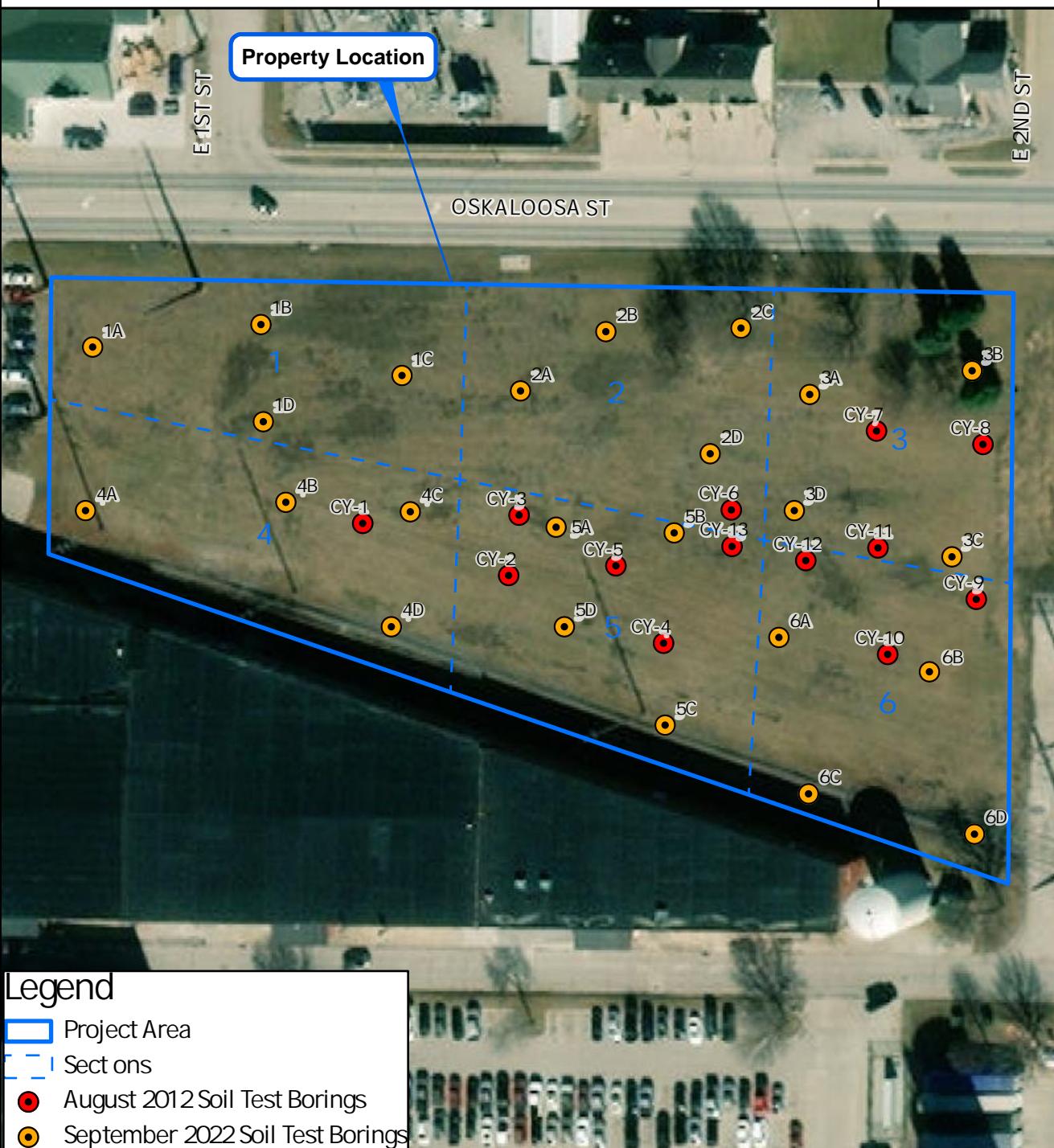


Figure 3 – Boring Location Map



Figure 3 - Boring Location Map

NE 1/4 of the SE 1/4 of Section 10, Township 76 North, Range 18 West



Boring Location Map

City of Pella Property – Parcel 1679800100
Oskaloosa Street
Pella, IA 50219

0 30 60 120 Feet

Appendix A – Test Boring Logs

Boring Location: 1A			
Site Name: CDA	Driller: I7G	Start Date/Time: 9-12-22/1000	
Job #: Parcel 1679800100-LSI	Driller Reg #: 1986	End Date/Time: 9-12-22/1031	
Address: Oskaloosa St & E 2nd St	Type of Boring: DP	Completed By: Colton Page	
City: Pella	Diameter: 2.25"		
Depth to Water:	Date: _____	Time: _____	Location: _____
Ground Elevation:	TOC Elevation: _____		

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Brown, dry - small gravel pieces -extremely coarse, very soft	0.0		
2		0.0		
3	Dark thick brown - clay 80% very dense and clay heavy - damp, hard	0.0	SS-1	10:56 AM
4		0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 1B

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1034
 End Date/Time: 9-12-22/1046
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Location: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover - Grass			
1	Dark brown - gravel, very coarse and very breathable - non dense	0.0		
2	Dark brown - gravel, very coarse and very breathable - non dense 50/50 clay/sand	0.0		
3	Dark brown clay 90% sand 70%, very dense and not coarse	0.0		
4		0.0		
5	Dark brown clay 90% sand 70%, very dense and not coarse mix of light and dark brown	0.0		

Total Depth: 5'

Riser: _____

Screen: _____

Page: _____ of _____

Boring Location:

Notes: _____

Boring Location: 1C

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1058
 End Date/Time: 9-12-22/1106
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Location: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Light brown, dense, 50/50 clay/sand, low plasticity	0.0		
2		0.2		
3		0.1		
4	80% clay, 20% sand, light brown, low plasticity	0.1		
5	Coal, very dense, light brown, medium plasticity	0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 1D

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1048
 End Date/Time: 9-12-22/1056
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Dirt			
1	Dark brown, clay 60%, sand 40%, coarse	0.0		
2		0.0		
3	Brown, dense, 90% clay, 10% white gravel	0.0	SS-1	
4	Mix of sand and clay, more dense	0.0		10:56 AM
5		0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 2A

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1105
 End Date/Time: 9-12-22/1112
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Light brown, very hard and coarse 50/50 clay/sand	0.0		
2		0.0		
3		0.0		
4	Gravel, smooth, medium brown	0.0		
5	Dark brown, coarse, dense	0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 2B

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1112
 End Date/Time: 9-12-22/1120
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass	0.0		
1	Light brown extremely coarse, 60% gravel 40% clay	0.0		
2		0.0		
3		0.0		
4		0.0		
5		0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 2C

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1117
 End Date/Time: 9-12-22/1127
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	50/50 gravel/clay sand/gravel brittle, dark brown, low plasticity	0.0	SS-2	11:35 AM
2		0.0		
3	70% clay 30% sand, hard, dark brown, low plasticity	0.0		
4	80% clay 20% sand, low plasticity	0.0		
5	90% clay 10% sand, high plasticity	0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 2D

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1127
 End Date/Time: 9-12-22/1135
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Dirt			
1	Dry 50/50 clay/sand and gravel, dark brown/reddish tint, low plasticity	0.0	SS-2	11:35 AM
2		0.0		
3	More moist - clay 80% clay, 20% gravel mix	0.0		
4	Large gravel pieces intermix with heavy clay	0.0		
5		0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 3A

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1135
 End Date/Time: 9-12-22/1144
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	dry 50/50 clay/gravel, hard, dark brown, low plasticity	0.0	SS-3	12:12 PM
2		0.0		
3		0.0		
4	100% sand	0.0		
5		0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 3B

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1145
 End Date/Time: 9-12-22/1153
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Location: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Dry - 70% sand, 30% clay, low plasticity, dark brown	0.0		
2	50/50 gravel/sand, dark brown	0.0		
3	Well drained and crumbly - low plasticity, dry	0.0		
4	Mixture of brown and white gravel	0.0		
5	moist gravel, low plasticity, firm	0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 3C

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1154
 End Date/Time: 9-12-22/1202
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Location: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	90% clay, 10% gravel - not coarse, smooth dark brown, very moist, high plasticity	0.0		
2	50/50 gravel/clay - medium coarse	0.0		
3		0.0		
4		0.0		
5	80% clay, 20% sand, gravel, very hard and smooth, low plasticity	0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 3D

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1203
 End Date/Time: 9-12-22/1212
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	70% clay, 30% gravel/sand medium brown, coarse, low plasticity, soft	0.0	SS-3	12:12 PM
2		0.0		
3		0.0		
4	High plasticity, 10% clay, 10% sand - strong organic smell, high density, smooth, dark brown	0.0		
5		0.0		

Total Depth: 5' _____ Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 4A

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1350
 End Date/Time: 9-12-22/1403
 Completed By: Colton Page

Depth to Water: _____
 Ground Elevation: _____

Date: _____ Time: _____
 TOC Elevation: _____

Location: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Very coarse - black color, 90% sand/gravel, 10% dry, very low elasticity, low density, crumbles	0.0		
2		0.0		
3		0.0		
4		0.0		
5	Firm, high tensile, low plasticity, medium moisture, 90% clay, 10% sand, dark brown	0.0		

Total Depth: 5'

Riser: _____

Screen: _____

Page: _____ of _____

Boring Location: _____

Notes: _____

Boring Location: 4B			
Site Name: CDA	Driller: I7G	Start Date/Time: 9-12-22/1405	
Job #: Parcel 1679800100-LSI	Driller Reg #: 1986	End Date/Time: 9-12-22/1417	
Address: Oskaloosa St & E 2nd St	Type of Boring: DP	Completed By: Colton Page	
City: Pella	Diameter: 2.25"		
Depth to Water:	Date:	Time:	Location:
Ground Elevation:	TOC Elevation:		

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Very coarse, low plasticity, dark brown, 70% sand, 30% clay	0.0		
2	50/50 sand/clay, very firm, high density, light brown	0.0		
3		0.0		
4	70% clay, 30% sand, very firm, low plasticity, dark brown, damp	0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 4C			
Site Name: CDA	Driller: I7G	Start Date/Time: 9-12-22/1417	
Job #: Parcel 1679800100-LSI	Driller Reg #: 1986	End Date/Time: 9-12-22/1434	
Address: Oskaloosa St & E 2nd St	Type of Boring: DP	Completed By: Colton Page	
City: Pella	Diameter: 2.25"		
Depth to Water:	Date:	Time:	Location:
Ground Elevation:	TOC Elevation:		

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass			
1	Very firm, coarse, low plasticity, light brown, 50/50 sand/clay	0.0	SS-4	2:48 PM
2		0.0		
3	70% sand, 30% clay, low plasticity, medium density, firmness, dark brown	0.0		
4	Extremely soft, 95% clay, 5% sand, high plasticity, medium density, high moisture, dark brown	0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 4D			
Site Name: CDA	Driller: I7G	Start Date/Time: 9-12-22/1434	
Job #: Parcel 1679800100-LSI	Driller Reg #: 1986	End Date/Time: 9-12-22/1448	
Address: Oskaloosa St & E 2nd St	Type of Boring: DP	Completed By: Colton Page	
City: Pella	Diameter: 2.25"		
Depth to Water:	Date:	Time:	Location:
Ground Elevation:	TOC Elevation:		

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass			
1	Mildly coarse, 70% clay, 30% sand, medium plasticity, dark brown	0.0	SS-4	2:48 PM
2	Medium density, light brown	0.0		
3	Red gravel, very coarse, dark brown, 50/50, low plasticity, high density, very firm	0.0		
4		0.0		
5	Very smooth, dark brown, low plasticity, high density, medium firmness	0.0		

Total Depth: 5' Riser: Screen: Page: of
 Boring Location:
 Notes:

Boring Location: 5A

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1258
 End Date/Time: 9-12-22/1308
 Completed By: Colton Page

Depth to Water: _____ Date: _____ Time: _____ Location: Pella, IA
 Ground Elevation: _____ TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Light brown, hard, very coarse, 50/50 sand/clay, low plasticity, high density	0.0		
2	light brown, large gravel pieces, 70% gravel, 30% clay	0.0		
3	High density, dark brown, low plasticity, 80% clay, 20% sand,	0.0		
4	Smooth, high plasticity, high density, not coarse, damp, medium brown	0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 5B

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1310
 End Date/Time: 9-12-22/1320
 Completed By: Colton Page

Depth to Water: _____ Date: _____ Time: _____
 Ground Elevation: _____ TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	Light brown, 80% clay, 20% sand, medium plasticity, dark brown	0.0	SS-5	1:46 PM
2		0.0		
3		0.0		
4	Extremely smooth, high plasticity, high moisture, 80-90% clay, 10-20% sand, Firm, Smooth	0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 5C

Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1320
 End Date/Time: 9-12-22/1333
 Completed By: Colton

Depth to Water: _____ Date: _____ Time: _____ Location: _____
 Ground Elevation: _____ TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass			
1	Light brown, very coarse, small gravel, 70% gravel, 30% clay	0.0		
2	Coal layer, fell apart when touched, light brown, very coarse, small gravel, 70% gravel, 30% clay	0.0		
3	80-90% coal, 10-20% gravel	0.0	SS-5	1:46 PM
4	50/50 clay/sand	0.0		
5	Sand layer, 100% sand, very coarse	0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 5D

Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1335
 End Date/Time: 9-12-22/1346
 Completed By: Colton Page

Depth to Water: _____ Date: _____ Time: _____ Location: _____
 Ground Elevation: _____ TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass			
1	Organic material, medium firmness, very coarse, 80% clay, 20% sand, medium brown	0.0		
2	Gravel chunks, light brown, extreemly coarse rock, 70% gravel, 30% clay	0.0		
3		0.0	SS-5	1:46 PM
4	Very dark brown, smooth, medium firmness, low plasticity, high density, damp, 90% clay, 10% sand	0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 6ASite Name: CDADriller: I7GStart Date/Time: 9-12-22/1214Job #: Parcel 1679800100-LSIDriller Reg #: 1986End Date/Time: 9-12-22/1224Address: Oskaloosa St & E 2nd StType of Boring: DPCompleted By: Colton PageCity: PellaDiameter: 2.25"

Depth to Water: _____

Date: _____ Time: _____

Location: _____

Ground Elevation: _____

TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass			
1	Light brown, very coarse, 90% sand, 10% clay, low plasticity, low density	0.2		
2	Large gravel, dry, 40% clay, 60% sand, low plasticity	0.2		
3	Very fine, 60% sand, 40% clay, hard	0.0		
4	60% clay, 40% sand, smooth, medium plasticity, high density, dry	0.0		
5		0.0		

Total Depth: 5'

Riser: _____

Screen: _____

Page: _____ of _____

Boring Location: _____

Notes: _____

Boring Location: 6B

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/12:25 pm
 End Date/Time: 9-12-22/12:33
 Completed By: Colton Page

Depth to Water: _____ Date: _____ Time: _____
 Ground Elevation: _____ TOC Elevation: _____ Location: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Grass			
1	70% clay, 30% sand, very firm, low plasticity, high density, medium brown, damp	0.8		
2		0.0		
3		0.0		
4	Dark brown, high moisture, high plasticity, high density, very damp	0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 6C

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1235
 End Date/Time: 9-12-22/1245
 Completed By: Colton Page

Depth to Water: _____ Date: _____ Time: _____ Location: _____
 Ground Elevation: _____ TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass			
1	Very coarse, 90% sand, 10% clay, low plasticity, low density, dark brown	0.0		
2		0.0		
3		0.0		
4	Medium firmness, 70% clay, 30% sand, very dark brown, low plasticity	0.0		
5	Very hard, low plasticity, dark brown, high density, damp	0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Boring Location: 6D

Site Name: CDA
 Job #: Parcel 1679800100-LSI
 Address: Oskaloosa St & E 2nd St
 City: Pella

Driller: I7G
 Driller Reg #: 1986
 Type of Boring: DP
 Diameter: 2.25"

Start Date/Time: 9-12-22/1247
 End Date/Time: 9-12-22/1258
 Completed By: Colton Page

Depth to Water: _____ Date: _____ Time: _____ Location: _____
 Ground Elevation: _____ TOC Elevation: _____

Depth (ft)	Soil Description-Primary/Secondary lithology, color, moisture, density, plasticity, other notes	PID	Soil Sample	Time Sampled
0	Surface Cover- Maintained Grass			
1	90% gravel, 10% clay, dry, crubly, low plasticity, white gravel	0.0		
2	Red and white gravel, low plasticity, low density,	0.0		
3	Very dark brown, medium firmness, very dense, damp	0.0		
4		0.0		
5		0.0		

Total Depth: 5' Riser: _____ Screen: _____ Page: _____ of _____
 Boring Location: _____
 Notes: _____

Appendix B – Laboratory Report and Chain of Custody



Environment Testing America

ANALYTICAL REPORT

Eurofins Cedar Falls
3019 Venture Way
Cedar Falls, IA 50613
Tel: (319)277-2401

Laboratory Job ID: 310-240005-1
Client Project/Site: CDA-Parcel (1679800100)

For:
Impact7G, Inc
8951 Windsor Parkway
Johnston, Iowa 50131

Attn: Megan Down

Authorized for release by:
9/22/2022 5:44:02 PM
Brian Graettinger, Lab Director
(319)595-2012
Brian.Graettinger@et.eurofinsus.com
Designee for
Shawn Hayes, Senior Project Manager
(319)229-8211
Shawn.Hayes@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Case Narrative	3
Sample Summary	4
Detection Summary	5
Client Sample Results	7
Definitions	33
Surrogate Summary	34
QC Sample Results	36
QC Association	51
Chronicle	55
Certification Summary	58
Method Summary	59
Chain of Custody	60
Receipt Checklists	62

Case Narrative

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Job ID: 310-240005-1

Laboratory: Eurofins Cedar Falls

Narrative

**Job Narrative
310-240005-1**

Comments

No additional comments.

Receipt

The samples were received on 9/13/2022 4:55 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.3° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270E: The following samples were diluted due to the nature of the sample matrix: SS-1 (Samples 1-4) (310-240005-1), SS-2 (Samples 5-8) (310-240005-2), SS-3 (Samples 9-12) (310-240005-3), SS-4 (Samples 13-16) (310-240005-4), SS-5 (Samples 17-20) (310-240005-5), SS-6 (Samples 21-24) (310-240005-6), (310-240005-B-2-C MS) and (310-240005-B-2-D MSD). Elevated reporting limits (RLs) are provided.

