

Phase II Environmental Site Assessment



**1000-1006 SOUTH 4TH STREET
CLINTON, IOWA 52732**

Prepared For:

**EPA REGION 7
EAST CENTRAL INTERGOVERNMENTAL
ASSOCIATION BROWNFIELDS
REDEVELOPMENT PROJECT
BROWNFIELDS ASSESSMENT GRANT**

Prepared by:



**310 2ND STREET
CORALVILLE, IOWA 52241
IMPACT7G, INC**

December 12, 2018

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1.0 EXECUTIVE SUMMARY

The East Central Intergovernmental Association (ECIA) contracted with Impact7G to perform a Phase II Environmental Site Assessment (Phase II ESA) for 1000-1006 South 4th Street in Clinton, Iowa (Property). The objective of this Phase II ESA was to evaluate recognized environmental conditions identified in the February 28, 2018 Phase I Environmental Site Assessment (ESA) completed by Impact7G in conformance with the scope and limitations of ASTM Practice E 1527-13. Recognized Environmental Conditions (RECs) identified in the Phase I ESA requiring additional assessment included:

One (1) vent pipe and fill port characteristic of an underground storage tank (UST) was observed in the basement of 1000 South 4th Street. The fill port was capped with a metal fitting on the west wall of the basement. No information regarding the date of installation or the date of removal use of the UST was found. Based on the nature of property uses, the UST was presumably utilized for the storage of heating oil.. Based on the lack of information regarding the UST removal, a release of heating oil from the UST that has resulted in an impact to the subsurface of the Property cannot be ruled out. Furthermore, it is possible that the UST remains in place. Based on this information, the former/continued presence of the UST on the subject