Method 8270E SIM: The following samples were diluted due to the nature of the sample matrix: SS-1 (Samples 1-4) (310-240005-1), SS-2 (Samples 5-8) (310-240005-2), SS-3 (Samples 9-12) (310-240005-3), SS-4 (Samples 13-16) (310-240005-4), SS-5 (Samples 17-20) (310-240005-5), SS-6 (Samples 21-24) (310-240005-6), (310-240005-B-3-C MS) and (310-240005-B-3-D MSD). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Sample Summary

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-240005-1	SS-1 (Samples 1-4)	Solid	09/12/22 10:31	09/13/22 16:55
310-240005-2	SS-2 (Samples 5-8)	Solid	09/12/22 11:35	09/13/22 16:55
310-240005-3	SS-3 (Samples 9-12)	Solid	09/12/22 12:12	09/13/22 16:55
310-240005-4	SS-4 (Samples 13-16)	Solid	09/12/22 14:48	09/13/22 16:55
310-240005-5	SS-5 (Samples 17-20)	Solid	09/12/22 13:46	09/13/22 16:55
310-240005-6	SS-6 (Samples 21-24)	Solid	09/12/22 12:58	09/13/22 16:55

Detection Summary

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-1 (Samples 1-4)**Lab Sample ID: 310-240005-1**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	17.4		0.939		mg/Kg	5	⊗	6020A	Total/NA
Barium	330		0.939		mg/Kg	5	⊗	6020A	Total/NA
Cadmium	1.04		0.469		mg/Kg	5	⊗	6020A	Total/NA
Chromium	22.9		1.41		mg/Kg	5	⊗	6020A	Total/NA
Lead	52.5		2.35		mg/Kg	5	⊗	6020A	Total/NA
Selenium	2.19		1.41		mg/Kg	5	⊗	6020A	Total/NA
Mercury	0.0474		0.0210		mg/Kg	1	⊗	7471B	Total/NA

Client Sample ID: SS-2 (Samples 5-8)**Lab Sample ID: 310-240005-2**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.40		0.868		mg/Kg	5	⊗	6020A	Total/NA
Barium	74.8		0.868		mg/Kg	5	⊗	6020A	Total/NA
Chromium	26.2		1.30		mg/Kg	5	⊗	6020A	Total/NA
Lead	9.94		2.17		mg/Kg	5	⊗	6020A	Total/NA
Selenium	1.35		1.30		mg/Kg	5	⊗	6020A	Total/NA
Mercury	0.0392		0.0197		mg/Kg	1	⊗	7471B	Total/NA

Client Sample ID: SS-3 (Samples 9-12)**Lab Sample ID: 310-240005-3**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	0.0831		0.0593		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(a)pyrene	0.0793		0.0593		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(b)fluoranthene	0.106		0.0593		mg/Kg	5	⊗	8270E SIM	Total/NA
Chrysene	0.0726		0.0593		mg/Kg	5	⊗	8270E SIM	Total/NA
Fluoranthene	0.109		0.0593		mg/Kg	5	⊗	8270E SIM	Total/NA
Pyrene	0.111		0.0593		mg/Kg	5	⊗	8270E SIM	Total/NA
Arsenic	6.47		0.898		mg/Kg	5	⊗	6020A	Total/NA
Barium	336		0.898		mg/Kg	5	⊗	6020A	Total/NA
Chromium	20.1		1.35		mg/Kg	5	⊗	6020A	Total/NA
Lead	13.7		2.24		mg/Kg	5	⊗	6020A	Total/NA
Selenium	1.50		1.35		mg/Kg	5	⊗	6020A	Total/NA
Silver	0.282		0.224		mg/Kg	5	⊗	6020A	Total/NA

Client Sample ID: SS-4 (Samples 13-16)**Lab Sample ID: 310-240005-4**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0821		0.0611		mg/Kg	5	⊗	8270E SIM	Total/NA
Pyrene	0.0652		0.0611		mg/Kg	5	⊗	8270E SIM	Total/NA
Arsenic	6.92		0.963		mg/Kg	5	⊗	6020A	Total/NA
Barium	203		0.963		mg/Kg	5	⊗	6020A	Total/NA
Chromium	19.5		1.44		mg/Kg	5	⊗	6020A	Total/NA
Lead	19.3		2.41		mg/Kg	5	⊗	6020A	Total/NA
Selenium	1.60		1.44		mg/Kg	5	⊗	6020A	Total/NA
Mercury	0.0270		0.0201		mg/Kg	1	⊗	7471B	Total/NA

Client Sample ID: SS-5 (Samples 17-20)**Lab Sample ID: 310-240005-5**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.0748		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(a)anthracene	0.303		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(a)pyrene	0.521		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(b)fluoranthene	0.754		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Detection Summary

Client: Impact7G, Inc

Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-5 (Samples 17-20) (Continued)**Lab Sample ID: 310-240005-5**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(g,h,i)perylene	0.470		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(k)fluoranthene	0.234		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Chrysene	0.795		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Dibenz(a,h)anthracene	0.116		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Fluoranthene	0.295		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Indeno(1,2,3-cd)pyrene	0.491		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
2-Methylnaphthalene	0.102		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Phenanthrene	0.331		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Pyrene	0.342		0.0595		mg/Kg	5	⊗	8270E SIM	Total/NA
Waste Oil	201		9.51		mg/Kg	1		OA-2	Total/NA
Arsenic	13.1		0.938		mg/Kg	5	⊗	6020A	Total/NA
Barium	251		0.938		mg/Kg	5	⊗	6020A	Total/NA
Cadmium	2.02		0.469		mg/Kg	5	⊗	6020A	Total/NA
Chromium	19.3		1.41		mg/Kg	5	⊗	6020A	Total/NA
Lead	435		9.38		mg/Kg	20	⊗	6020A	Total/NA
Selenium	2.10		1.41		mg/Kg	5	⊗	6020A	Total/NA
Silver	0.364		0.235		mg/Kg	5	⊗	6020A	Total/NA
Mercury	0.770		0.211		mg/Kg	10	⊗	7471B	Total/NA

Client Sample ID: SS-6 (Samples 21-24)**Lab Sample ID: 310-240005-6**

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo(a)anthracene	0.147		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(a)pyrene	0.109		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(b)fluoranthene	0.145		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Benzo(g,h,i)perylene	0.0928		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Chrysene	0.190		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Fluoranthene	0.259		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Indeno(1,2,3-cd)pyrene	0.0684		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
2-Methylnaphthalene	0.303		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Naphthalene	0.112		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Phenanthrene	0.600		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Pyrene	0.259		0.0581		mg/Kg	5	⊗	8270E SIM	Total/NA
Waste Oil	53.6		9.55		mg/Kg	1		OA-2	Total/NA
Arsenic	9.87		0.897		mg/Kg	5	⊗	6020A	Total/NA
Barium	251		0.897		mg/Kg	5	⊗	6020A	Total/NA
Cadmium	0.507		0.449		mg/Kg	5	⊗	6020A	Total/NA
Chromium	19.7		1.35		mg/Kg	5	⊗	6020A	Total/NA
Lead	30.4		2.24		mg/Kg	5	⊗	6020A	Total/NA
Selenium	2.07		1.35		mg/Kg	5	⊗	6020A	Total/NA
Mercury	0.0988		0.0209		mg/Kg	1	⊗	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-1 (Samples 1-4)

Date Collected: 09/12/22 10:31

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-1

Matrix: Solid

Percent Solids: 79.2

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.148		0.148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Benzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Bromobenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Bromoform	<0.0296		0.0296		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Bromomethane	<0.0592		0.0592		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
2-Butanone (MEK)	<0.0592		0.0592		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Carbon disulfide	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Carbon tetrachloride	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Chlorobenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Chlorodibromomethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Chloroethane	<0.0592		0.0592		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Chloroform	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Chloromethane	<0.0592		0.0592		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
2-Chlorotoluene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
4-Chlorotoluene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
cis-1,2-Dichloroethene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
cis-1,3-Dichloropropene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2-Dibromo-3-chloropropane	<0.0296		0.0296		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2-Dibromoethane (EDB)	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Dibromomethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2-Dichlorobenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,3-Dichlorobenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,4-Dichlorobenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Dichlorodifluoromethane	<0.0444		0.0444		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,1-Dichloroethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2-Dichloroethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,1-Dichloroethene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2-Dichloropropane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,3-Dichloropropane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
2,2-Dichloropropane	<0.0592		0.0592		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,1-Dichloropropene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Ethylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Hexachlorobutadiene	<0.0740		0.0740		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Hexane	<0.0740		0.0740		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Isopropylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Methylene chloride	<0.148		0.148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Methyl tert-butyl ether	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Naphthalene	<0.0740		0.0740		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
n-Butylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
n-Propylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
p-Isopropyltoluene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
sec-Butylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Styrene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
tert-Butylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,1,1,2-Tetrachloroethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,1,2,2-Tetrachloroethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Tetrachloroethene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-1 (Samples 1-4)

Date Collected: 09/12/22 10:31

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-1

Matrix: Solid

Percent Solids: 79.2

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
trans-1,2-Dichloroethene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
trans-1,3-Dichloropropene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2,3-Trichlorobenzene	<0.0296		0.0296		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2,4-Trichlorobenzene	<0.0296		0.0296		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,1,1-Trichloroethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,1,2-Trichloroethane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Trichloroethene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Trichlorofluoromethane	<0.0592		0.0592		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2,3-Trichloropropane	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,2,4-Trimethylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
1,3,5-Trimethylbenzene	<0.0148		0.0148		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Vinyl chloride	<0.0296		0.0296		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Xylenes, Total	<0.0296		0.0296		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:16	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96			77 - 120			09/15/22 08:57	09/15/22 14:16	1
Dibromofluoromethane (Surr)	114			80 - 123			09/15/22 08:57	09/15/22 14:16	1
Toluene-d8 (Surr)	95			76 - 120			09/15/22 08:57	09/15/22 14:16	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Acenaphthylene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Anthracene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Benzo(a)anthracene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Benzo(a)pyrene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Benzo(b)fluoranthene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Benzo(g,h,i)perylene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Benzo(k)fluoranthene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Chrysene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Dibenz(a,h)anthracene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Fluoranthene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Fluorene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Indeno(1,2,3-cd)pyrene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
2-Methylnaphthalene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Naphthalene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Phenanthrene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Pyrene	<0.0628		0.0628		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:52	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76			20 - 110			09/16/22 13:48	09/20/22 14:52	5
Nitrobenzene-d5 (Surr)	70			11 - 116			09/16/22 13:48	09/20/22 14:52	5
Terphenyl-d14 (Surr)	89			18 - 110			09/16/22 13:48	09/20/22 14:52	5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Acenaphthylene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Anthracene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5

Eurofins Cedar Falls

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-1 (Samples 1-4)

Date Collected: 09/12/22 10:31

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-1

Matrix: Solid

Percent Solids: 79.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	<2.49		2.49		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Benzo(a)anthracene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Benzo(a)pyrene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Benzo(b)fluoranthene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Benzo(g,h,i)perylene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Benzoic acid	<6.23		6.23		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Benzo(k)fluoranthene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Benzyl alcohol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Bis(2-chloroethoxy)methane	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Bis(2-chloroethyl)ether	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
bis(2-chloroisopropyl) ether	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Bis(2-ethylhexyl) phthalate	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4-Bromophenyl phenyl ether	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Butyl benzyl phthalate	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Carbazole	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4-Chloroaniline	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4-Chloro-3-methylphenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2-Chloronaphthalene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2-Chlorophenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4-Chlorophenyl phenyl ether	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Chrysene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Dibenz(a,h)anthracene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Dibenzofuran	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
1,2-Dichlorobenzene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
1,3-Dichlorobenzene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
1,4-Dichlorobenzene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
3,3'-Dichlorobenzidine	<2.49		2.49		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2,4-Dichlorophenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Diethyl phthalate	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2,4-Dimethylphenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Dimethyl phthalate	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Di-n-butyl phthalate	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4,6-Dinitro-2-methylphenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2,4-Dinitrophenol	<2.49		2.49		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2,4-Dinitrotoluene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2,6-Dinitrotoluene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Di-n-octyl phthalate	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Fluoranthene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Fluorene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Hexachlorobenzene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Hexachlorobutadiene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Hexachlorocyclopentadiene	<2.49		2.49		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Hexachloroethane	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Indeno(1,2,3-cd)pyrene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Isophorone	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2-Methylnaphthalene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2-Methylphenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4-Methylphenol (and/or 3-Methylphenol)	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Naphthalene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-1 (Samples 1-4)

Date Collected: 09/12/22 10:31

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-1

Matrix: Solid

Percent Solids: 79.2

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
3-Nitroaniline	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4-Nitroaniline	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Nitrobenzene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2-Nitrophenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
4-Nitrophenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
N-Nitrosodimethylamine	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
N-Nitrosodi-n-propylamine	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
N-Nitrosodiphenylamine	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Pentachlorophenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Phenanthrene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Phenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Pyrene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Pyridine	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Total Cresols	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
1,2,4-Trichlorobenzene	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2,4,5-Trichlorophenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
2,4,6-Trichlorophenol	<1.25		1.25		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:50	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		63		26 - 114			09/16/22 13:32	09/19/22 17:50	5
2-Fluorophenol (Surr)		61		23 - 111			09/16/22 13:32	09/19/22 17:50	5
Nitrobenzene-d5 (Surr)		54		19 - 117			09/16/22 13:32	09/19/22 17:50	5
Phenol-d5 (Surr)		66		25 - 112			09/16/22 13:32	09/19/22 17:50	5
Terphenyl-d14 (Surr)		71		31 - 124			09/16/22 13:32	09/19/22 17:50	5
2,4,6-Tribromophenol (Surr)		52		11 - 111			09/16/22 13:32	09/19/22 17:50	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
PCB-1221	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
PCB-1232	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
PCB-1242	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
PCB-1248	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
PCB-1254	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
PCB-1260	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
PCB-1268	<0.0631		0.0631		mg/Kg	⊗	09/16/22 13:37	09/19/22 18:17	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)		41		10 - 110			09/16/22 13:37	09/19/22 18:17	1
Tetrachloro-m-xylene (Surr)		37		10 - 110			09/16/22 13:37	09/19/22 18:17	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.4		0.939		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:05	5
Barium	330		0.939		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:05	5
Cadmium	1.04		0.469		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:05	5
Chromium	22.9		1.41		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:05	5
Lead	52.5		2.35		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:05	5
Selenium	2.19		1.41		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:05	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-1 (Samples 1-4)

Date Collected: 09/12/22 10:31

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-1

Matrix: Solid

Percent Solids: 79.2

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.235		0.235		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:05	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0474		0.0210		mg/Kg	⊗	09/14/22 12:26	09/17/22 12:01	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-2 (Samples 5-8)

Date Collected: 09/12/22 11:35

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-2

Matrix: Solid

Percent Solids: 84.7

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.119		0.119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Benzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Bromobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Bromoform	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Bromomethane	<0.0477		0.0477		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
2-Butanone (MEK)	<0.0477		0.0477		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Carbon disulfide	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Carbon tetrachloride	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Chlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Chlorodibromomethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Chloroethane	<0.0477		0.0477		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Chloroform	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Chloromethane	<0.0477		0.0477		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
2-Chlorotoluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
4-Chlorotoluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
cis-1,2-Dichloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
cis-1,3-Dichloropropene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2-Dibromo-3-chloropropane	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2-Dibromoethane (EDB)	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Dibromomethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2-Dichlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,3-Dichlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,4-Dichlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Dichlorodifluoromethane	<0.0358		0.0358		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,1-Dichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2-Dichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,1-Dichloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2-Dichloropropane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,3-Dichloropropane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
2,2-Dichloropropane	<0.0477		0.0477		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,1-Dichloropropene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Ethylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Hexachlorobutadiene	<0.0596		0.0596		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Hexane	<0.0596		0.0596		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Isopropylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Methylene chloride	<0.119		0.119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Methyl tert-butyl ether	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Naphthalene	<0.0596		0.0596		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
n-Butylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
n-Propylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
p-Isopropyltoluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
sec-Butylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Styrene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
tert-Butylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,1,1,2-Tetrachloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,1,2,2-Tetrachloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Tetrachloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-2 (Samples 5-8)

Date Collected: 09/12/22 11:35
Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-2

Matrix: Solid

Percent Solids: 84.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
trans-1,2-Dichloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
trans-1,3-Dichloropropene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2,3-Trichlorobenzene	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2,4-Trichlorobenzene	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,1,1-Trichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,1,2-Trichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Trichloroethylene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Trichlorofluoromethane	<0.0477		0.0477		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2,3-Trichloropropane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,2,4-Trimethylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
1,3,5-Trimethylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Vinyl chloride	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Xylenes, Total	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 14:41	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		93		77 - 120			09/15/22 08:57	09/15/22 14:41	1
Dibromofluoromethane (Surr)		112		80 - 123			09/15/22 08:57	09/15/22 14:41	1
Toluene-d8 (Surr)		91		76 - 120			09/15/22 08:57	09/15/22 14:41	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Acenaphthylene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Anthracene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Benzo(a)anthracene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Benzo(a)pyrene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Benzo(b)fluoranthene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Benzo(g,h,i)perylene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Benzo(k)fluoranthene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Chrysene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Dibenz(a,h)anthracene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Fluoranthene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Fluorene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Indeno(1,2,3-cd)pyrene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
2-Methylnaphthalene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Naphthalene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Phenanthrene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Pyrene	<0.0554		0.0554		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:12	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		76		20 - 110			09/16/22 13:48	09/20/22 15:12	5
Nitrobenzene-d5 (Surr)		70		11 - 116			09/16/22 13:48	09/20/22 15:12	5
Terphenyl-d14 (Surr)		88		18 - 110			09/16/22 13:48	09/20/22 15:12	5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Acenaphthylene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Anthracene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
 Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-2 (Samples 5-8)

Date Collected: 09/12/22 11:35

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-2

Matrix: Solid

Percent Solids: 84.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	<2.30		2.30		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Benzo(a)anthracene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Benzo(a)pyrene	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Benzo(b)fluoranthene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Benzo(g,h,i)perylene	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Benzoic acid	<5.75		5.75		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Benzo(k)fluoranthene	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Benzyl alcohol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Bis(2-chloroethoxy)methane	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Bis(2-chloroethyl)ether	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
bis(2-chloroisopropyl) ether	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Bis(2-ethylhexyl) phthalate	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4-Bromophenyl phenyl ether	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Butyl benzyl phthalate	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Carbazole	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4-Chloroaniline	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4-Chloro-3-methylphenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2-Chloronaphthalene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2-Chlorophenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4-Chlorophenyl phenyl ether	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Chrysene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Dibenz(a,h)anthracene	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Dibenzofuran	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
1,2-Dichlorobenzene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
1,3-Dichlorobenzene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
1,4-Dichlorobenzene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
3,3'-Dichlorobenzidine	<2.30		2.30		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2,4-Dichlorophenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Diethyl phthalate	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2,4-Dimethylphenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Dimethyl phthalate	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Di-n-butyl phthalate	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4,6-Dinitro-2-methylphenol	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2,4-Dinitrophenol	<2.30	F1	2.30		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2,4-Dinitrotoluene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2,6-Dinitrotoluene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Di-n-octyl phthalate	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Fluoranthene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Fluorene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Hexachlorobenzene	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Hexachlorobutadiene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Hexachlorocyclopentadiene	<2.30	F2	2.30		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Hexachloroethane	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Indeno(1,2,3-cd)pyrene	<1.15	F2	1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Isophorone	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2-Methylnaphthalene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2-Methylphenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4-Methylphenol (and/or 3-Methylphenol)	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Naphthalene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-2 (Samples 5-8)**Lab Sample ID: 310-240005-2**

Matrix: Solid

Percent Solids: 84.7

Date Collected: 09/12/22 11:35
Date Received: 09/13/22 16:55

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
3-Nitroaniline	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4-Nitroaniline	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Nitrobenzene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2-Nitrophenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
4-Nitrophenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
N-Nitrosodimethylamine	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
N-Nitrosodi-n-propylamine	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
N-Nitrosodiphenylamine	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Pentachlorophenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Phenanthrene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Phenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Pyrene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Pyridine	<1.15 F1		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Total Cresols	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
1,2,4-Trichlorobenzene	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2,4,5-Trichlorophenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
2,4,6-Trichlorophenol	<1.15		1.15		mg/Kg	⊗	09/16/22 13:32	09/19/22 17:25	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		81		26 - 114			09/16/22 13:32	09/19/22 17:25	5
2-Fluorophenol (Surr)		81		23 - 111			09/16/22 13:32	09/19/22 17:25	5
Nitrobenzene-d5 (Surr)		74		19 - 117			09/16/22 13:32	09/19/22 17:25	5
Phenol-d5 (Surr)		86		25 - 112			09/16/22 13:32	09/19/22 17:25	5
Terphenyl-d14 (Surr)		92		31 - 124			09/16/22 13:32	09/19/22 17:25	5
2,4,6-Tribromophenol (Surr)		66		11 - 111			09/16/22 13:32	09/19/22 17:25	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
PCB-1221	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
PCB-1232	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
PCB-1242	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
PCB-1248	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
PCB-1254	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
PCB-1260	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
PCB-1268	<0.0572		0.0572		mg/Kg	⊗	09/16/22 13:37	09/19/22 19:19	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)		46		10 - 110			09/16/22 13:37	09/19/22 19:19	1
Tetrachloro-m-xylene (Surr)		37		10 - 110			09/16/22 13:37	09/19/22 19:19	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.40		0.868		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:11	5
Barium	74.8		0.868		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:11	5
Cadmium	<0.434		0.434		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:11	5
Chromium	26.2		1.30		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:11	5
Lead	9.94		2.17		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:11	5
Selenium	1.35		1.30		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:11	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-2 (Samples 5-8)

Date Collected: 09/12/22 11:35

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-2

Matrix: Solid

Percent Solids: 84.7

Method: 6020A - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.217		0.217		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:11	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0392		0.0197		mg/Kg	⊗	09/14/22 12:26	09/17/22 12:06	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-3 (Samples 9-12)

Date Collected: 09/12/22 12:12

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-3

Matrix: Solid

Percent Solids: 82.8

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.123		0.123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Benzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Bromobenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Bromoform	<0.0245		0.0245		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Bromomethane	<0.0491		0.0491		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
2-Butanone (MEK)	<0.0491		0.0491		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Carbon disulfide	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Carbon tetrachloride	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Chlorobenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Chlorodibromomethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Chloroethane	<0.0491		0.0491		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Chloroform	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Chloromethane	<0.0491		0.0491		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
2-Chlorotoluene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
4-Chlorotoluene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
cis-1,2-Dichloroethene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
cis-1,3-Dichloropropene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2-Dibromo-3-chloropropane	<0.0245		0.0245		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2-Dibromoethane (EDB)	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Dibromomethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2-Dichlorobenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,3-Dichlorobenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,4-Dichlorobenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Dichlorodifluoromethane	<0.0368		0.0368		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,1-Dichloroethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2-Dichloroethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,1-Dichloroethene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2-Dichloropropane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,3-Dichloropropane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
2,2-Dichloropropane	<0.0491		0.0491		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,1-Dichloropropene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Ethylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Hexachlorobutadiene	<0.0614		0.0614		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Hexane	<0.0614		0.0614		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Isopropylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Methylene chloride	<0.123		0.123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Methyl tert-butyl ether	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Naphthalene	<0.0614		0.0614		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
n-Butylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
n-Propylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
p-Isopropyltoluene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
sec-Butylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Styrene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
tert-Butylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,1,1,2-Tetrachloroethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,1,2,2-Tetrachloroethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Tetrachloroethene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-3 (Samples 9-12)

Date Collected: 09/12/22 12:12

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-3

Matrix: Solid

Percent Solids: 82.8

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
trans-1,2-Dichloroethene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
trans-1,3-Dichloropropene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2,3-Trichlorobenzene	<0.0245		0.0245		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2,4-Trichlorobenzene	<0.0245		0.0245		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,1,1-Trichloroethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,1,2-Trichloroethane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Trichloroethene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Trichlorofluoromethane	<0.0491		0.0491		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2,3-Trichloropropane	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,2,4-Trimethylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
1,3,5-Trimethylbenzene	<0.0123		0.0123		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Vinyl chloride	<0.0245		0.0245		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Xylenes, Total	<0.0245		0.0245		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:05	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		95		77 - 120			09/15/22 08:57	09/15/22 15:05	1
Dibromofluoromethane (Surr)		114		80 - 123			09/15/22 08:57	09/15/22 15:05	1
Toluene-d8 (Surr)		95		76 - 120			09/15/22 08:57	09/15/22 15:05	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Acenaphthylene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Anthracene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Benzo(a)anthracene	0.0831		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Benzo(a)pyrene	0.0793		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Benzo(b)fluoranthene	0.106		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Benzo(g,h,i)perylene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Benzo(k)fluoranthene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Chrysene	0.0726		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Dibenz(a,h)anthracene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Fluoranthene	0.109		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Fluorene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Indeno(1,2,3-cd)pyrene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
2-Methylnaphthalene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Naphthalene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Phenanthrene	<0.0593		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Pyrene	0.111		0.0593		mg/Kg	⊗	09/16/22 13:48	09/20/22 14:33	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		83		20 - 110			09/16/22 13:48	09/20/22 14:33	5
Nitrobenzene-d5 (Surr)		77		11 - 116			09/16/22 13:48	09/20/22 14:33	5
Terphenyl-d14 (Surr)		89		18 - 110			09/16/22 13:48	09/20/22 14:33	5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Acenaphthylene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Anthracene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-3 (Samples 9-12)**Lab Sample ID: 310-240005-3**

Matrix: Solid

Percent Solids: 82.8

Date Collected: 09/12/22 12:12

Date Received: 09/13/22 16:55

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	<2.28		2.28		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Benzo(a)anthracene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Benzo(a)pyrene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Benzo(b)fluoranthene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Benzo(g,h,i)perylene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Benzoic acid	<5.69		5.69		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Benzo(k)fluoranthene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Benzyl alcohol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Bis(2-chloroethoxy)methane	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Bis(2-chloroethyl)ether	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
bis(2-chloroisopropyl) ether	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Bis(2-ethylhexyl) phthalate	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4-Bromophenyl phenyl ether	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Butyl benzyl phthalate	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Carbazole	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4-Chloroaniline	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4-Chloro-3-methylphenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2-Chloronaphthalene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2-Chlorophenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4-Chlorophenyl phenyl ether	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Chrysene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Dibenz(a,h)anthracene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Dibenzofuran	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
1,2-Dichlorobenzene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
1,3-Dichlorobenzene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
1,4-Dichlorobenzene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
3,3'-Dichlorobenzidine	<2.28		2.28		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2,4-Dichlorophenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Diethyl phthalate	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2,4-Dimethylphenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Dimethyl phthalate	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Di-n-butyl phthalate	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4,6-Dinitro-2-methylphenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2,4-Dinitrophenol	<2.28		2.28		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2,4-Dinitrotoluene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2,6-Dinitrotoluene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Di-n-octyl phthalate	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Fluoranthene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Fluorene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Hexachlorobenzene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Hexachlorobutadiene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Hexachlorocyclopentadiene	<2.28		2.28		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Hexachloroethane	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Indeno(1,2,3-cd)pyrene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Isophorone	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2-Methylnaphthalene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2-Methylphenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4-Methylphenol (and/or 3-Methylphenol)	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Naphthalene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-3 (Samples 9-12)

Date Collected: 09/12/22 12:12

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-3

Matrix: Solid

Percent Solids: 82.8

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
3-Nitroaniline	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4-Nitroaniline	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Nitrobenzene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2-Nitrophenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
4-Nitrophenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
N-Nitrosodimethylamine	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
N-Nitrosodi-n-propylamine	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
N-Nitrosodiphenylamine	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Pentachlorophenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Phenanthrene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Phenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Pyrene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Pyridine	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Total Cresols	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
1,2,4-Trichlorobenzene	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2,4,5-Trichlorophenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
2,4,6-Trichlorophenol	<1.14		1.14		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:15	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		72		26 - 114			09/16/22 13:32	09/19/22 18:15	5
2-Fluorophenol (Surr)		67		23 - 111			09/16/22 13:32	09/19/22 18:15	5
Nitrobenzene-d5 (Surr)		62		19 - 117			09/16/22 13:32	09/19/22 18:15	5
Phenol-d5 (Surr)		75		25 - 112			09/16/22 13:32	09/19/22 18:15	5
Terphenyl-d14 (Surr)		78		31 - 124			09/16/22 13:32	09/19/22 18:15	5
2,4,6-Tribromophenol (Surr)		57		11 - 111			09/16/22 13:32	09/19/22 18:15	5

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.47		0.898		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:36	5
Barium	336		0.898		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:36	5
Cadmium	<0.449		0.449		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:36	5
Chromium	20.1		1.35		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:36	5
Lead	13.7		2.24		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:36	5
Selenium	1.50		1.35		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:36	5
Silver	0.282		0.224		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:36	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0226		0.0226		mg/Kg	⊗	09/14/22 12:26	09/17/22 12:08	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-4 (Samples 13-16)

Date Collected: 09/12/22 14:48

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-4

Matrix: Solid

Percent Solids: 79.3

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.140		0.140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Benzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Bromobenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Bromoform	<0.0281		0.0281		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Bromomethane	<0.0561		0.0561		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
2-Butanone (MEK)	<0.0561		0.0561		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Carbon disulfide	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Carbon tetrachloride	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Chlorobenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Chlorodibromomethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Chloroethane	<0.0561		0.0561		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Chloroform	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Chloromethane	<0.0561		0.0561		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
2-Chlorotoluene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
4-Chlorotoluene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
cis-1,2-Dichloroethene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
cis-1,3-Dichloropropene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2-Dibromo-3-chloropropane	<0.0281		0.0281		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2-Dibromoethane (EDB)	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Dibromomethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2-Dichlorobenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,3-Dichlorobenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,4-Dichlorobenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Dichlorodifluoromethane	<0.0421		0.0421		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,1-Dichloroethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2-Dichloroethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,1-Dichloroethene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2-Dichloropropane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,3-Dichloropropane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
2,2-Dichloropropane	<0.0561		0.0561		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,1-Dichloropropene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Ethylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Hexachlorobutadiene	<0.0702		0.0702		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Hexane	<0.0702		0.0702		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Isopropylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Methylene chloride	<0.140		0.140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Methyl tert-butyl ether	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Naphthalene	<0.0702		0.0702		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
n-Butylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
n-Propylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
p-Isopropyltoluene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
sec-Butylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Styrene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
tert-Butylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,1,1,2-Tetrachloroethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,1,2,2-Tetrachloroethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Tetrachloroethene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1

Eurofins Cedar Falls

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-4 (Samples 13-16)

Date Collected: 09/12/22 14:48

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-4

Matrix: Solid

Percent Solids: 79.3

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
trans-1,2-Dichloroethene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
trans-1,3-Dichloropropene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2,3-Trichlorobenzene	<0.0281		0.0281		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2,4-Trichlorobenzene	<0.0281		0.0281		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,1,1-Trichloroethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,1,2-Trichloroethane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Trichloroethene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Trichlorofluoromethane	<0.0561		0.0561		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2,3-Trichloropropane	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,2,4-Trimethylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
1,3,5-Trimethylbenzene	<0.0140		0.0140		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Vinyl chloride	<0.0281		0.0281		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Xylenes, Total	<0.0281		0.0281		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:30	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		94		77 - 120			09/15/22 08:57	09/15/22 15:30	1
Dibromofluoromethane (Surr)		113		80 - 123			09/15/22 08:57	09/15/22 15:30	1
Toluene-d8 (Surr)		97		76 - 120			09/15/22 08:57	09/15/22 15:30	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Acenaphthylene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Anthracene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Benzo(a)anthracene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Benzo(a)pyrene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Benzo(b)fluoranthene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Benzo(g,h,i)perylene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Benzo(k)fluoranthene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Chrysene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Dibenz(a,h)anthracene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Fluoranthene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Fluorene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Indeno(1,2,3-cd)pyrene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
2-Methylnaphthalene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Naphthalene	<0.0611		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Phenanthrene	0.0821		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Pyrene	0.0652		0.0611		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:32	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		80		20 - 110			09/16/22 13:48	09/20/22 15:32	5
Nitrobenzene-d5 (Surr)		75		11 - 116			09/16/22 13:48	09/20/22 15:32	5
Terphenyl-d14 (Surr)		79		18 - 110			09/16/22 13:48	09/20/22 15:32	5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Acenaphthylene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Anthracene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5

Eurofins Cedar Falls

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-4 (Samples 13-16)

Date Collected: 09/12/22 14:48

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-4

Matrix: Solid

Percent Solids: 79.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	<2.39		2.39		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Benzo(a)anthracene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Benzo(a)pyrene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Benzo(b)fluoranthene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Benzo(g,h,i)perylene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Benzoic acid	<5.98		5.98		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Benzo(k)fluoranthene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Benzyl alcohol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Bis(2-chloroethoxy)methane	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Bis(2-chloroethyl)ether	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
bis(2-chloroisopropyl) ether	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Bis(2-ethylhexyl) phthalate	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4-Bromophenyl phenyl ether	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Butyl benzyl phthalate	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Carbazole	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4-Chloroaniline	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4-Chloro-3-methylphenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2-Chloronaphthalene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2-Chlorophenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4-Chlorophenyl phenyl ether	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Chrysene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Dibenz(a,h)anthracene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Dibenzofuran	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
1,2-Dichlorobenzene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
1,3-Dichlorobenzene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
1,4-Dichlorobenzene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
3,3'-Dichlorobenzidine	<2.39		2.39		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2,4-Dichlorophenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Diethyl phthalate	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2,4-Dimethylphenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Dimethyl phthalate	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Di-n-butyl phthalate	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4,6-Dinitro-2-methylphenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2,4-Dinitrophenol	<2.39		2.39		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2,4-Dinitrotoluene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2,6-Dinitrotoluene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Di-n-octyl phthalate	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Fluoranthene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Fluorene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Hexachlorobenzene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Hexachlorobutadiene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Hexachlorocyclopentadiene	<2.39		2.39		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Hexachloroethane	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Indeno(1,2,3-cd)pyrene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Isophorone	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2-Methylnaphthalene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2-Methylphenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4-Methylphenol (and/or 3-Methylphenol)	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Naphthalene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-4 (Samples 13-16)

Date Collected: 09/12/22 14:48

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-4

Matrix: Solid

Percent Solids: 79.3

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
3-Nitroaniline	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4-Nitroaniline	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Nitrobenzene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2-Nitrophenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
4-Nitrophenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
N-Nitrosodimethylamine	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
N-Nitrosodi-n-propylamine	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
N-Nitrosodiphenylamine	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Pentachlorophenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Phenanthrene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Phenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Pyrene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Pyridine	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Total Cresols	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
1,2,4-Trichlorobenzene	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2,4,5-Trichlorophenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
2,4,6-Trichlorophenol	<1.20		1.20		mg/Kg	⊗	09/16/22 13:32	09/19/22 18:40	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		66		26 - 114			09/16/22 13:32	09/19/22 18:40	5
2-Fluorophenol (Surr)		66		23 - 111			09/16/22 13:32	09/19/22 18:40	5
Nitrobenzene-d5 (Surr)		59		19 - 117			09/16/22 13:32	09/19/22 18:40	5
Phenol-d5 (Surr)		72		25 - 112			09/16/22 13:32	09/19/22 18:40	5
Terphenyl-d14 (Surr)		69		31 - 124			09/16/22 13:32	09/19/22 18:40	5
2,4,6-Tribromophenol (Surr)		49		11 - 111			09/16/22 13:32	09/19/22 18:40	5

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.73		9.73		mg/Kg		09/16/22 13:30	09/20/22 02:20	1
Gasoline	<9.73		9.73		mg/Kg		09/16/22 13:30	09/20/22 02:20	1
Waste Oil	<9.73		9.73		mg/Kg		09/16/22 13:30	09/20/22 02:20	1
Total Extractable Hydrocarbons	<14.6		14.6		mg/Kg		09/16/22 13:30	09/20/22 02:20	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane		86		12 - 126			09/16/22 13:30	09/20/22 02:20	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.92		0.963		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:40	5
Barium	203		0.963		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:40	5
Cadmium	<0.481		0.481		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:40	5
Chromium	19.5		1.44		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:40	5
Lead	19.3		2.41		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:40	5
Selenium	1.60		1.44		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:40	5
Silver	<0.241		0.241		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:40	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0270		0.0201		mg/Kg	⊗	09/14/22 12:26	09/17/22 12:10	1

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-5 (Samples 17-20)**Lab Sample ID: 310-240005-5**

Matrix: Solid

Percent Solids: 79.7

Date Collected: 09/12/22 13:46

Date Received: 09/13/22 16:55

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.138		0.138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Benzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Bromobenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Bromoform	<0.0276		0.0276		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Bromomethane	<0.0552		0.0552		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
2-Butanone (MEK)	<0.0552		0.0552		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Carbon disulfide	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Carbon tetrachloride	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Chlorobenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Chlorodibromomethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Chloroethane	<0.0552		0.0552		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Chloroform	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Chloromethane	<0.0552		0.0552		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
2-Chlorotoluene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
4-Chlorotoluene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
cis-1,2-Dichloroethene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
cis-1,3-Dichloropropene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2-Dibromo-3-chloropropane	<0.0276		0.0276		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2-Dibromoethane (EDB)	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Dibromomethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2-Dichlorobenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,3-Dichlorobenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,4-Dichlorobenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Dichlorodifluoromethane	<0.0414		0.0414		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,1-Dichloroethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2-Dichloroethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,1-Dichloroethene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2-Dichloropropane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,3-Dichloropropane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
2,2-Dichloropropane	<0.0552		0.0552		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,1-Dichloropropene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Ethylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Hexachlorobutadiene	<0.0689		0.0689		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Hexane	<0.0689		0.0689		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Isopropylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Methylene chloride	<0.138		0.138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Methyl tert-butyl ether	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Naphthalene	<0.0689		0.0689		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
n-Butylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
n-Propylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
p-Isopropyltoluene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
sec-Butylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Styrene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
tert-Butylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,1,1,2-Tetrachloroethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,1,2,2-Tetrachloroethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Tetrachloroethene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1

Eurofins Cedar Falls

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-5 (Samples 17-20)

Date Collected: 09/12/22 13:46

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-5

Matrix: Solid

Percent Solids: 79.7

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
trans-1,2-Dichloroethene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
trans-1,3-Dichloropropene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2,3-Trichlorobenzene	<0.0276		0.0276		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2,4-Trichlorobenzene	<0.0276		0.0276		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,1,1-Trichloroethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,1,2-Trichloroethane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Trichloroethene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Trichlorofluoromethane	<0.0552		0.0552		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2,3-Trichloropropane	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,2,4-Trimethylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
1,3,5-Trimethylbenzene	<0.0138		0.0138		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Vinyl chloride	<0.0276		0.0276		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Xylenes, Total	<0.0276		0.0276		mg/Kg	⊗	09/15/22 08:57	09/15/22 15:55	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		93		77 - 120			09/15/22 08:57	09/15/22 15:55	1
Dibromofluoromethane (Surr)		113		80 - 123			09/15/22 08:57	09/15/22 15:55	1
Toluene-d8 (Surr)		94		76 - 120			09/15/22 08:57	09/15/22 15:55	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0595		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Acenaphthylene	<0.0595		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Anthracene	0.0748		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Benzo(a)anthracene	0.303		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Benzo(a)pyrene	0.521		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Benzo(b)fluoranthene	0.754		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Benzo(g,h,i)perylene	0.470		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Benzo(k)fluoranthene	0.234		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Chrysene	0.795		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Dibenz(a,h)anthracene	0.116		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Fluoranthene	0.295		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Fluorene	<0.0595		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Indeno(1,2,3-cd)pyrene	0.491		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
2-Methylnaphthalene	0.102		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Naphthalene	<0.0595		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Phenanthrene	0.331		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Pyrene	0.342		0.0595		mg/Kg	⊗	09/16/22 13:48	09/20/22 15:51	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		90		20 - 110			09/16/22 13:48	09/20/22 15:51	5
Nitrobenzene-d5 (Surr)		80		11 - 116			09/16/22 13:48	09/20/22 15:51	5
Terphenyl-d14 (Surr)		85		18 - 110			09/16/22 13:48	09/20/22 15:51	5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Acenaphthylene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Anthracene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-5 (Samples 17-20)**Lab Sample ID: 310-240005-5**

Matrix: Solid

Percent Solids: 79.7

Date Collected: 09/12/22 13:46

Date Received: 09/13/22 16:55

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	<2.37		2.37		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Benzo(a)anthracene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Benzo(a)pyrene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Benzo(b)fluoranthene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Benzo(g,h,i)perylene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Benzoic acid	<5.92		5.92		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Benzo(k)fluoranthene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Benzyl alcohol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Bis(2-chloroethoxy)methane	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Bis(2-chloroethyl)ether	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
bis(2-chloroisopropyl) ether	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Bis(2-ethylhexyl) phthalate	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4-Bromophenyl phenyl ether	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Butyl benzyl phthalate	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Carbazole	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4-Chloroaniline	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4-Chloro-3-methylphenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2-Chloronaphthalene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2-Chlorophenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4-Chlorophenyl phenyl ether	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Chrysene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Dibenz(a,h)anthracene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Dibenzofuran	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
1,2-Dichlorobenzene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
1,3-Dichlorobenzene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
1,4-Dichlorobenzene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
3,3'-Dichlorobenzidine	<2.37		2.37		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2,4-Dichlorophenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Diethyl phthalate	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2,4-Dimethylphenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Dimethyl phthalate	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Di-n-butyl phthalate	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4,6-Dinitro-2-methylphenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2,4-Dinitrophenol	<2.37		2.37		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2,4-Dinitrotoluene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2,6-Dinitrotoluene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Di-n-octyl phthalate	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Fluoranthene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Fluorene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Hexachlorobenzene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Hexachlorobutadiene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Hexachlorocyclopentadiene	<2.37		2.37		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Hexachloroethane	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Indeno(1,2,3-cd)pyrene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Isophorone	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2-Methylnaphthalene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2-Methylphenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4-Methylphenol (and/or 3-Methylphenol)	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Naphthalene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-5 (Samples 17-20)

Date Collected: 09/12/22 13:46

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-5

Matrix: Solid

Percent Solids: 79.7

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
3-Nitroaniline	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4-Nitroaniline	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Nitrobenzene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2-Nitrophenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
4-Nitrophenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
N-Nitrosodimethylamine	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
N-Nitrosodi-n-propylamine	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
N-Nitrosodiphenylamine	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Pentachlorophenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Phenanthrene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Phenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Pyrene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Pyridine	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Total Cresols	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
1,2,4-Trichlorobenzene	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2,4,5-Trichlorophenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
2,4,6-Trichlorophenol	<1.18		1.18		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:05	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		76		26 - 114			09/16/22 13:32	09/19/22 19:05	5
2-Fluorophenol (Surr)		63		23 - 111			09/16/22 13:32	09/19/22 19:05	5
Nitrobenzene-d5 (Surr)		62		19 - 117			09/16/22 13:32	09/19/22 19:05	5
Phenol-d5 (Surr)		72		25 - 112			09/16/22 13:32	09/19/22 19:05	5
Terphenyl-d14 (Surr)		78		31 - 124			09/16/22 13:32	09/19/22 19:05	5
2,4,6-Tribromophenol (Surr)		53		11 - 111			09/16/22 13:32	09/19/22 19:05	5

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.51		9.51		mg/Kg		09/16/22 13:30	09/20/22 02:34	1
Gasoline	<9.51		9.51		mg/Kg		09/16/22 13:30	09/20/22 02:34	1
Waste Oil	201		9.51		mg/Kg		09/16/22 13:30	09/20/22 02:34	1
Total Extractable Hydrocarbons	<14.3		14.3		mg/Kg		09/16/22 13:30	09/20/22 02:34	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane		94		12 - 126			09/16/22 13:30	09/20/22 02:34	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.1		0.938		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:43	5
Barium	251		0.938		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:43	5
Cadmium	2.02		0.469		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:43	5
Chromium	19.3		1.41		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:43	5
Lead	435		9.38		mg/Kg	⊗	09/15/22 09:23	09/22/22 12:38	20
Selenium	2.10		1.41		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:43	5
Silver	0.364		0.235		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:43	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.770		0.211		mg/Kg	⊗	09/14/22 12:26	09/17/22 12:16	10

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
 Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-6 (Samples 21-24)

Date Collected: 09/12/22 12:58

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-6

Matrix: Solid

Percent Solids: 81.9

Method: 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.119		0.119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Benzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Bromobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Bromoform	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Bromomethane	<0.0478		0.0478		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
2-Butanone (MEK)	<0.0478		0.0478		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Carbon disulfide	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Carbon tetrachloride	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Chlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Chlorodibromomethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Chloroethane	<0.0478		0.0478		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Chloroform	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Chloromethane	<0.0478		0.0478		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
2-Chlorotoluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
4-Chlorotoluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
cis-1,2-Dichloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
cis-1,3-Dichloropropene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2-Dibromo-3-chloropropane	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2-Dibromoethane (EDB)	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Dibromomethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2-Dichlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,3-Dichlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,4-Dichlorobenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Dichlorodifluoromethane	<0.0358		0.0358		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,1-Dichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2-Dichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,1-Dichloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2-Dichloropropane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,3-Dichloropropane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
2,2-Dichloropropane	<0.0478		0.0478		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,1-Dichloropropene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Ethylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Hexachlorobutadiene	<0.0597		0.0597		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Hexane	<0.0597		0.0597		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Isopropylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Methylene chloride	<0.119		0.119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Methyl tert-butyl ether	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Naphthalene	<0.0597		0.0597		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
n-Butylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
n-Propylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
p-Isopropyltoluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
sec-Butylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Styrene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
tert-Butylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,1,1,2-Tetrachloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,1,2,2-Tetrachloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Tetrachloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1

Eurofins Cedar Falls

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-6 (Samples 21-24)

Date Collected: 09/12/22 12:58

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-6

Matrix: Solid

Percent Solids: 81.9

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
trans-1,2-Dichloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
trans-1,3-Dichloropropene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2,3-Trichlorobenzene	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2,4-Trichlorobenzene	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,1,1-Trichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,1,2-Trichloroethane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Trichloroethene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Trichlorofluoromethane	<0.0478		0.0478		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2,3-Trichloropropane	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,2,4-Trimethylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
1,3,5-Trimethylbenzene	<0.0119		0.0119		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Vinyl chloride	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Xylenes, Total	<0.0239		0.0239		mg/Kg	⊗	09/15/22 08:57	09/15/22 16:19	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		95		77 - 120			09/15/22 08:57	09/15/22 16:19	1
Dibromofluoromethane (Surr)		114		80 - 123			09/15/22 08:57	09/15/22 16:19	1
Toluene-d8 (Surr)		96		76 - 120			09/15/22 08:57	09/15/22 16:19	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.0581		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Acenaphthylene	<0.0581		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Anthracene	<0.0581		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Benzo(a)anthracene	0.147		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Benzo(a)pyrene	0.109		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Benzo(b)fluoranthene	0.145		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Benzo(g,h,i)perylene	0.0928		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Benzo(k)fluoranthene	<0.0581		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Chrysene	0.190		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Dibenz(a,h)anthracene	<0.0581		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Fluoranthene	0.259		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Fluorene	<0.0581		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Indeno(1,2,3-cd)pyrene	0.0684		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
2-Methylnaphthalene	0.303		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Naphthalene	0.112		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Phenanthrene	0.600		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Pyrene	0.259		0.0581		mg/Kg	⊗	09/16/22 13:48	09/20/22 16:11	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)		86		20 - 110			09/16/22 13:48	09/20/22 16:11	5
Nitrobenzene-d5 (Surr)		80		11 - 116			09/16/22 13:48	09/20/22 16:11	5
Terphenyl-d14 (Surr)		79		18 - 110			09/16/22 13:48	09/20/22 16:11	5

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Acenaphthylene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Anthracene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-6 (Samples 21-24)**Lab Sample ID: 310-240005-6**

Matrix: Solid

Percent Solids: 81.9

Date Collected: 09/12/22 12:58
Date Received: 09/13/22 16:55

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	<2.42		2.42		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Benzo(a)anthracene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Benzo(a)pyrene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Benzo(b)fluoranthene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Benzo(g,h,i)perylene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Benzoic acid	<6.05		6.05		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Benzo(k)fluoranthene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Benzyl alcohol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Bis(2-chloroethoxy)methane	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Bis(2-chloroethyl)ether	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
bis(2-chloroisopropyl) ether	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Bis(2-ethylhexyl) phthalate	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4-Bromophenyl phenyl ether	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Butyl benzyl phthalate	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Carbazole	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4-Chloroaniline	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4-Chloro-3-methylphenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2-Chloronaphthalene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2-Chlorophenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4-Chlorophenyl phenyl ether	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Chrysene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Dibenz(a,h)anthracene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Dibenzofuran	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
1,2-Dichlorobenzene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
1,3-Dichlorobenzene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
1,4-Dichlorobenzene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
3,3'-Dichlorobenzidine	<2.42		2.42		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2,4-Dichlorophenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Diethyl phthalate	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2,4-Dimethylphenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Dimethyl phthalate	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Di-n-butyl phthalate	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4,6-Dinitro-2-methylphenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2,4-Dinitrophenol	<2.42		2.42		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2,4-Dinitrotoluene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2,6-Dinitrotoluene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Di-n-octyl phthalate	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Fluoranthene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Fluorene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Hexachlorobenzene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Hexachlorobutadiene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Hexachlorocyclopentadiene	<2.42		2.42		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Hexachloroethane	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Indeno(1,2,3-cd)pyrene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Isophorone	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2-Methylnaphthalene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2-Methylphenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4-Methylphenol (and/or 3-Methylphenol)	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Naphthalene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5

Eurofins Cedar Falls

Client Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Client Sample ID: SS-6 (Samples 21-24)**Lab Sample ID: 310-240005-6**

Matrix: Solid

Percent Solids: 81.9

Date Collected: 09/12/22 12:58

Date Received: 09/13/22 16:55

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
3-Nitroaniline	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4-Nitroaniline	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Nitrobenzene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2-Nitrophenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
4-Nitrophenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
N-Nitrosodimethylamine	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
N-Nitrosodi-n-propylamine	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
N-Nitrosodiphenylamine	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Pentachlorophenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Phenanthrene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Phenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Pyrene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Pyridine	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Total Cresols	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
1,2,4-Trichlorobenzene	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2,4,5-Trichlorophenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
2,4,6-Trichlorophenol	<1.21		1.21		mg/Kg	⊗	09/16/22 13:32	09/19/22 19:30	5
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	97		26 - 114				09/16/22 13:32	09/19/22 19:30	5
2-Fluorophenol (Surr)	86		23 - 111				09/16/22 13:32	09/19/22 19:30	5
Nitrobenzene-d5 (Surr)	84		19 - 117				09/16/22 13:32	09/19/22 19:30	5
Phenol-d5 (Surr)	93		25 - 112				09/16/22 13:32	09/19/22 19:30	5
Terphenyl-d14 (Surr)	93		31 - 124				09/16/22 13:32	09/19/22 19:30	5
2,4,6-Tribromophenol (Surr)	68		11 - 111				09/16/22 13:32	09/19/22 19:30	5

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.55		9.55		mg/Kg		09/16/22 13:30	09/20/22 02:49	1
Gasoline	<9.55		9.55		mg/Kg		09/16/22 13:30	09/20/22 02:49	1
Waste Oil	53.6		9.55		mg/Kg		09/16/22 13:30	09/20/22 02:49	1
Total Extractable Hydrocarbons	<14.3		14.3		mg/Kg		09/16/22 13:30	09/20/22 02:49	1
Surrogate		%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
n-Octacosane	83		12 - 126				09/16/22 13:30	09/20/22 02:49	1

Method: 6020A - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.87		0.897		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:46	5
Barium	251		0.897		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:46	5
Cadmium	0.507		0.449		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:46	5
Chromium	19.7		1.35		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:46	5
Lead	30.4		2.24		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:46	5
Selenium	2.07		1.35		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:46	5
Silver	<0.224		0.224		mg/Kg	⊗	09/15/22 09:23	09/22/22 00:46	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0988		0.0209		mg/Kg	⊗	09/14/22 12:26	09/17/22 12:18	1

Eurofins Cedar Falls

Definitions/Glossary

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Surrogate Summary

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8260D - Volatile Organic Compounds by GC/MS**Matrix: Solid****Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (77-120)	DBFM (80-123)	TOL (76-120)
310-240005-1	SS-1 (Samples 1-4)	96	114	95
310-240005-2	SS-2 (Samples 5-8)	93	112	91
310-240005-3	SS-3 (Samples 9-12)	95	114	95
310-240005-4	SS-4 (Samples 13-16)	94	113	97
310-240005-5	SS-5 (Samples 17-20)	93	113	94
310-240005-6	SS-6 (Samples 21-24)	95	114	96
LCS 310-365585/2-A	Lab Control Sample	102	102	99
MB 310-365585/1-A	Method Blank	96	112	97

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)**Matrix: Solid****Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (26-114)	2FP (23-111)	NBZ (19-117)	PHL (25-112)	TPHL (31-124)	TBP (11-111)
310-240005-1	SS-1 (Samples 1-4)	63	61	54	66	71	52
310-240005-2	SS-2 (Samples 5-8)	81	81	74	86	92	66
310-240005-2 MS	SS-2 (Samples 5-8)	53	65	53	69	47	40
310-240005-2 MSD	SS-2 (Samples 5-8)	67	61	57	65	71	54
310-240005-3	SS-3 (Samples 9-12)	72	67	62	75	78	57
310-240005-4	SS-4 (Samples 13-16)	66	66	59	72	69	49
310-240005-5	SS-5 (Samples 17-20)	76	63	62	72	78	53
310-240005-6	SS-6 (Samples 21-24)	97	86	84	93	93	68
LCS 310-365803/2-A	Lab Control Sample	55	83	43	46	76	66
MB 310-365803/1-A	Method Blank	77	77	67	81	95	71

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

TBP = 2,4,6-Tribromophenol (Surr)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)**Matrix: Solid****Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (20-110)	NBZ (11-116)	TPHL (18-110)
310-240005-1	SS-1 (Samples 1-4)	76	70	89
310-240005-2	SS-2 (Samples 5-8)	76	70	88
310-240005-3	SS-3 (Samples 9-12)	83	77	89
310-240005-3 MS	SS-3 (Samples 9-12)	73	64	78
310-240005-3 MSD	SS-3 (Samples 9-12)	75	71	78
310-240005-4	SS-4 (Samples 13-16)	80	75	79

Eurofins Cedar Falls

Surrogate Summary

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (20-110)	NBZ (11-116)	TPHL (18-110)
310-240005-5	SS-5 (Samples 17-20)	90	80	85
310-240005-6	SS-6 (Samples 21-24)	86	80	79
LCS 310-365813/2-A	Lab Control Sample	80	74	87
MB 310-365813/1-A	Method Blank	93	87	100

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (10-110)	TCX1 (10-110)
310-240005-1	SS-1 (Samples 1-4)	41	37
310-240005-1 MS	SS-1 (Samples 1-4)	49	50
310-240005-1 MSD	SS-1 (Samples 1-4)	42	36
310-240005-2	SS-2 (Samples 5-8)	46	37
LCS 310-365809/2-A	Lab Control Sample	46	52
MB 310-365809/1-A	Method Blank	81	83

Surrogate Legend

DCB = DCB Decachlorobiphenyl (Surr)

TCX = Tetrachloro-m-xylene (Surr)

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		OTCN (12-126)	
310-240005-4	SS-4 (Samples 13-16)	86	
310-240005-4 MS	SS-4 (Samples 13-16)	89	
310-240005-4 MSD	SS-4 (Samples 13-16)	109	
310-240005-5	SS-5 (Samples 17-20)	94	
310-240005-6	SS-6 (Samples 21-24)	83	
LCS 310-365802/2-A	Lab Control Sample	91	
MB 310-365802/1-A	Method Blank	82	

Surrogate Legend

OTCN = n-Octacosane

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8260D - Volatile Organic Compounds by GC/MS**Lab Sample ID: MB 310-365585/1-A****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 365585****Prep Batch: 365585**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.0994		0.0994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Benzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Bromobenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Bromochloromethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Bromodichloromethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Bromoform	<0.0199		0.0199		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Bromomethane	<0.0398		0.0398		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
2-Butanone (MEK)	<0.0398		0.0398		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Carbon disulfide	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Carbon tetrachloride	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Chlorobenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Chlorodibromomethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Chloroethane	<0.0398		0.0398		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Chloroform	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Chloromethane	<0.0398		0.0398		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
2-Chlorotoluene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
4-Chlorotoluene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
cis-1,2-Dichloroethene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
cis-1,3-Dichloropropene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2-Dibromo-3-chloropropane	<0.0199		0.0199		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2-Dibromoethane (EDB)	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Dibromomethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2-Dichlorobenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,3-Dichlorobenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,4-Dichlorobenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Dichlorodifluoromethane	<0.0298		0.0298		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,1-Dichloroethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2-Dichloroethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,1-Dichloroethene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2-Dichloropropane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,3-Dichloropropane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
2,2-Dichloropropane	<0.0398		0.0398		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,1-Dichloropropene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Ethylbenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Hexachlorobutadiene	<0.0497		0.0497		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Hexane	<0.0497		0.0497		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Isopropylbenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Methylene chloride	<0.0994		0.0994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Methyl tert-butyl ether	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Naphthalene	<0.0497		0.0497		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
n-Butylbenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
n-Propylbenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
p-Isopropyltoluene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
sec-Butylbenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Styrene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
tert-Butylbenzene	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,1,1,2-Tetrachloroethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,1,2,2-Tetrachloroethane	<0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)**Lab Sample ID: MB 310-365585/1-A****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 365585****Prep Batch: 365585**

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Tetrachloroethene	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Toluene	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
trans-1,2-Dichloroethene	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
trans-1,3-Dichloropropene	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2,3-Trichlorobenzene	<0.0199		0.0199		0.0199		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2,4-Trichlorobenzene	<0.0199		0.0199		0.0199		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,1,1-Trichloroethane	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,1,2-Trichloroethane	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Trichloroethylene	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Trichlorofluoromethane	<0.0398		0.0398		0.0398		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2,3-Trichloropropane	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,2,4-Trimethylbenzene	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
1,3,5-Trimethylbenzene	<0.00994		0.00994		0.00994		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Vinyl chloride	<0.0199		0.0199		0.0199		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Xylenes, Total	<0.0199		0.0199		0.0199		mg/Kg	09/15/22 08:57	09/15/22 12:13		1
Surrogate	MB	MB	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
	%Recovery	Qualifier									
4-Bromofluorobenzene (Surr)	96		77 - 120					09/15/22 08:57	09/15/22 12:13		1
Dibromofluoromethane (Surr)	112		80 - 123					09/15/22 08:57	09/15/22 12:13		1
Toluene-d8 (Surr)	97		76 - 120					09/15/22 08:57	09/15/22 12:13		1

Lab Sample ID: LCS 310-365585/2-A**Client Sample ID: Lab Control Sample****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 365585****Prep Batch: 365585**

Analyte	Spike Added	LC S	LC S	Result	Qualifier	Unit	D	%Rec	Limits		
		Added	Result								
Acetone	0.151		0.1380			mg/Kg	91	52 - 150			
Benzene	0.0756		0.07822			mg/Kg	103	77 - 134			
Bromobenzene	0.0756		0.07365			mg/Kg	97	77 - 121			
Bromochloromethane	0.0756		0.07627			mg/Kg	101	80 - 135			
Bromodichloromethane	0.0756		0.07533			mg/Kg	100	78 - 122			
Bromoform	0.0756		0.07788			mg/Kg	103	72 - 122			
2-Butanone (MEK)	0.151		0.1624			mg/Kg	107	60 - 150			
Carbon disulfide	0.0756		0.06987			mg/Kg	92	61 - 142			
Carbon tetrachloride	0.0756		0.07813			mg/Kg	103	77 - 127			
Chlorobenzene	0.0756		0.07322			mg/Kg	97	76 - 120			
Chlorodibromomethane	0.0756		0.07626			mg/Kg	101	78 - 122			
Chloroform	0.0756		0.08115			mg/Kg	107	78 - 127			
2-Chlorotoluene	0.0756		0.07330			mg/Kg	97	76 - 121			
4-Chlorotoluene	0.0756		0.07347			mg/Kg	97	70 - 120			
cis-1,2-Dichloroethene	0.0756		0.07762			mg/Kg	103	74 - 136			
cis-1,3-Dichloropropene	0.0756		0.08140			mg/Kg	108	79 - 126			
1,2-Dibromo-3-chloropropane	0.0756		0.08163			mg/Kg	108	52 - 150			
1,2-Dibromoethane (EDB)	0.0756		0.07736			mg/Kg	102	80 - 125			
Dibromomethane	0.0756		0.07883			mg/Kg	104	80 - 130			
1,2-Dichlorobenzene	0.0756		0.07452			mg/Kg	99	72 - 122			
1,3-Dichlorobenzene	0.0756		0.07323			mg/Kg	97	67 - 124			
1,4-Dichlorobenzene	0.0756		0.07171			mg/Kg	95	66 - 124			

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 310-365585/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365585

Prep Batch: 365585

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1-Dichloroethane	0.0756	0.07768		mg/Kg		103	74 - 137
1,2-Dichloroethane	0.0756	0.07904		mg/Kg		105	79 - 132
1,1-Dichloroethene	0.0756	0.07306		mg/Kg		97	62 - 130
1,2-Dichloropropane	0.0756	0.07955		mg/Kg		105	78 - 135
1,3-Dichloropropane	0.0756	0.07956		mg/Kg		105	79 - 139
2,2-Dichloropropane	0.0756	0.08121		mg/Kg		107	54 - 150
1,1-Dichloropropene	0.0756	0.07984		mg/Kg		106	76 - 133
Ethylbenzene	0.0756	0.07462		mg/Kg		99	78 - 122
Hexachlorobutadiene	0.0756	0.06978		mg/Kg		92	41 - 141
Hexane	0.0756	0.06800		mg/Kg		90	36 - 136
Isopropylbenzene	0.0756	0.07535		mg/Kg		100	76 - 120
Methylene chloride	0.0756	0.07206	J	mg/Kg		95	55 - 150
Methyl tert-butyl ether	0.0756	0.08099		mg/Kg		107	73 - 135
Naphthalene	0.0756	0.08314		mg/Kg		110	52 - 150
n-Butylbenzene	0.0756	0.07552		mg/Kg		100	59 - 125
n-Propylbenzene	0.0756	0.07499		mg/Kg		99	74 - 123
p-Isopropyltoluene	0.0756	0.07699		mg/Kg		102	67 - 123
sec-Butylbenzene	0.0756	0.07705		mg/Kg		102	70 - 123
Styrene	0.0756	0.07628		mg/Kg		101	75 - 120
tert-Butylbenzene	0.0756	0.07830		mg/Kg		104	74 - 124
1,1,1,2-Tetrachloroethane	0.0756	0.07781		mg/Kg		103	77 - 121
1,1,2,2-Tetrachloroethane	0.0756	0.08229		mg/Kg		109	80 - 127
Tetrachloroethene	0.0756	0.07127		mg/Kg		94	72 - 121
Toluene	0.0756	0.07282		mg/Kg		96	77 - 121
trans-1,2-Dichloroethene	0.0756	0.07639		mg/Kg		101	71 - 134
trans-1,3-Dichloropropene	0.0756	0.08129		mg/Kg		108	77 - 122
1,2,3-Trichlorobenzene	0.0756	0.07030		mg/Kg		93	47 - 147
1,2,4-Trichlorobenzene	0.0756	0.06932		mg/Kg		92	49 - 139
1,1,1-Trichloroethane	0.0756	0.07977		mg/Kg		106	79 - 132
1,1,2-Trichloroethane	0.0756	0.07700		mg/Kg		102	80 - 124
Trichloroethene	0.0756	0.07171		mg/Kg		95	76 - 132
1,2,3-Trichloropropane	0.0756	0.07858		mg/Kg		104	79 - 126
1,2,4-Trimethylbenzene	0.0756	0.07866		mg/Kg		104	69 - 125
1,3,5-Trimethylbenzene	0.0756	0.07771		mg/Kg		103	70 - 122
Xylenes, Total	0.151	0.1499		mg/Kg		99	76 - 124

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		77 - 120
Dibromofluoromethane (Surr)	102		80 - 123
Toluene-d8 (Surr)	99		76 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 310-365803/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365942

Prep Batch: 365803

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.199		0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: MB 310-365803/1-A****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 365942****Prep Batch: 365803**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Anthracene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzidine	<0.399		0.399		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzo(a)anthracene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzo(a)pyrene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzo(b)fluoranthene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzo(g,h,i)perylene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzoic acid	<0.996		0.996		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzo(k)fluoranthene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Benzyl alcohol	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Bis(2-chloroethoxy)methane	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Bis(2-chloroethyl)ether	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
bis(2-chloroisopropyl) ether	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Bis(2-ethylhexyl) phthalate	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
4-Bromophenyl phenyl ether	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Butyl benzyl phthalate	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Carbazole	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
4-Chloroaniline	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
4-Chloro-3-methylphenol	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2-Chloronaphthalene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2-Chlorophenol	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
4-Chlorophenyl phenyl ether	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Chrysene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Dibenz(a,h)anthracene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Dibenzofuran	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
1,2-Dichlorobenzene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
1,3-Dichlorobenzene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
1,4-Dichlorobenzene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
3,3'-Dichlorobenzidine	<0.399		0.399		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2,4-Dichlorophenol	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Diethyl phthalate	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2,4-Dimethylphenol	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Dimethyl phthalate	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Di-n-butyl phthalate	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
4,6-Dinitro-2-methylphenol	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2,4-Dinitrophenol	<0.399		0.399		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2,4-Dinitrotoluene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2,6-Dinitrotoluene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Di-n-octyl phthalate	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Fluoranthene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Fluorene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Hexachlorobenzene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Hexachlorobutadiene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Hexachlorocyclopentadiene	<0.399		0.399		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Hexachloroethane	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Indeno(1,2,3-cd)pyrene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
Isophorone	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2-Methylnaphthalene	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1
2-Methylphenol	<0.199		0.199		mg/Kg	09/16/22 13:32	09/19/22 14:05	09/19/22 14:05	1

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 310-365803/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365942

Prep Batch: 365803

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
4-Methylphenol (and/or 3-Methylphenol)	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Naphthalene	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
2-Nitroaniline	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
3-Nitroaniline	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
4-Nitroaniline	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Nitrobenzene	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
2-Nitrophenol	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
4-Nitrophenol	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
N-Nitrosodimethylamine	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
N-Nitrosodi-n-propylamine	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
N-Nitrosodiphenylamine	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Pentachlorophenol	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Phenanthrene	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Phenol	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Pyrene	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Pyridine	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
Total Cresols	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
1,2,4-Trichlorobenzene	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
2,4,5-Trichlorophenol	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1
2,4,6-Trichlorophenol	<0.199				0.199		mg/Kg		09/16/22 13:32	09/19/22 14:05	1

Surrogate	MB	MB	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
2-Fluorobiphenyl (Surr)	77		26 - 114			09/16/22 13:32	09/19/22 14:05	1
2-Fluorophenol (Surr)	77		23 - 111			09/16/22 13:32	09/19/22 14:05	1
Nitrobenzene-d5 (Surr)	67		19 - 117			09/16/22 13:32	09/19/22 14:05	1
Phenol-d5 (Surr)	81		25 - 112			09/16/22 13:32	09/19/22 14:05	1
Terphenyl-d14 (Surr)	95		31 - 124			09/16/22 13:32	09/19/22 14:05	1
2,4,6-Tribromophenol (Surr)	71		11 - 111			09/16/22 13:32	09/19/22 14:05	1

Lab Sample ID: LCS 310-365803/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365942

Prep Batch: 365803

Analyte	Spike	LCS	LCS	%Rec			
	Added	Result	Qualifier	Unit	D	%Rec	Limits
Acenaphthene	3.14	1.950		mg/Kg		62	29 - 110
Acenaphthylene	3.14	1.809		mg/Kg		58	25 - 110
Anthracene	3.14	2.196		mg/Kg		70	36 - 110
Benzo(a)anthracene	3.14	2.175		mg/Kg		69	39 - 110
Benzo(a)pyrene	3.14	2.229		mg/Kg		71	31 - 111
Benzo(b)fluoranthene	3.14	2.445		mg/Kg		78	33 - 110
Benzo(g,h,i)perylene	3.14	2.156		mg/Kg		69	32 - 110
Benzo(k)fluoranthene	3.14	2.253		mg/Kg		72	37 - 110
Benzyl alcohol	3.14	1.418		mg/Kg		45	24 - 110
Bis(2-chloroethoxy)methane	3.14	1.542		mg/Kg		49	25 - 110
Bis(2-chloroethyl)ether	3.14	2.620		mg/Kg		84	24 - 110
bis(2-chloroisopropyl) ether	3.14	1.302		mg/Kg		42	24 - 110
Bis(2-ethylhexyl) phthalate	3.14	2.149		mg/Kg		69	34 - 115
4-Bromophenyl phenyl ether	3.14	2.043		mg/Kg		65	32 - 110

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 310-365803/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365942

Prep Batch: 365803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Butyl benzyl phthalate	3.14	2.178		mg/Kg	69	37 - 110	
Carbazole	3.14	2.092		mg/Kg	67	36 - 110	
4-Chloroaniline	3.14	1.686		mg/Kg	54	19 - 110	
4-Chloro-3-methylphenol	3.14	2.121		mg/Kg	68	32 - 110	
2-Chloronaphthalene	3.14	1.701		mg/Kg	54	25 - 110	
2-Chlorophenol	3.14	1.629		mg/Kg	52	29 - 110	
4-Chlorophenyl phenyl ether	3.14	2.040		mg/Kg	65	33 - 110	
Chrysene	3.14	2.092		mg/Kg	67	38 - 110	
Dibenz(a,h)anthracene	3.14	2.228		mg/Kg	71	32 - 110	
Dibenzofuran	3.14	1.956		mg/Kg	62	31 - 110	
1,2-Dichlorobenzene	3.14	1.200		mg/Kg	38	23 - 110	
1,3-Dichlorobenzene	3.14	1.378		mg/Kg	44	24 - 110	
1,4-Dichlorobenzene	3.14	1.362		mg/Kg	43	24 - 110	
2,4-Dichlorophenol	3.14	1.722		mg/Kg	55	29 - 110	
Diethyl phthalate	3.14	2.010		mg/Kg	64	32 - 110	
2,4-Dimethylphenol	3.14	1.620		mg/Kg	52	29 - 110	
Dimethyl phthalate	3.14	1.862		mg/Kg	59	31 - 110	
Di-n-butyl phthalate	3.14	2.209		mg/Kg	70	40 - 110	
4,6-Dinitro-2-methylphenol	6.27	2.125		mg/Kg	34	10 - 110	
2,4-Dinitrophenol	6.27	1.259		mg/Kg	20	10 - 110	
2,4-Dinitrotoluene	3.14	2.099		mg/Kg	67	34 - 110	
2,6-Dinitrotoluene	3.14	1.977		mg/Kg	63	33 - 110	
Di-n-octyl phthalate	3.14	2.337		mg/Kg	75	34 - 118	
Fluoranthene	3.14	2.162		mg/Kg	69	37 - 110	
Fluorene	3.14	2.162		mg/Kg	69	32 - 110	
Hexachlorobenzene	3.14	2.089		mg/Kg	67	33 - 110	
Hexachlorobutadiene	3.14	1.509		mg/Kg	48	25 - 110	
Hexachlorocyclopentadiene	3.14	1.645		mg/Kg	52	18 - 110	
Hexachloroethane	3.14	1.030		mg/Kg	33	23 - 110	
Indeno(1,2,3-cd)pyrene	3.14	2.223		mg/Kg	71	34 - 110	
Isophorone	3.14	1.614		mg/Kg	51	29 - 110	
2-Methylnaphthalene	3.14	1.970		mg/Kg	63	30 - 110	
2-Methylphenol	3.14	1.313		mg/Kg	42	30 - 110	
4-Methylphenol (and/or 3-Methylphenol)	3.14	1.424		mg/Kg	45	30 - 110	
Naphthalene	3.14	1.566		mg/Kg	50	26 - 110	
2-Nitroaniline	3.14	1.819		mg/Kg	58	31 - 110	
3-Nitroaniline	3.14	2.041		mg/Kg	65	25 - 110	
4-Nitroaniline	3.14	1.829		mg/Kg	58	10 - 110	
Nitrobenzene	3.14	1.217		mg/Kg	39	25 - 110	
2-Nitrophenol	3.14	1.477		mg/Kg	47	27 - 110	
4-Nitrophenol	6.27	3.727		mg/Kg	59	30 - 110	
N-Nitrosodimethylamine	3.14	2.079		mg/Kg	66	22 - 110	
N-Nitrosodi-n-propylamine	3.14	2.728		mg/Kg	87	29 - 110	
N-Nitrosodiphenylamine	3.14	2.030		mg/Kg	65	30 - 110	
Pentachlorophenol	6.27	4.631		mg/Kg	74	10 - 111	
Phenanthrene	3.14	2.401		mg/Kg	77	35 - 110	
Phenol	3.14	1.628		mg/Kg	52	28 - 110	
Pyrene	3.14	2.388		mg/Kg	76	36 - 110	

Eurofins Cedar Falls

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: LCS 310-365803/2-A****Matrix: Solid****Analysis Batch: 365942****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 365803**

Analyte		Spike	LCS	LCS	Unit	D	%Rec	Limits
		Added	Result	Qualifier				
Pyridine		6.27	3.238		mg/Kg		52	10 - 110
1,2,4-Trichlorobenzene		3.14	1.382		mg/Kg		44	26 - 110
2,4,5-Trichlorophenol		3.14	1.724		mg/Kg		55	27 - 110
2,4,6-Trichlorophenol		3.14	1.733		mg/Kg		55	29 - 110
Surrogate		LCS	LCS					
		%Recovery	Qualifier					
2-Fluorobiphenyl (Surr)		55		26 - 114				
2-Fluorophenol (Surr)		83		23 - 111				
Nitrobenzene-d5 (Surr)		43		19 - 117				
Phenol-d5 (Surr)		46		25 - 112				
Terphenyl-d14 (Surr)		76		31 - 124				
2,4,6-Tribromophenol (Surr)		66		11 - 111				

Lab Sample ID: 310-240005-2 MS**Matrix: Solid****Analysis Batch: 365942****Client Sample ID: SS-2 (Samples 5-8)****Prep Type: Total/NA****Prep Batch: 365803**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	<1.15		3.89	1.661		mg/Kg	⊗	43	13 - 114
Acenaphthylene	<1.15		3.89	1.714		mg/Kg	⊗	44	20 - 110
Anthracene	<1.15		3.89	1.719		mg/Kg	⊗	44	14 - 119
Benzo(a)anthracene	<1.15		3.89	1.752		mg/Kg	⊗	45	20 - 112
Benzo(a)pyrene	<1.15	F2	3.89	1.628		mg/Kg	⊗	42	17 - 115
Benzo(b)fluoranthene	<1.15		3.89	1.726		mg/Kg	⊗	44	19 - 113
Benzo(g,h,i)perylene	<1.15	F2	3.89	1.497		mg/Kg	⊗	38	10 - 121
Benzo(k)fluoranthene	<1.15	F2	3.89	1.556		mg/Kg	⊗	40	21 - 110
Benzyl alcohol	<1.15		3.89	2.221		mg/Kg	⊗	57	10 - 110
Bis(2-chloroethoxy)methane	<1.15		3.89	2.001		mg/Kg	⊗	51	20 - 110
Bis(2-chloroethyl)ether	<1.15		3.89	2.115		mg/Kg	⊗	54	14 - 110
bis(2-chloroisopropyl) ether	<1.15		3.89	1.915		mg/Kg	⊗	49	18 - 110
Bis(2-ethylhexyl) phthalate	<1.15	F2	3.89	1.741		mg/Kg	⊗	45	16 - 125
4-Bromophenyl phenyl ether	<1.15		3.89	1.550		mg/Kg	⊗	40	24 - 110
Butyl benzyl phthalate	<1.15		3.89	1.998		mg/Kg	⊗	51	23 - 119
Carbazole	<1.15		3.89	1.819		mg/Kg	⊗	47	20 - 110
4-Chloroaniline	<1.15		3.89	1.405		mg/Kg	⊗	36	17 - 110
4-Chloro-3-methylphenol	<1.15		3.89	1.968		mg/Kg	⊗	51	24 - 110
2-Chloronaphthalene	<1.15		3.89	1.680		mg/Kg	⊗	43	20 - 110
2-Chlorophenol	<1.15		3.89	2.268		mg/Kg	⊗	58	12 - 114
4-Chlorophenyl phenyl ether	<1.15		3.89	1.544		mg/Kg	⊗	40	23 - 110
Chrysene	<1.15		3.89	1.698		mg/Kg	⊗	44	20 - 111
Dibenz(a,h)anthracene	<1.15	F2	3.89	1.741		mg/Kg	⊗	45	15 - 123
Dibenzofuran	<1.15		3.89	1.709		mg/Kg	⊗	44	19 - 110
1,2-Dichlorobenzene	<1.15		3.89	1.618		mg/Kg	⊗	42	20 - 110
1,3-Dichlorobenzene	<1.15		3.89	1.433		mg/Kg	⊗	37	14 - 110
1,4-Dichlorobenzene	<1.15		3.89	1.486		mg/Kg	⊗	38	19 - 110
2,4-Dichlorophenol	<1.15		3.89	1.903		mg/Kg	⊗	49	18 - 110
Diethyl phthalate	<1.15		3.89	2.056		mg/Kg	⊗	53	21 - 110
2,4-Dimethylphenol	<1.15		3.89	1.775		mg/Kg	⊗	46	13 - 110

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: 310-240005-2 MS****Matrix: Solid****Analysis Batch: 365942****Client Sample ID: SS-2 (Samples 5-8)****Prep Type: Total/NA****Prep Batch: 365803**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits	%Rec
	Result	Qualifier	Added	Result	Qualifier					
Dimethyl phthalate	<1.15		3.89	2.099		mg/Kg	⊗	54	16 - 110	
Di-n-butyl phthalate	<1.15		3.89	1.800		mg/Kg	⊗	46	25 - 111	
4,6-Dinitro-2-methylphenol	<1.15	F2	7.78	1.792		mg/Kg	⊗	23	10 - 110	
2,4-Dinitrophenol	<2.30	F1	7.78	<2.33	F1	mg/Kg	⊗	0	10 - 110	
2,4-Dinitrotoluene	<1.15		3.89	1.806		mg/Kg	⊗	46	13 - 110	
2,6-Dinitrotoluene	<1.15		3.89	2.030		mg/Kg	⊗	52	13 - 111	
Di-n-octyl phthalate	<1.15	F2	3.89	1.832		mg/Kg	⊗	47	11 - 137	
Fluoranthene	<1.15		3.89	1.665		mg/Kg	⊗	43	14 - 112	
Fluorene	<1.15		3.89	1.718		mg/Kg	⊗	44	15 - 111	
Hexachlorobenzene	<1.15	F2	3.89	1.284		mg/Kg	⊗	33	23 - 110	
Hexachlorobutadiene	<1.15		3.89	1.250		mg/Kg	⊗	32	20 - 110	
Hexachlorocyclopentadiene	<2.30	F2	3.89	<2.33		mg/Kg	⊗	18	10 - 110	
Hexachloroethane	<1.15		3.89	1.289		mg/Kg	⊗	33	10 - 111	
Indeno(1,2,3-cd)pyrene	<1.15	F2	3.89	1.578		mg/Kg	⊗	41	11 - 124	
Isophorone	<1.15		3.89	2.080		mg/Kg	⊗	53	21 - 110	
2-Methylnaphthalene	<1.15		3.89	1.792		mg/Kg	⊗	46	18 - 111	
2-Methylphenol	<1.15		3.89	2.199		mg/Kg	⊗	57	20 - 110	
4-Methylphenol (and/or 3-Methylphenol)	<1.15		3.89	2.347		mg/Kg	⊗	60	22 - 110	
Naphthalene	<1.15		3.89	1.839		mg/Kg	⊗	47	17 - 110	
2-Nitroaniline	<1.15		3.89	1.947		mg/Kg	⊗	50	19 - 110	
3-Nitroaniline	<1.15		3.89	1.894		mg/Kg	⊗	49	18 - 110	
4-Nitroaniline	<1.15		3.89	1.798		mg/Kg	⊗	46	10 - 110	
Nitrobenzene	<1.15		3.89	1.849		mg/Kg	⊗	48	16 - 110	
2-Nitrophenol	<1.15		3.89	2.028		mg/Kg	⊗	52	10 - 117	
4-Nitrophenol	<1.15		7.78	3.067		mg/Kg	⊗	39	11 - 110	
N-Nitrosodimethylamine	<1.15		3.89	2.002		mg/Kg	⊗	51	10 - 112	
N-Nitrosodi-n-propylamine	<1.15		3.89	2.246		mg/Kg	⊗	58	23 - 110	
N-Nitrosodiphenylamine	<1.15		3.89	1.805		mg/Kg	⊗	46	15 - 120	
Pentachlorophenol	<1.15		7.78	2.882		mg/Kg	⊗	37	10 - 114	
Phenanthrene	<1.15		3.89	1.796		mg/Kg	⊗	46	20 - 110	
Phenol	<1.15		3.89	2.295		mg/Kg	⊗	59	15 - 110	
Pyrene	<1.15		3.89	1.906		mg/Kg	⊗	49	15 - 121	
Pyridine	<1.15	F1	7.78	<1.17	F1	mg/Kg	⊗	5	10 - 110	
1,2,4-Trichlorobenzene	<1.15		3.89	1.495		mg/Kg	⊗	38	20 - 110	
2,4,5-Trichlorophenol	<1.15		3.89	1.635		mg/Kg	⊗	42	18 - 110	
2,4,6-Trichlorophenol	<1.15		3.89	1.579		mg/Kg	⊗	41	16 - 110	

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	53		26 - 114
2-Fluorophenol (Surr)	65		23 - 111
Nitrobenzene-d5 (Surr)	53		19 - 117
Phenol-d5 (Surr)	69		25 - 112
Terphenyl-d14 (Surr)	47		31 - 124
2,4,6-Tribromophenol (Surr)	40		11 - 111

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 310-240005-2 MSD

Matrix: Solid

Analysis Batch: 365942

Client Sample ID: SS-2 (Samples 5-8)

Prep Type: Total/NA

Prep Batch: 365803

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		
Acenaphthene	<1.15		3.90	2.272		mg/Kg	⊗	58	13 - 114	31	40
Acenaphthylene	<1.15		3.90	2.261		mg/Kg	⊗	58	20 - 110	28	40
Anthracene	<1.15		3.90	2.428		mg/Kg	⊗	62	14 - 119	34	40
Benzo(a)anthracene	<1.15		3.90	2.591		mg/Kg	⊗	66	20 - 112	39	40
Benzo(a)pyrene	<1.15	F2	3.90	2.456	F2	mg/Kg	⊗	63	17 - 115	41	40
Benzo(b)fluoranthene	<1.15		3.90	2.529		mg/Kg	⊗	65	19 - 113	38	40
Benzo(g,h,i)perylene	<1.15	F2	3.90	2.336	F2	mg/Kg	⊗	60	10 - 121	44	40
Benzo(k)fluoranthene	<1.15	F2	3.90	2.482	F2	mg/Kg	⊗	64	21 - 110	46	40
Benzyl alcohol	<1.15		3.90	2.075		mg/Kg	⊗	53	10 - 110	7	40
Bis(2-chloroethoxy)methane	<1.15		3.90	2.178		mg/Kg	⊗	56	20 - 110	8	40
Bis(2-chloroethyl)ether	<1.15		3.90	2.122		mg/Kg	⊗	54	14 - 110	0	40
bis(2-chloroisopropyl) ether	<1.15		3.90	2.155		mg/Kg	⊗	55	18 - 110	12	40
Bis(2-ethylhexyl) phthalate	<1.15	F2	3.90	2.916	F2	mg/Kg	⊗	75	16 - 125	50	40
4-Bromophenyl phenyl ether	<1.15		3.90	2.260		mg/Kg	⊗	58	24 - 110	37	40
Butyl benzyl phthalate	<1.15		3.90	2.836		mg/Kg	⊗	73	23 - 119	35	40
Carbazole	<1.15		3.90	2.395		mg/Kg	⊗	61	20 - 110	27	40
4-Chloroaniline	<1.15		3.90	1.538		mg/Kg	⊗	39	17 - 110	9	40
4-Chloro-3-methylphenol	<1.15		3.90	2.294		mg/Kg	⊗	59	24 - 110	15	40
2-Chloronaphthalene	<1.15		3.90	2.187		mg/Kg	⊗	56	20 - 110	26	40
2-Chlorophenol	<1.15		3.90	2.229		mg/Kg	⊗	57	12 - 114	2	40
4-Chlorophenyl phenyl ether	<1.15		3.90	2.237		mg/Kg	⊗	57	23 - 110	37	40
Chrysene	<1.15		3.90	2.290		mg/Kg	⊗	59	20 - 111	30	40
Dibenz(a,h)anthracene	<1.15	F2	3.90	2.644	F2	mg/Kg	⊗	68	15 - 123	41	40
Dibenzofuran	<1.15		3.90	2.250		mg/Kg	⊗	58	19 - 110	27	40
1,2-Dichlorobenzene	<1.15		3.90	1.930		mg/Kg	⊗	50	20 - 110	18	40
1,3-Dichlorobenzene	<1.15		3.90	1.871		mg/Kg	⊗	48	14 - 110	27	40
1,4-Dichlorobenzene	<1.15		3.90	1.900		mg/Kg	⊗	49	19 - 110	24	40
2,4-Dichlorophenol	<1.15		3.90	2.164		mg/Kg	⊗	55	18 - 110	13	40
Diethyl phthalate	<1.15		3.90	2.630		mg/Kg	⊗	67	21 - 110	25	40
2,4-Dimethylphenol	<1.15		3.90	1.983		mg/Kg	⊗	51	13 - 110	11	40
Dimethyl phthalate	<1.15		3.90	2.400		mg/Kg	⊗	62	16 - 110	13	40
Di-n-butyl phthalate	<1.15		3.90	2.607		mg/Kg	⊗	67	25 - 111	37	40
4,6-Dinitro-2-methylphenol	<1.15	F2	7.80	4.115	F2	mg/Kg	⊗	53	10 - 110	79	40
2,4-Dinitrophenol	<2.30	F1	7.80	2.944		mg/Kg	⊗	38	10 - 110	NC	40
2,4-Dinitrotoluene	<1.15		3.90	2.417		mg/Kg	⊗	62	13 - 110	29	40
2,6-Dinitrotoluene	<1.15		3.90	2.491		mg/Kg	⊗	64	13 - 111	20	40
Di-n-octyl phthalate	<1.15	F2	3.90	2.942	F2	mg/Kg	⊗	75	11 - 137	47	40
Fluoranthene	<1.15		3.90	2.343		mg/Kg	⊗	60	14 - 112	34	40
Fluorene	<1.15		3.90	2.386		mg/Kg	⊗	61	15 - 111	33	40
Hexachlorobenzene	<1.15	F2	3.90	2.073	F2	mg/Kg	⊗	53	23 - 110	47	40
Hexachlorobutadiene	<1.15		3.90	1.714		mg/Kg	⊗	44	20 - 110	31	40
Hexachlorocyclopentadiene	<2.30	F2	3.90	<2.34	F2	mg/Kg	⊗	30	10 - 110	51	40
Hexachloroethane	<1.15		3.90	1.689		mg/Kg	⊗	43	10 - 111	27	40
Indeno(1,2,3-cd)pyrene	<1.15	F2	3.90	2.489	F2	mg/Kg	⊗	64	11 - 124	45	40
Isophorone	<1.15		3.90	2.190		mg/Kg	⊗	56	21 - 110	5	40
2-Methylnaphthalene	<1.15		3.90	2.222		mg/Kg	⊗	57	18 - 111	21	40
2-Methylphenol	<1.15		3.90	2.243		mg/Kg	⊗	58	20 - 110	2	40
4-Methylphenol (and/or 3-Methylphenol)	<1.15		3.90	2.348		mg/Kg	⊗	60	22 - 110	0	40

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)**Lab Sample ID: 310-240005-2 MSD****Matrix: Solid****Analysis Batch: 365942****Client Sample ID: SS-2 (Samples 5-8)****Prep Type: Total/NA****Prep Batch: 365803**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	
Naphthalene	<1.15		3.90	2.150		mg/Kg	⊗	55	17 - 110	16	40
2-Nitroaniline	<1.15		3.90	2.331		mg/Kg	⊗	60	19 - 110	18	40
3-Nitroaniline	<1.15		3.90	2.158		mg/Kg	⊗	55	18 - 110	13	40
4-Nitroaniline	<1.15		3.90	2.230		mg/Kg	⊗	57	10 - 110	21	40
Nitrobenzene	<1.15		3.90	2.036		mg/Kg	⊗	52	16 - 110	10	40
2-Nitrophenol	<1.15		3.90	2.174		mg/Kg	⊗	56	10 - 117	7	38
4-Nitrophenol	<1.15		7.80	4.184		mg/Kg	⊗	54	11 - 110	31	40
N-Nitrosodimethylamine	<1.15		3.90	1.716		mg/Kg	⊗	44	10 - 112	15	40
N-Nitrosodi-n-propylamine	<1.15		3.90	2.290		mg/Kg	⊗	59	23 - 110	2	40
N-Nitrosodiphenylamine	<1.15		3.90	2.427		mg/Kg	⊗	62	15 - 120	29	40
Pentachlorophenol	<1.15		7.80	3.962		mg/Kg	⊗	51	10 - 114	32	40
Phenanthrene	<1.15		3.90	2.443		mg/Kg	⊗	63	20 - 110	31	40
Phenol	<1.15		3.90	2.186		mg/Kg	⊗	56	15 - 110	5	40
Pyrene	<1.15		3.90	2.564		mg/Kg	⊗	66	15 - 121	29	40
Pyridine	<1.15	F1	7.80	<1.17	F1	mg/Kg	⊗	4	10 - 110	20	40
1,2,4-Trichlorobenzene	<1.15		3.90	1.841		mg/Kg	⊗	47	20 - 110	21	40
2,4,5-Trichlorophenol	<1.15		3.90	2.161		mg/Kg	⊗	55	18 - 110	28	40
2,4,6-Trichlorophenol	<1.15		3.90	2.130		mg/Kg	⊗	55	16 - 110	30	40

MSD MSD

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	67		26 - 114
2-Fluorophenol (Surr)	61		23 - 111
Nitrobenzene-d5 (Surr)	57		19 - 117
Phenol-d5 (Surr)	65		25 - 112
Terphenyl-d14 (Surr)	71		31 - 124
2,4,6-Tribromophenol (Surr)	54		11 - 111

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)**Lab Sample ID: MB 310-365813/1-A****Client Sample ID: Method Blank****Matrix: Solid****Prep Type: Total/NA****Analysis Batch: 366072****Prep Batch: 365813**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acenaphthene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Acenaphthylene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Anthracene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Benzo(a)anthracene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Benzo(a)pyrene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Benzo(b)fluoranthene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Benzo(g,h,i)perylene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Benzo(k)fluoranthene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Chrysene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Dibenz(a,h)anthracene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Fluoranthene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Fluorene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Indeno(1,2,3-cd)pyrene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
2-Methylnaphthalene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Naphthalene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)**Lab Sample ID: MB 310-365813/1-A****Matrix: Solid****Analysis Batch: 366072****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 365813**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier					Prepared	Analyzed	Dil Fac
Phenanthrene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Pyrene	<0.00968		0.00968		mg/Kg		09/16/22 13:48	09/20/22 13:15	1
Surrogate									
2-Fluorobiphenyl (Surr)	93		20 - 110				09/16/22 13:48	09/20/22 13:15	1
Nitrobenzene-d5 (Surr)	87		11 - 116				09/16/22 13:48	09/20/22 13:15	1
Terphenyl-d14 (Surr)	100		18 - 110				09/16/22 13:48	09/20/22 13:15	1

Lab Sample ID: LCS 310-365813/2-A**Matrix: Solid****Analysis Batch: 366072****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 365813**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	Limits		
	Added	Result	Qualifier			%Rec			
Acenaphthene	0.131	0.1026		mg/Kg		78	30 - 110		
Acenaphthylene	0.131	0.1016		mg/Kg		77	31 - 110		
Anthracene	0.131	0.1043		mg/Kg		79	32 - 110		
Benzo(a)anthracene	0.131	0.1103		mg/Kg		84	36 - 110		
Benzo(a)pyrene	0.131	0.1159		mg/Kg		88	36 - 110		
Benzo(b)fluoranthene	0.131	0.1056		mg/Kg		80	37 - 110		
Benzo(g,h,i)perylene	0.131	0.1022		mg/Kg		78	22 - 110		
Benzo(k)fluoranthene	0.131	0.1078		mg/Kg		82	35 - 110		
Chrysene	0.131	0.1052		mg/Kg		80	35 - 110		
Dibenz(a,h)anthracene	0.131	0.1069		mg/Kg		81	23 - 110		
Fluoranthene	0.131	0.1080		mg/Kg		82	30 - 110		
Fluorene	0.131	0.1025		mg/Kg		78	30 - 110		
Indeno(1,2,3-cd)pyrene	0.131	0.1043		mg/Kg		79	23 - 110		
2-Methylnaphthalene	0.131	0.1012		mg/Kg		77	30 - 110		
Naphthalene	0.131	0.09900		mg/Kg		75	31 - 110		
Phenanthrene	0.131	0.1036		mg/Kg		79	32 - 110		
Pyrene	0.131	0.1076		mg/Kg		82	28 - 110		
Surrogate									
2-Fluorobiphenyl (Surr)	80		20 - 110						
Nitrobenzene-d5 (Surr)	74		11 - 116						
Terphenyl-d14 (Surr)	87		18 - 110						

Lab Sample ID: 310-240005-3 MS**Matrix: Solid****Analysis Batch: 366072****Client Sample ID: SS-3 (Samples 9-12)****Prep Type: Total/NA****Prep Batch: 365813**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier			%Rec	
Acenaphthene	<0.0593		0.152	0.1090		mg/Kg	⊗	72	21 - 110
Acenaphthylene	<0.0593		0.152	0.1040		mg/Kg	⊗	68	22 - 110
Anthracene	<0.0593		0.152	0.1144		mg/Kg	⊗	75	20 - 110
Benzo(a)anthracene	0.0831		0.152	0.1288		mg/Kg	⊗	30	20 - 110
Benzo(a)pyrene	0.0793		0.152	0.1277		mg/Kg	⊗	32	16 - 115
Benzo(b)fluoranthene	0.106		0.152	0.1394		mg/Kg	⊗	22	18 - 115
Benzo(g,h,i)perylene	<0.0593		0.152	0.1204		mg/Kg	⊗	41	14 - 110

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)**Lab Sample ID: 310-240005-3 MS****Matrix: Solid****Analysis Batch: 366072****Client Sample ID: SS-3 (Samples 9-12)****Prep Type: Total/NA****Prep Batch: 365813**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Benzo(k)fluoranthene	<0.0593		0.152	0.1220		mg/Kg	⊗	55	24 - 110
Chrysene	0.0726		0.152	0.1284		mg/Kg	⊗	37	18 - 110
Dibenz(a,h)anthracene	<0.0593		0.152	0.1049		mg/Kg	⊗	58	21 - 110
Fluoranthene	0.109		0.152	0.1357		mg/Kg	⊗	18	10 - 110
Fluorene	<0.0593		0.152	0.1074		mg/Kg	⊗	71	16 - 110
Indeno(1,2,3-cd)pyrene	<0.0593		0.152	0.1122		mg/Kg	⊗	40	16 - 110
2-Methylnaphthalene	<0.0593		0.152	0.1062		mg/Kg	⊗	70	18 - 110
Naphthalene	<0.0593		0.152	0.09879		mg/Kg	⊗	65	18 - 110
Phenanthrene	<0.0593		0.152	0.1409		mg/Kg	⊗	60	13 - 110
Pyrene	0.111		0.152	0.1352		mg/Kg	⊗	16	15 - 110
Surrogate									
	MS	MS							
	%Recovery	Qualifier							
2-Fluorobiphenyl (Surr)	73			20 - 110					
Nitrobenzene-d5 (Surr)	64			11 - 116					
Terphenyl-d14 (Surr)	78			18 - 110					

Lab Sample ID: 310-240005-3 MSD**Matrix: Solid****Analysis Batch: 366072****Client Sample ID: SS-3 (Samples 9-12)****Prep Type: Total/NA****Prep Batch: 365813**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	<0.0593		0.158	0.1186		mg/Kg	⊗	75	21 - 110
Acenaphthylene	<0.0593		0.158	0.1176		mg/Kg	⊗	75	22 - 110
Anthracene	<0.0593		0.158	0.1232		mg/Kg	⊗	78	20 - 110
Benzo(a)anthracene	0.0831		0.158	0.1400		mg/Kg	⊗	36	20 - 110
Benzo(a)pyrene	0.0793		0.158	0.1357		mg/Kg	⊗	36	16 - 115
Benzo(b)fluoranthene	0.106		0.158	0.1420		mg/Kg	⊗	23	18 - 115
Benzo(g,h,i)perylene	<0.0593		0.158	0.1425		mg/Kg	⊗	54	14 - 110
Benzo(k)fluoranthene	<0.0593		0.158	0.1246		mg/Kg	⊗	55	24 - 110
Chrysene	0.0726		0.158	0.1363		mg/Kg	⊗	40	18 - 110
Dibenz(a,h)anthracene	<0.0593		0.158	0.1183		mg/Kg	⊗	64	21 - 110
Fluoranthene	0.109		0.158	0.1611		mg/Kg	⊗	33	10 - 110
Fluorene	<0.0593		0.158	0.1194		mg/Kg	⊗	76	16 - 110
Indeno(1,2,3-cd)pyrene	<0.0593		0.158	0.1319		mg/Kg	⊗	52	16 - 110
2-Methylnaphthalene	<0.0593		0.158	0.1263		mg/Kg	⊗	80	18 - 110
Naphthalene	<0.0593		0.158	0.1193		mg/Kg	⊗	76	18 - 110
Phenanthrene	<0.0593		0.158	0.1587		mg/Kg	⊗	69	13 - 110
Pyrene	0.111		0.158	0.1643		mg/Kg	⊗	34	15 - 110
Surrogate									
	MSD	MSD							
	%Recovery	Qualifier							
2-Fluorobiphenyl (Surr)	75			20 - 110					
Nitrobenzene-d5 (Surr)	71			11 - 116					
Terphenyl-d14 (Surr)	78			18 - 110					

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography**Lab Sample ID: MB 310-365809/1-A****Matrix: Solid****Analysis Batch: 365997****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 365809**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1
PCB-1221	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1
PCB-1232	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1
PCB-1242	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1
PCB-1248	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1
PCB-1254	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1
PCB-1260	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1
PCB-1268	<0.0480		0.0480		mg/Kg		09/16/22 13:37	09/19/22 17:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	81		10 - 110	09/16/22 13:37	09/19/22 17:27	1
Tetrachloro-m-xylene (Surr)	83		10 - 110	09/16/22 13:37	09/19/22 17:27	1

Lab Sample ID: LCS 310-365809/2-A**Matrix: Solid****Analysis Batch: 365997****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 365809**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limts
PCB-1016	0.318	0.1644		mg/Kg		52	30 - 110
PCB-1260	0.318	0.1604		mg/Kg		50	24 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	46		10 - 110
Tetrachloro-m-xylene (Surr)	52		10 - 110

Lab Sample ID: 310-240005-1 MS**Matrix: Solid****Analysis Batch: 365997****Client Sample ID: SS-1 (Samples 1-4)****Prep Type: Total/NA****Prep Batch: 365809**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limts
PCB-1016	<0.0631		0.414	0.2161		mg/Kg	⊗	52	10 - 124
PCB-1260	<0.0631		0.414	0.2182		mg/Kg	⊗	53	10 - 116

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	49		10 - 110
Tetrachloro-m-xylene (Surr)	50		10 - 110

Lab Sample ID: 310-240005-1 MSD**Matrix: Solid****Analysis Batch: 365997****Client Sample ID: SS-1 (Samples 1-4)****Prep Type: Total/NA****Prep Batch: 365809**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	RPD	Limit
PCB-1016	<0.0631		0.409	0.1673		mg/Kg	⊗	41	25	40
PCB-1260	<0.0631		0.409	0.1489		mg/Kg	⊗	36	38	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	42		10 - 110

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 310-240005-1 MSD

Client Sample ID: SS-1 (Samples 1-4)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365997

Prep Batch: 365809

Surrogate	MSD	MSD
	%Recovery	Qualifier
Tetrachloro-m-xylene (Surr)	36	Limits 10 - 110

Method: OA-2 - Iowa - Extractable Petroleum Hydrocarbons (GC)

Lab Sample ID: MB 310-365802/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365859

Prep Batch: 365802

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
Diesel	<9.98		9.98		mg/Kg		09/16/22 13:30	09/20/22 01:22	1
Gasoline	<9.98		9.98		mg/Kg		09/16/22 13:30	09/20/22 01:22	1
Waste Oil	<9.98		9.98		mg/Kg		09/16/22 13:30	09/20/22 01:22	1
Total Extractable Hydrocarbons	<15.0		15.0		mg/Kg		09/16/22 13:30	09/20/22 01:22	1

Surrogate	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
n-Octacosane	82		12 - 126				09/16/22 13:30	09/20/22 01:22	1

Lab Sample ID: LCS 310-365802/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365859

Prep Batch: 365802

Analyte	Spike	LCS	LCS	%Rec
	Added	Result	Qualifier	Limits
Diesel	132	118.8		mg/Kg
n-Octacosane	91			34 - 120

Lab Sample ID: 310-240005-4 MS

Client Sample ID: SS-4 (Samples 13-16)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365859

Prep Batch: 365802

Analyte	Sample	Sample	Spike	MS	MS	%Rec
	Result	Qualifier	Added	Result	Qualifier	Limits
Diesel	<9.73		128	141.2		mg/Kg
n-Octacosane	89		12 - 126			12 - 147

Lab Sample ID: 310-240005-4 MSD

Client Sample ID: SS-4 (Samples 13-16)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 365859

Prep Batch: 365802

Analyte	Sample	Sample	Spike	MSD	MSD	%Rec
	Result	Qualifier	Added	Result	Qualifier	RPD
Diesel	<9.73		132	149.4		mg/Kg
n-Octacosane	109		12 - 126			6 40

Eurofins Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Method: 6020A - Metals (ICP/MS)**Lab Sample ID: MB 310-365513/1-A ^5****Matrix: Solid****Analysis Batch: 366001****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 365513**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.937		0.937		mg/Kg		09/15/22 09:23	09/19/22 14:50	5
Barium	<0.937		0.937		mg/Kg		09/15/22 09:23	09/19/22 14:50	5
Cadmium	<0.469		0.469		mg/Kg		09/15/22 09:23	09/19/22 14:50	5
Chromium	<1.41		1.41		mg/Kg		09/15/22 09:23	09/19/22 14:50	5
Lead	<2.34		2.34		mg/Kg		09/15/22 09:23	09/19/22 14:50	5
Selenium	<1.41		1.41		mg/Kg		09/15/22 09:23	09/19/22 14:50	5
Silver	<0.234		0.234		mg/Kg		09/15/22 09:23	09/19/22 14:50	5

Lab Sample ID: LCS 310-365513/2-A ^20**Matrix: Solid****Analysis Batch: 366001****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 365513**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	188	214.5		mg/Kg		114	80 - 120
Barium	93.9	109.8		mg/Kg		117	80 - 120
Cadmium	93.9	109.3		mg/Kg		116	80 - 120
Chromium	93.9	111.5		mg/Kg		119	80 - 120
Lead	188	221.6		mg/Kg		118	80 - 120
Selenium	376	422.3		mg/Kg		112	80 - 120
Silver	93.9	110.8		mg/Kg		118	80 - 120

Lab Sample ID: 310-240005-1 DU**Matrix: Solid****Analysis Batch: 366306****Client Sample ID: SS-1 (Samples 1-4)****Prep Type: Total/NA****Prep Batch: 365513**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	17.4		11.16	F3	mg/Kg	⊗	44	20
Barium	330		361.9		mg/Kg	⊗	9	20
Cadmium	1.04		0.9685		mg/Kg	⊗	8	20
Chromium	22.9		20.56		mg/Kg	⊗	11	20
Lead	52.5		47.60		mg/Kg	⊗	10	20
Selenium	2.19		1.996		mg/Kg	⊗	9	20
Silver	<0.235		<0.234		mg/Kg	⊗	NC	20

Method: 7471B - Mercury (CVAA)**Lab Sample ID: MB 310-365521/1-A****Matrix: Solid****Analysis Batch: 365848****Client Sample ID: Method Blank****Prep Type: Total/NA****Prep Batch: 365521**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0170		0.0170		mg/Kg		09/14/22 13:25	09/17/22 11:10	1

Lab Sample ID: LCS 310-365521/2-A**Matrix: Solid****Analysis Batch: 365848****Client Sample ID: Lab Control Sample****Prep Type: Total/NA****Prep Batch: 365521**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.133	0.1332		mg/Kg		100	80 - 120

Eurofins Cedar Falls

QC Association Summary

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

GC/MS VOA**Prep Batch: 365585**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	5035	
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	5035	
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	5035	
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	5035	
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	5035	
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	5035	
MB 310-365585/1-A	Method Blank	Total/NA	Solid	5035	
LCS 310-365585/2-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 365585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	8260D	365585
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	8260D	365585
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	8260D	365585
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	8260D	365585
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	8260D	365585
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	8260D	365585
MB 310-365585/1-A	Method Blank	Total/NA	Solid	8260D	365585
LCS 310-365585/2-A	Lab Control Sample	Total/NA	Solid	8260D	365585

GC/MS Semi VOA**Prep Batch: 365803**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	3546	
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	3546	
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	3546	
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	3546	
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	3546	
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	3546	
MB 310-365803/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-365803/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-240005-2 MS	SS-2 (Samples 5-8)	Total/NA	Solid	3546	
310-240005-2 MSD	SS-2 (Samples 5-8)	Total/NA	Solid	3546	

Prep Batch: 365813

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	3546	
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	3546	
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	3546	
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	3546	
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	3546	
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	3546	
MB 310-365813/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-365813/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-240005-3 MS	SS-3 (Samples 9-12)	Total/NA	Solid	3546	
310-240005-3 MSD	SS-3 (Samples 9-12)	Total/NA	Solid	3546	

Analysis Batch: 365942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	8270E	365803

Eurofins Cedar Falls

QC Association Summary

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

GC/MS Semi VOA (Continued)**Analysis Batch: 365942 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	8270E	365803
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	8270E	365803
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	8270E	365803
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	8270E	365803
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	8270E	365803
MB 310-365803/1-A	Method Blank	Total/NA	Solid	8270E	365803
LCS 310-365803/2-A	Lab Control Sample	Total/NA	Solid	8270E	365803
310-240005-2 MS	SS-2 (Samples 5-8)	Total/NA	Solid	8270E	365803
310-240005-2 MSD	SS-2 (Samples 5-8)	Total/NA	Solid	8270E	365803

Analysis Batch: 366072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	8270E SIM	365813
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	8270E SIM	365813
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	8270E SIM	365813
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	8270E SIM	365813
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	8270E SIM	365813
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	8270E SIM	365813
MB 310-365813/1-A	Method Blank	Total/NA	Solid	8270E SIM	365813
LCS 310-365813/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM	365813
310-240005-3 MS	SS-3 (Samples 9-12)	Total/NA	Solid	8270E SIM	365813
310-240005-3 MSD	SS-3 (Samples 9-12)	Total/NA	Solid	8270E SIM	365813

GC Semi VOA**Prep Batch: 365802**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	3546	
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	3546	
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	3546	
MB 310-365802/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-365802/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-240005-4 MS	SS-4 (Samples 13-16)	Total/NA	Solid	3546	
310-240005-4 MSD	SS-4 (Samples 13-16)	Total/NA	Solid	3546	

Prep Batch: 365809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	3546	
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	3546	
MB 310-365809/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-365809/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-240005-1 MS	SS-1 (Samples 1-4)	Total/NA	Solid	3546	
310-240005-1 MSD	SS-1 (Samples 1-4)	Total/NA	Solid	3546	

Analysis Batch: 365859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	OA-2	365802
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	OA-2	365802
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	OA-2	365802
MB 310-365802/1-A	Method Blank	Total/NA	Solid	OA-2	365802
LCS 310-365802/2-A	Lab Control Sample	Total/NA	Solid	OA-2	365802

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

GC Semi VOA (Continued)**Analysis Batch: 365859 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-4 MS	SS-4 (Samples 13-16)	Total/NA	Solid	OA-2	365802
310-240005-4 MSD	SS-4 (Samples 13-16)	Total/NA	Solid	OA-2	365802

Analysis Batch: 365997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	8082A	365809
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	8082A	365809
MB 310-365809/1-A	Method Blank	Total/NA	Solid	8082A	365809
LCS 310-365809/2-A	Lab Control Sample	Total/NA	Solid	8082A	365809
310-240005-1 MS	SS-1 (Samples 1-4)	Total/NA	Solid	8082A	365809
310-240005-1 MSD	SS-1 (Samples 1-4)	Total/NA	Solid	8082A	365809

Metals**Prep Batch: 365513**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	3050B	3050B
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	3050B	3050B
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	3050B	3050B
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	3050B	3050B
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	3050B	3050B
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	3050B	3050B
MB 310-365513/1-A ^5	Method Blank	Total/NA	Solid	3050B	3050B
LCS 310-365513/2-A ^20	Lab Control Sample	Total/NA	Solid	3050B	3050B
310-240005-1 DU	SS-1 (Samples 1-4)	Total/NA	Solid	3050B	3050B

Prep Batch: 365521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	7471B	7471B
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	7471B	7471B
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	7471B	7471B
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	7471B	7471B
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	7471B	7471B
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	7471B	7471B
MB 310-365521/1-A	Method Blank	Total/NA	Solid	7471B	7471B
LCS 310-365521/2-A	Lab Control Sample	Total/NA	Solid	7471B	7471B

Analysis Batch: 365848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	7471B	365521
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	7471B	365521
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	7471B	365521
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	7471B	365521
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	7471B	365521
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	7471B	365521
MB 310-365521/1-A	Method Blank	Total/NA	Solid	7471B	365521
LCS 310-365521/2-A	Lab Control Sample	Total/NA	Solid	7471B	365521

Analysis Batch: 366001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-365513/1-A ^5	Method Blank	Total/NA	Solid	6020A	365513

Eurofins Cedar Falls

QC Association Summary

Client: Impact7G, Inc
 Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Metals (Continued)**Analysis Batch: 366001 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-365513/2-A ^20	Lab Control Sample	Total/NA	Solid	6020A	365513

Analysis Batch: 366306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-1	SS-1 (Samples 1-4)	Total/NA	Solid	6020A	365513
310-240005-2	SS-2 (Samples 5-8)	Total/NA	Solid	6020A	365513
310-240005-3	SS-3 (Samples 9-12)	Total/NA	Solid	6020A	365513
310-240005-4	SS-4 (Samples 13-16)	Total/NA	Solid	6020A	365513
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	6020A	365513
310-240005-6	SS-6 (Samples 21-24)	Total/NA	Solid	6020A	365513
310-240005-1 DU	SS-1 (Samples 1-4)	Total/NA	Solid	6020A	365513

Analysis Batch: 366387

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-240005-5	SS-5 (Samples 17-20)	Total/NA	Solid	6020A	365513

Lab Chronicle

Client: Impact7G, Inc

Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-1 (Samples 1-4)

Date Collected: 09/12/22 10:31

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-1

Matrix: Solid

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			365585	MZR8	EET CF	09/15/22 08:57
Total/NA	Analysis	8260D		1	365588	MZR8	EET CF	09/15/22 14:16
Total/NA	Prep	3546			365803	GW4G	EET CF	09/16/22 13:32
Total/NA	Analysis	8270E		5	365942	L0FS	EET CF	09/19/22 17:50
Total/NA	Prep	3546			365813	GW4G	EET CF	09/16/22 13:48
Total/NA	Analysis	8270E SIM		5	366072	L0FS	EET CF	09/20/22 14:52
Total/NA	Prep	3546			365809	GW4G	EET CF	09/16/22 13:37
Total/NA	Analysis	8082A		1	365997	BW2O	EET CF	09/19/22 18:17
Total/NA	Prep	3050B			365513	QTZ5	EET CF	09/15/22 09:23
Total/NA	Analysis	6020A		5	366306	A6US	EET CF	09/22/22 00:05
Total/NA	Prep	7471B			365521	XXW3	EET CF	09/14/22 12:26
Total/NA	Analysis	7471B		1	365848	XXW3	EET CF	09/17/22 12:01

Client Sample ID: SS-2 (Samples 5-8)

Date Collected: 09/12/22 11:35

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-2

Matrix: Solid

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			365585	MZR8	EET CF	09/15/22 08:57
Total/NA	Analysis	8260D		1	365588	MZR8	EET CF	09/15/22 14:41
Total/NA	Prep	3546			365803	GW4G	EET CF	09/16/22 13:32
Total/NA	Analysis	8270E		5	365942	L0FS	EET CF	09/19/22 17:25
Total/NA	Prep	3546			365813	GW4G	EET CF	09/16/22 13:48
Total/NA	Analysis	8270E SIM		5	366072	L0FS	EET CF	09/20/22 15:12
Total/NA	Prep	3546			365809	GW4G	EET CF	09/16/22 13:37
Total/NA	Analysis	8082A		1	365997	BW2O	EET CF	09/19/22 19:19
Total/NA	Prep	3050B			365513	QTZ5	EET CF	09/15/22 09:23
Total/NA	Analysis	6020A		5	366306	A6US	EET CF	09/22/22 00:11
Total/NA	Prep	7471B			365521	XXW3	EET CF	09/14/22 12:26
Total/NA	Analysis	7471B		1	365848	XXW3	EET CF	09/17/22 12:06

Client Sample ID: SS-3 (Samples 9-12)

Date Collected: 09/12/22 12:12

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-3

Matrix: Solid

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			365585	MZR8	EET CF	09/15/22 08:57
Total/NA	Analysis	8260D		1	365588	MZR8	EET CF	09/15/22 15:05
Total/NA	Prep	3546			365803	GW4G	EET CF	09/16/22 13:32
Total/NA	Analysis	8270E		5	365942	L0FS	EET CF	09/19/22 18:15
Total/NA	Prep	3546			365813	GW4G	EET CF	09/16/22 13:48
Total/NA	Analysis	8270E SIM		5	366072	L0FS	EET CF	09/20/22 14:33
Total/NA	Prep	3050B			365513	QTZ5	EET CF	09/15/22 09:23
Total/NA	Analysis	6020A		5	366306	A6US	EET CF	09/22/22 00:36

Eurofins Cedar Falls

Lab Chronicle

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-3 (Samples 9-12)**Lab Sample ID: 310-240005-3**

Matrix: Solid

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	7471B			365521	XXW3	EET CF	09/14/22 12:26
Total/NA	Analysis	7471B		1	365848	XXW3	EET CF	09/17/22 12:08

Client Sample ID: SS-4 (Samples 13-16)**Lab Sample ID: 310-240005-4**

Matrix: Solid

Date Collected: 09/12/22 14:48

Date Received: 09/13/22 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			365802	GW4G	EET CF	09/16/22 13:30
Total/NA	Analysis	OA-2		1	365859	D2YP	EET CF	09/20/22 02:20

Client Sample ID: SS-4 (Samples 13-16)**Lab Sample ID: 310-240005-4**

Matrix: Solid

Date Collected: 09/12/22 14:48

Date Received: 09/13/22 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			365585	MZR8	EET CF	09/15/22 08:57
Total/NA	Analysis	8260D		1	365588	MZR8	EET CF	09/15/22 15:30
Total/NA	Prep	3546			365803	GW4G	EET CF	09/16/22 13:32
Total/NA	Analysis	8270E		5	365942	L0FS	EET CF	09/19/22 18:40
Total/NA	Prep	3546			365813	GW4G	EET CF	09/16/22 13:48
Total/NA	Analysis	8270E SIM		5	366072	L0FS	EET CF	09/20/22 15:32
Total/NA	Prep	3050B			365513	QTZ5	EET CF	09/15/22 09:23
Total/NA	Analysis	6020A		5	366306	A6US	EET CF	09/22/22 00:40
Total/NA	Prep	7471B			365521	XXW3	EET CF	09/14/22 12:26
Total/NA	Analysis	7471B		1	365848	XXW3	EET CF	09/17/22 12:10

Client Sample ID: SS-5 (Samples 17-20)**Lab Sample ID: 310-240005-5**

Matrix: Solid

Date Collected: 09/12/22 13:46

Date Received: 09/13/22 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			365802	GW4G	EET CF	09/16/22 13:30
Total/NA	Analysis	OA-2		1	365859	D2YP	EET CF	09/20/22 02:34

Client Sample ID: SS-5 (Samples 17-20)**Lab Sample ID: 310-240005-5**

Matrix: Solid

Date Collected: 09/12/22 13:46

Date Received: 09/13/22 16:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			365585	MZR8	EET CF	09/15/22 08:57
Total/NA	Analysis	8260D		1	365588	MZR8	EET CF	09/15/22 15:55
Total/NA	Prep	3546			365803	GW4G	EET CF	09/16/22 13:32
Total/NA	Analysis	8270E		5	365942	L0FS	EET CF	09/19/22 19:05
Total/NA	Prep	3546			365813	GW4G	EET CF	09/16/22 13:48
Total/NA	Analysis	8270E SIM		5	366072	L0FS	EET CF	09/20/22 15:51

Eurofins Cedar Falls

Lab Chronicle

Client: Impact7G, Inc
Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Client Sample ID: SS-5 (Samples 17-20)

Date Collected: 09/12/22 13:46

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-5

Matrix: Solid

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			365513	QTZ5	EET CF	09/15/22 09:23
Total/NA	Analysis	6020A		5	366306	A6US	EET CF	09/22/22 00:43
Total/NA	Prep	3050B			365513	QTZ5	EET CF	09/15/22 09:23
Total/NA	Analysis	6020A		20	366387	A6US	EET CF	09/22/22 12:38
Total/NA	Prep	7471B			365521	XXW3	EET CF	09/14/22 12:26
Total/NA	Analysis	7471B		10	365848	XXW3	EET CF	09/17/22 12:16

Client Sample ID: SS-6 (Samples 21-24)

Date Collected: 09/12/22 12:58

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			365802	GW4G	EET CF	09/16/22 13:30
Total/NA	Analysis	OA-2		1	365859	D2YP	EET CF	09/20/22 02:49

Client Sample ID: SS-6 (Samples 21-24)

Date Collected: 09/12/22 12:58

Date Received: 09/13/22 16:55

Lab Sample ID: 310-240005-6

Matrix: Solid

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			365585	MZR8	EET CF	09/15/22 08:57
Total/NA	Analysis	8260D		1	365588	MZR8	EET CF	09/15/22 16:19
Total/NA	Prep	3546			365803	GW4G	EET CF	09/16/22 13:32
Total/NA	Analysis	8270E		5	365942	L0FS	EET CF	09/19/22 19:30
Total/NA	Prep	3546			365813	GW4G	EET CF	09/16/22 13:48
Total/NA	Analysis	8270E SIM		5	366072	L0FS	EET CF	09/20/22 16:11
Total/NA	Prep	3050B			365513	QTZ5	EET CF	09/15/22 09:23
Total/NA	Analysis	6020A		5	366306	A6US	EET CF	09/22/22 00:46
Total/NA	Prep	7471B			365521	XXW3	EET CF	09/14/22 12:26
Total/NA	Analysis	7471B		1	365848	XXW3	EET CF	09/17/22 12:18

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401

Eurofins Cedar Falls

Accreditation/Certification Summary

Client: Impact7G, Inc

Job ID: 310-240005-1

Project/Site: CDA-Parcel (1679800100)

Laboratory: Eurofins Cedar Falls

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Iowa	State	007	12-02-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8082A	3546	Solid	PCB-1268
8260D	5035	Solid	1,1-Dichloropropene
8260D	5035	Solid	1,2,3-Trichlorobenzene
8260D	5035	Solid	1,2,4-Trichlorobenzene
8260D	5035	Solid	1,2,4-Trimethylbenzene
8260D	5035	Solid	1,3,5-Trimethylbenzene
8260D	5035	Solid	1,3-Dichloropropane
8260D	5035	Solid	2-Chlorotoluene
8260D	5035	Solid	4-Chlorotoluene
8260D	5035	Solid	Bromobenzene
8260D	5035	Solid	Dichlorodifluoromethane
8260D	5035	Solid	Hexachlorobutadiene
8260D	5035	Solid	Hexane
8260D	5035	Solid	Isopropylbenzene
8260D	5035	Solid	Naphthalene
8260D	5035	Solid	n-Butylbenzene
8260D	5035	Solid	n-Propylbenzene
8260D	5035	Solid	p-Isopropyltoluene
8260D	5035	Solid	sec-Butylbenzene
8260D	5035	Solid	tert-Butylbenzene
8270E	3546	Solid	Benzidine
8270E	3546	Solid	N-Nitrosodiphenylamine
8270E	3546	Solid	Total Cresols

Method Summary

Client: Impact7G, Inc
 Project/Site: CDA-Parcel (1679800100)

Job ID: 310-240005-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET CF
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET CF
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET CF
OA-2	Iowa - Extractable Petroleum Hydrocarbons (GC)	Iowa DNR	EET CF
6020A	Metals (ICP/MS)	SW846	EET CF
7471B	Mercury (CVAA)	SW846	EET CF
3050B	Preparation, Metals	SW846	EET CF
3546	Microwave Extraction	SW846	EET CF
5035	Purge and Trap for Solids	SW846	EET CF
7471B	Preparation, Mercury	SW846	EET CF

Protocol References:

Iowa DNR = Iowa Department of Natural Resources

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET CF = Eurofins Cedar Falls, 3019 Venture Way, Cedar Falls, IA 50613, TEL (319)277-2401



Environment Testing
America



310-240005 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: Impact 76			
City/State:	CITY Johnston	STATE IA	Project:
Receipt Information			
Date/Time Received:	DATE 9-13 22	TIME 1655	Received By: <i>PW</i>
Delivery Type:	<input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input checked="" type="checkbox"/> Lab Courier <input type="checkbox"/> Lab Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other _____		
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If yes: Cooler ID: _____
Multiple Coolers?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Cooler # _____ of _____
Cooler Custody Seals Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Cooler custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Sample Custody Seals Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Sample custody seals intact? <input type="checkbox"/> Yes <input type="checkbox"/> No
Trip Blank Present?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	If yes: Which VOA samples are in cooler? ↓
Temperature Record			
Coolant:	<input checked="" type="checkbox"/> Wet ice	<input type="checkbox"/> Blue ice	<input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE
Thermometer ID:	<i>P</i>		Correction Factor (°C): <i>0</i>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C):	<i>0.3</i>		Corrected Temp (°C): <i>0.3</i>
Sample Container Temperature			
Container(s) used:	<u>CONTAINER 1</u>		<u>CONTAINER 2</u>
Uncorrected Temp (°C):			
Corrected Temp (°C):			
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles, frozen solid?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			
<i>* Sample IDs on containers did not match what was on COC. Grouped together by time collected</i>			

Chain of Custody Record 459205



Environment Testing
TestAmerica

Address _____

Regulatory Program: DW NPDES RCRA Other

TAL-8210

Client Contact		Project Manager: Megan Down		Site Contact:		Date:		COC No _____ of _____ COCs	
Company Name Impact 76 Address 8951 Windsor Parkway City/State/Zip Johnston, Iowa 50131 Phone 515-473-62510 Fax _____ Project Name CDA - Parcel 1 (1679800100) Site: CDA - Parcel 1 (1679800100) PO # _____		Tel/Email mdown@impact76.com Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below <input checked="" type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Lab Contact:		Carrier:		Sampler _____	
								For Lab Use Only: Walk-in Client: <input type="checkbox"/> Lab Sampling <input type="checkbox"/>	
								Job / SDG No _____	
								Sample Specific Notes	
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TEH-5 PCB 8 Methyl S SUOL-S PCB 3-S PCB 4-S PCB 5-S PCB 6-S PCB 7-S PCB 8-S PCB 9-S PCB 10-S PCB 11-S PCB 12-S PCB 13-S PCB 14-S PCB 15-S PCB 16-S PCB 17-S PCB 18-S PCB 19-S PCB 20-S PCB 21-S PCB 22-S PCB 23-S PCB 24-S PCB 25-S PCB 26-S PCB 27-S PCB 28-S PCB 29-S PCB 30-S PCB 31-S PCB 32-S PCB 33-S PCB 34-S PCB 35-S PCB 36-S PCB 37-S PCB 38-S PCB 39-S PCB 40-S PCB 41-S PCB 42-S PCB 43-S PCB 44-S PCB 45-S PCB 46-S PCB 47-S PCB 48-S PCB 49-S PCB 50-S PCB 51-S PCB 52-S PCB 53-S PCB 54-S PCB 55-S PCB 56-S PCB 57-S PCB 58-S PCB 59-S PCB 60-S PCB 61-S PCB 62-S PCB 63-S PCB 64-S PCB 65-S PCB 66-S PCB 67-S PCB 68-S PCB 69-S PCB 70-S PCB 71-S PCB 72-S PCB 73-S PCB 74-S PCB 75-S PCB 76-S PCB 77-S PCB 78-S PCB 79-S PCB 80-S PCB 81-S PCB 82-S PCB 83-S PCB 84-S PCB 85-S PCB 86-S PCB 87-S PCB 88-S PCB 89-S PCB 90-S PCB 91-S PCB 92-S PCB 93-S PCB 94-S PCB 95-S PCB 96-S PCB 97-S PCB 98-S PCB 99-S PCB 100-S PCB 101-S PCB 102-S PCB 103-S PCB 104-S PCB 105-S PCB 106-S PCB 107-S PCB 108-S PCB 109-S PCB 110-S PCB 111-S PCB 112-S PCB 113-S PCB 114-S PCB 115-S PCB 116-S PCB 117-S PCB 118-S PCB 119-S PCB 120-S PCB 121-S PCB 122-S PCB 123-S PCB 124-S PCB 125-S PCB 126-S PCB 127-S PCB 128-S PCB 129-S PCB 130-S PCB 131-S PCB 132-S PCB 133-S PCB 134-S PCB 135-S PCB 136-S PCB 137-S PCB 138-S PCB 139-S PCB 140-S PCB 141-S PCB 142-S PCB 143-S PCB 144-S PCB 145-S PCB 146-S PCB 147-S PCB 148-S PCB 149-S PCB 150-S PCB 151-S PCB 152-S PCB 153-S PCB 154-S PCB 155-S PCB 156-S PCB 157-S PCB 158-S PCB 159-S PCB 160-S PCB 161-S PCB 162-S PCB 163-S PCB 164-S PCB 165-S PCB 166-S PCB 167-S PCB 168-S PCB 169-S PCB 170-S PCB 171-S PCB 172-S PCB 173-S PCB 174-S PCB 175-S PCB 176-S PCB 177-S PCB 178-S PCB 179-S PCB 180-S PCB 181-S PCB 182-S PCB 183-S PCB 184-S PCB 185-S PCB 186-S PCB 187-S PCB 188-S PCB 189-S PCB 190-S PCB 191-S PCB 192-S PCB 193-S PCB 194-S PCB 195-S PCB 196-S PCB 197-S PCB 198-S PCB 199-S PCB 200-S PCB 201-S PCB 202-S PCB 203-S PCB 204-S PCB 205-S PCB 206-S PCB 207-S PCB 208-S PCB 209-S PCB 210-S PCB 211-S PCB 212-S PCB 213-S PCB 214-S PCB 215-S PCB 216-S PCB 217-S PCB 218-S PCB 219-S PCB 220-S PCB 221-S PCB 222-S PCB 223-S PCB 224-S PCB 225-S PCB 226-S PCB 227-S PCB 228-S PCB 229-S PCB 230-S PCB 231-S PCB 232-S PCB 233-S PCB 234-S PCB 235-S PCB 236-S PCB 237-S PCB 238-S PCB 239-S PCB 240-S PCB 241-S PCB 242-S PCB 243-S PCB 244-S PCB 245-S PCB 246-S PCB 247-S PCB 248-S PCB 249-S PCB 250-S PCB 251-S PCB 252-S PCB 253-S PCB 254-S PCB 255-S PCB 256-S PCB 257-S PCB 258-S PCB 259-S PCB 260-S PCB 261-S PCB 262-S PCB 263-S PCB 264-S PCB 265-S PCB 266-S PCB 267-S PCB 268-S PCB 269-S PCB 270-S PCB 271-S PCB 272-S PCB 273-S PCB 274-S PCB 275-S PCB 276-S PCB 277-S PCB 278-S PCB 279-S PCB 280-S PCB 281-S PCB 282-S PCB 283-S PCB 284-S PCB 285-S PCB 286-S PCB 287-S PCB 288-S PCB 289-S PCB 290-S PCB 291-S PCB 292-S PCB 293-S PCB 294-S PCB 295-S PCB 296-S PCB 297-S PCB 298-S PCB 299-S PCB 300-S PCB 301-S PCB 302-S PCB 303-S PCB 304-S PCB 305-S PCB 306-S PCB 307-S PCB 308-S PCB 309-S PCB 310-S PCB 311-S PCB 312-S PCB 313-S PCB 314-S PCB 315-S PCB 316-S PCB 317-S PCB 318-S PCB 319-S PCB 320-S PCB 321-S PCB 322-S PCB 323-S PCB 324-S PCB 325-S PCB 326-S PCB 327-S PCB 328-S PCB 329-S PCB 330-S PCB 331-S PCB 332-S PCB 333-S PCB 334-S PCB 335-S PCB 336-S PCB 337-S PCB 338-S PCB 339-S PCB 340-S PCB 341-S PCB 342-S PCB 343-S PCB 344-S PCB 345-S PCB 346-S PCB 347-S PCB 348-S PCB 349-S PCB 350-S PCB 351-S PCB 352-S PCB 353-S PCB 354-S PCB 355-S PCB 356-S PCB 357-S PCB 358-S PCB 359-S PCB 360-S PCB 361-S PCB 362-S PCB 363-S PCB 364-S PCB 365-S PCB 366-S PCB 367-S PCB 368-S PCB 369-S PCB 370-S PCB 371-S PCB 372-S PCB 373-S PCB 374-S PCB 375-S PCB 376-S PCB 377-S PCB 378-S PCB 379-S PCB 380-S PCB 381-S PCB 382-S PCB 383-S PCB 384-S PCB 385-S PCB 386-S PCB 387-S PCB 388-S PCB 389-S PCB 390-S PCB 391-S PCB 392-S PCB 393-S PCB 394-S PCB 395-S PCB 396-S PCB 397-S PCB 398-S PCB 399-S PCB 400-S PCB 401-S PCB 402-S PCB 403-S PCB 404-S PCB 405-S PCB 406-S PCB 407-S PCB 408-S PCB 409-S PCB 410-S PCB 411-S PCB 412-S PCB 413-S PCB 414-S PCB 415-S PCB 416-S PCB 417-S PCB 418-S PCB 419-S PCB 420-S PCB 421-S PCB 422-S PCB 423-S PCB 424-S PCB 425-S PCB 426-S PCB 427-S PCB 428-S PCB 429-S PCB 430-S PCB 431-S PCB 432-S PCB 433-S PCB 434-S PCB 435-S PCB 436-S PCB 437-S PCB 438-S PCB 439-S PCB 440-S PCB 441-S PCB 442-S PCB 443-S PCB 444-S PCB 445-S PCB 446-S PCB 447-S PCB 448-S PCB 449-S PCB 450-S PCB 451-S PCB 452-S PCB 453-S PCB 454-S PCB 455-S PCB 456-S PCB 457-S PCB 458-S PCB 459-S PCB 460-S PCB 461-S PCB 462-S PCB 463-S PCB 464-S PCB 465-S PCB 466-S PCB 467-S PCB 468-S PCB 469-S PCB 470-S PCB 471-S PCB 472-S PCB 473-S PCB 474-S PCB 475-S PCB 476-S PCB 477-S PCB 478-S PCB 479-S PCB 480-S PCB 481-S PCB 482-S PCB 483-S PCB 484-S PCB 485-S PCB 486-S PCB 487-S PCB 488-S PCB 489-S PCB 490-S PCB 491-S PCB 492-S PCB 493-S PCB 494-S PCB 495-S PCB 496-S PCB 497-S PCB 498-S PCB 499-S PCB 500-S PCB 501-S PCB 502-S PCB 503-S PCB 504-S PCB 505-S PCB 506-S PCB 507-S PCB 508-S PCB 509-S PCB 510-S PCB 511-S PCB 512-S PCB 513-S PCB 514-S PCB 515-S PCB 516-S PCB 517-S PCB 518-S PCB 519-S PCB 520-S PCB 521-S PCB 522-S PCB 523-S PCB 524-S PCB 525-S PCB 526-S PCB 527-S PCB 528-S PCB 529-S PCB 530-S PCB 531-S PCB 532-S PCB 533-S PCB 534-S PCB 535-S PCB 536-S PCB 537-S PCB 538-S PCB 539-S PCB 540-S PCB 541-S PCB 542-S PCB 543-S PCB 544-S PCB 545-S PCB 546-S PCB 547-S PCB 548-S PCB 549-S PCB 550-S PCB 551-S PCB 552-S PCB 553-S PCB 554-S PCB 555-S PCB 556-S PCB 557-S PCB 558-S PCB 559-S PCB 560-S PCB 561-S PCB 562-S PCB 563-S PCB 564-S PCB 565-S PCB 566-S PCB 567-S PCB 568-S PCB 569-S PCB 570-S PCB 571-S PCB 572-S PCB 573-S PCB 574-S PCB 575-S PCB 576-S PCB 577-S PCB 578-S PCB 579-S PCB 580-S PCB 581-S PCB 582-S PCB 583-S PCB 584-S PCB 585-S PCB 586-S PCB 587-S PCB 588-S PCB 589-S PCB 590-S PCB 591-S PCB 592-S PCB 593-S PCB 594-S PCB 595-S PCB 596-S PCB 597-S PCB 598-S PCB 599-S PCB 600-S PCB 601-S PCB 602-S PCB 603-S PCB 604-S PCB 605-S PCB 606-S PCB 607-S PCB 608-S PCB 609-S PCB 610-S PCB 611-S PCB 612-S PCB 613-S PCB 614-S PCB 615-S PCB 616-S PCB 617-S PCB 618-S PCB 619-S PCB 620-S PCB 621-S PCB 622-S PCB 623-S PCB 624-S PCB 625-S PCB 626-S PCB 627-S PCB 628-S PCB 629-S PCB 630-S PCB 631-S PCB 632-S PCB 633-S PCB 634-S PCB 635-S PCB 636-S PCB 637-S PCB 638-S PCB 639-S PCB 640-S PCB 641-S PCB 642-S PCB 643-S PCB 644-S PCB 645-S PCB 646-S PCB 647-S PCB 648-S PCB 649-S PCB 650-S PCB 651-S PCB 652-S PCB 653-S PCB 654-S PCB 655-S PCB 656-S PCB 657-S PCB 658-S PCB 659-S PCB 660-S PCB 661-S PCB 662-S PCB 663-S PCB 664-S PCB 665-S PCB 666-S PCB 667-S PCB 668-S PCB 669-S PCB 670-S PCB 671-S PCB 672-S PCB 673-S PCB 674-S PCB 675-S PCB 676-S PCB 677-S PCB 678-S PCB 679-S PCB 680-S PCB 681-S PCB 682-S PCB 683-S PCB 684-S PCB 685-S PCB 686-S PCB 687-S PCB 688-S PCB 689-S PCB 690-S PCB 691-S PCB 692-S PCB 693-S PCB 694-S PCB 695-S PCB 696-S PCB 697-S PCB 698-S PCB 699-S PCB 700-S PCB 701-S PCB 702-S PCB 703-S PCB 704-S PCB 705-S PCB 706-S PCB 707-S PCB 708-S PCB 709-S PCB 710-S PCB 711-S PCB 712-S PCB 713-S PCB 714-S PCB 715-S PCB 716-S PCB 717-S PCB 718-S PCB 719-S PCB 720-S PCB 721-S PCB 722-S PCB 723-S PCB 724-S PCB 725-S PCB 726-S PCB 727-S PCB 728-S PCB 729-S PCB 730-S PCB 731-S PCB 732-S PCB 733-S PCB 734-S PCB 735-S PCB 736-S PCB 737-S PCB 738-S PCB 739-S PCB 740-S PCB 741-S PCB 742-S PCB 743-S PCB 744-S PCB 745-S PCB 746-S PCB 747-S PCB 748-S PCB 749-S PCB 750-S PCB 751-S PCB 752-S PCB 753-S PCB 754-S PCB 755-S PCB 756-S PCB 757-S PCB 758-S PCB 759-S PCB 760-S PCB 761-S PCB 762-S PCB 763-S PCB 764-S PCB 765-S PCB 766-S PCB 767-S PCB 768-S PCB 769-S PCB 770-S PCB 771-S PCB 772-S PCB 773-S PCB 774-S PCB 775-S PCB 776-S PCB 777-S PCB 778-S PCB 779-S PCB 780-S PCB 781-S PCB 782-S PCB 783-S PCB 784-S PCB 785-S PCB 786-S PCB 787-S PCB 788-S PCB 789-S PCB 790-S PCB 791-S PCB 792-S PCB 793-S PCB 794-S PCB 795-S PCB 796-S PCB 797-S PCB 798-S PCB 799-S PCB 800-S PCB 801-S PCB 802-S PCB 803-S PCB 804-S PCB 805-S PCB 806-S PCB 807-S PCB 808-S PCB 809-S PCB 810-S PCB 811-S PCB 812-S PCB 813-S PCB 814-S PCB 815-S PCB 816-S PCB 817-S PCB 818-S PCB 819-S PCB 820-S PCB 821-S PCB 822-S PCB 823-S PCB 824-S PCB 825-S PCB 826-S PCB 827-S PCB 828-S PCB 829-S PCB 830-S PCB 831-S PCB 832-S PCB 833-S PCB 834-S PCB 835-S PCB 836-S PCB 837-S PCB 838-S PCB 839-S PCB 840-S PCB 841-S PCB 842-S PCB 843-S PCB 844-S PCB 845-S PCB 846-S PCB 847-S PCB 848-S PCB 849-S PCB 850-S PCB 851-S PCB 852-S PCB 853-S PCB 854-S PCB 855-S PCB 856-S PCB 857-S PCB 858-S PCB 859-S PCB 860-S PCB 861-S PCB 862-S PCB 863-S PCB 864-S PCB 865-S PCB 866-S PCB 867-S PCB 868-S PCB 869-S PCB 870-S PCB 871-S PCB 872-S PCB 873-S PCB 874-S PCB 875-S PCB 876-S PCB 877-S PCB 878-S PCB 879-S PCB 880-S PCB 881-S PCB 882-S PCB 883-S PCB 884-S PCB 885-S PCB 886-S PCB 887-S PCB 888-S PCB 889-S PCB 890-S PCB 891-S PCB 892-S PCB 893-S PCB 894-S PCB 895-S PCB 896-S PCB 897-S PCB 898-S PCB 899-S PCB 900-S PCB 901-S PCB 902-S PCB 903-S PCB 904-S PCB 905-S PCB 906-S PCB 907-S PCB 908-S PCB 909-S PCB 910-S PCB 911-S PCB 912-S PCB 913-S PCB 914-S PCB 915-S PCB 916-S PCB 917-S PCB 918-S PCB 919-S PCB 920-S PCB 921-S PCB 922-S PCB 923-S PCB 924-S PCB 925-S PCB 926-S PCB 927-S PCB 928-S PCB 929-S PCB 930-S PCB 931-S PCB 932-S PCB 933-S PCB 934-S PCB 935-S PCB 936-S PCB 937-S PCB 938-S PCB 939-S PCB 940-S PCB 941-S PCB 942-S PCB 943-S PCB 944-S PCB 945-S PCB 946-S PCB 947-S PCB 948-S PCB 949-S PCB 950-S PCB 951-S PCB 952-S PCB 953-S PCB 954-S PCB 955-S PCB 956-S PCB 957-S PCB 958-S PCB 959-S PCB 960-S PCB 961-S PCB 962-S PCB 963-S PCB 964-S PCB 965-S PCB 966-S PCB 967-S PCB 968-S PCB 969-S PCB 970-S PCB 971-S PCB 972-S PCB 973-S PCB 974-S PCB 975-S PCB 976-S PCB 977-S PCB 978-S PCB 979-S PCB 980-S PCB 981-S PCB 982-S PCB 983-S PCB 984-S PCB 985-S PCB 986-S PCB 987-S PCB 988-S PCB 989-S PCB 990-S PCB 991-S PCB 992-S PCB 993-S PCB 994-S PCB 995-S PCB 996-S PCB 997-S PCB 998-S PCB 999-S PCB 1000-S PCB 1001-S PCB 1002-S PCB 1003-S PCB 1004-S PCB 1005-S PCB 1006-S PCB 1007-S PCB 1008-S PCB 1009-S PCB 1010-S PCB 1011-S PCB 1012-S PCB 1013-S PCB 1014-S PCB 1015-S PCB 1016-S PCB 1017-S PCB 1018-S PCB 1019-S PCB 1020-S PCB 1021-S PCB 1022-S PCB 1023-S PCB 1024-S PCB 1025-S PCB 1026-S PCB 1027-S PCB 1028-S PCB 1029-S PCB 1030-S PCB 1031-S PCB 1032-S PCB 1033-S PCB 1034-S PCB 1035-S PCB 1036-S PCB 1037-S PCB 1038-S PCB 1039-S PCB 1040-S PCB 1041-S PCB 1042-S PCB 1043-S PCB 1044-S PCB 1045-S PCB 1046-S PCB 1047-S PCB 1048-S PCB 1049-S PCB 1050-S PCB 1051-S PCB 1052-S PCB 1053-S PCB 1054-S PCB 1055-S PCB 1056-S PCB 1057-S PCB 1058-S PCB 1059-S PCB 1060-S PCB 1061-S PCB 1062-S PCB 1063-S PCB 1064-S PCB 1065-S PCB 1066-S PCB 1067-S PCB 1068-S PCB 1069-S PCB 1070-S PCB 1071-S PCB 1072-S PCB 1073-S PCB 1074-S PCB 1075-S PCB 1076-S PCB 1077-S PCB 1078-S PCB 1079-S PCB 1080-S PCB 1081-S PCB 1082-S PCB 1083-S PCB 1084-S PCB 1085-S PCB 1086-S PCB 1087-S PCB 1088-S PCB 1089-S PCB 1090-S PCB 1091-S PCB 1092-S PCB 1093-S PCB 1094-S PCB 1095-S PCB 1096-S PCB 1097-S PCB 1098-S PCB 1099-S PCB 1100-S PCB 1101-S PCB 1102-S PCB 1103-S PCB 1104-S PCB 1105-S PCB 1106-S PCB 1107-S PCB 1108-S PCB 1109-S PCB 1110-S PCB 1111-S PCB 1112-S PCB 1113-S PCB 1114-S PCB 1115-S PCB 1116-S PCB 1117-S PCB 1118-S PCB 1119-S PCB 1120-S PCB 1121-S PCB 1122-S PCB 1123-S PCB 1124-S PCB 1125-S PCB 1126-S PCB 1127-S PCB 1128-S PCB 1129-S PCB 1130-S PCB 1131-S PCB 1132-S PCB 1133-S PCB 1134-S PCB 1135-S PCB 1136-S PCB 1137-S PCB 1138-S PCB 1139-S PCB 1140-S PCB 1141-S PCB 1142-S PCB 1143-S PCB 1144-S PCB 1145-S PCB 1146-S PCB 1147-S PCB 1148-S PCB 1149-S PCB 1150-S PCB 1151-S PCB 1152-S PCB 1153-S PCB 1154-S PCB 1155-S PCB 1156-S PCB 1157-S PCB 1158-S PCB 1159-S PCB 1160-S PCB 1161-S PCB 1162-S PCB 1163-S PCB 1164-S PCB 1

Login Sample Receipt Checklist

Client: Impact7G, Inc

Job Number: 310-240005-1

Login Number: 240005**List Source: Eurofins Cedar Falls****List Number: 1****Creator: Kizer, Preston V**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	SS-1 sample jar had earlier collection time. Logged per sample container.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix C – Cumulative Risk Calculator Results

Cumulative Risk Calculator - Site Worker Scenario

PREPARER

<i>Preparer Name</i>	Site Name
<i>Site Name</i>	City of Pella
<i>Address</i>	Oskaloosa St. & E. 2nd St.
<i>City, State, Zip</i>	Pella, IA 50219
<i>Project</i>	2022 LSI Results

PREPARER INPUT

<i>Chemical</i>	<i>CASRN</i>	<i>Exposure Point Concentration for Soil (mg/kg)</i>	<i>Site-Specific Background Soil Level* (mg/kg)</i>
Arsenic, Inorganic	007440-38-2	17.4	0
Lead and Compounds	007439-92-1	435	0

CANCER OUTPUT

<i>Chemical</i>	<i>CASRN</i>	<i>Site Worker Soil</i>
Arsenic, Inorganic	007440-38-2	0.1
Lead and Compounds	007439-92-1	NQ
TOTALS:		0.1

Cumulative Cancer Risk Site Worker: **0.1**

All cancer risk values are x 10^-4

SITE WORKER - NON CANCER OUTPUT BY TARGET ORGAN

<i>Chemical Name</i>	<i>CASRN</i>	<i>Media</i>	<i>Heart</i>	<i>Liver</i>	<i>Blood</i>	<i>Kidney</i>	<i>Skin</i>	<i>Endoc</i>	<i>Eye</i>	<i>Immu</i>	<i>Nerve</i>	<i>GenUr</i>	<i>Respi</i>	<i>Other</i>	<i>Devel</i>	<i>Gastro</i>
Arsenic, Inorganic	007440-38-2	Soil	0.16				0.16									
Lead and Compounds	007439-92-1	Soil				0.396									0.396	
		Sum:	0.556	0	0	0.396	0.16	0	0	0	0	0	0	0	0.396	0

Cumulative Risk Calculator - Construction Worker Scenario

PREPARER

<i>Preparer Name</i>	Site Name
<i>Site Name</i>	City of Pella
<i>Address</i>	Oskaloosa St. & E. 2nd St.
<i>City, State, Zip</i>	Pella, IA 50219
<i>Project</i>	2022 LSI Results

PREPARER INPUT

<i>Chemical</i>	<i>CASRN</i>	<i>Exposure Point Concentration for Soil (mg/kg)</i>	<i>Site-Specific Background Soil Level* (mg/kg)</i>
Arsenic, Inorganic	007440-38-2	17.4	0
Lead and Compounds	007439-92-1	435	0

CANCER OUTPUT

<i>Chemical</i>	<i>CASRN</i>	<i>Construction Worker Soil</i>
Arsenic, Inorganic	007440-38-2	0.01
Lead and Compounds	007439-92-1	NQ
TOTALS:		0.01

Cumulative Cancer Risk Construction Worker: **0.01**

All cancer risk values are x 10^-4

CONSTRUCTION WORKER - NON CANCER OUTPUT BY TARGET ORGAN

<i>Chemical Name</i>	<i>CASRN</i>	<i>Media</i>	<i>Heart</i>	<i>Liver</i>	<i>Blood</i>	<i>Kidney</i>	<i>Skin</i>	<i>Endoc</i>	<i>Eye</i>	<i>Immu</i>	<i>Nerve</i>	<i>GenUr</i>	<i>Respi</i>	<i>Other</i>	<i>Devel</i>	<i>Gastro</i>
Arsenic, Inorganic	007440-38-2	Soil	0.16				0.16									
Lead and Compounds	007439-92-1	Soil	0.22			0.22									0.22	
		Sum:	0.38	0	0	0.22	0.16	0	0	0	0	0	0	0	0.22	0

Cumulative Risk Calculator - Site Resident Scenario

PREPARER

<i>Preparer Name</i>	Site Name
<i>Site Name</i>	City of Pella
<i>Address</i>	Oskaloosa St. & E. 2nd St.
<i>City, State, Zip</i>	Pella, IA 50219
<i>Project</i>	2022 LSI Results

PREPARER INPUT

<i>Chemical</i>	<i>CASRN</i>	<i>Exposure Point Concentration for Soil (mg/kg)</i>	<i>Site-Specific Background Soil Level* (mg/kg)</i>
Arsenic, Inorganic	007440-38-2	17.4	0
Lead and Compounds	007439-92-1	435	0

CANCER OUTPUT

<i>Chemical</i>	<i>CASRN</i>	<i>Site Resident Soil</i>
Arsenic, Inorganic	007440-38-2	0.45
Lead and Compounds	007439-92-1	NQ
TOTALS:		0.45

Cumulative Cancer Risk Site Resident: **0.45**

All cancer risk values are $\times 10^{-4}$

SITE RESIDENT - NON CANCER OUTPUT BY TARGET ORGAN

<i>Chemical Name</i>	<i>CASRN</i>	<i>Media</i>	<i>Heart</i>	<i>Liver</i>	<i>Blood</i>	<i>Kidney</i>	<i>Skin</i>	<i>Endoc</i>	<i>Eye</i>	<i>Immu</i>	<i>Nerve</i>	<i>GenUr</i>	<i>Respi</i>	<i>Other</i>	<i>Devel</i>	<i>Gastro</i>
Arsenic, Inorganic	007440-38-2	Soil	0.8				0.8									
Lead and Compounds	007439-92-1	Soil	1.09			1.09									1.09	
		Sum:	1.89	0	0	1.09	0.8	0	0	0	0	0	0	0	1.09	0

Appendix D – Qualifications of the Environmental Professionals

IMPACT7G QUALIFICATIONS

Dan Keltner – Senior Project Manager, Quality Assurance/Quality Control

Mr. Dan Keltner is an Environmental Professional with 20 years of experience in the environmental consulting field, including greater than 15 years of direct experience with Phase I and Phase II Environmental Site Assessments (ESAs). Mr. Keltner is a subject matter expert in Phase I ESAs per the ASTM E1527-13 standard practice, having prepared, managed, or reviewed several hundred reports across more than 30 U.S. states. Mr. Keltner's experience includes supporting due diligence at a wide variety of commercial, agricultural, industrial, and transportation properties and for numerous clients. Key due diligence projects have included supporting both sell-side and buy-side transactions with portfolios of up to 100 properties. In addition to performing and training teams in all aspects of Phase I ESAs, Mr. Keltner has also managed subsurface investigations at numerous facilities, including industrial, commercial, agricultural, and municipal properties; active and former gas stations; and near a construction and debris landfill. This experience has included review and understanding of technical environmental reports for the private sector, state-lead agencies, and U.S. EPA. Having been based in multiple regions, including Iowa, Connecticut, California, and Illinois, Dan has worked closely with several Federal and State regulatory programs in those regions.

Matt Deutsch – Senior Project Manager

Mr. Matt Deutsch is an Environmental Professional with experience on a variety of environmental projects including: Phase I and II Environmental site assessments, Hazardous Materials Inventory, safety audits EPA Brownfield projects, and air quality investigations. Mr. Deutsch has extensive experience managing the investigation, remediation, and reporting of numerous hazardous materials sites, including but not limited to: Risk Based Corrective Action investigations, free product removal technologies, soil excavation, and emergency spill response management and reporting. Mr. Deutsch is 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) certified, is a Certified Safety Professional, and a Certified Hazardous Materials Manager.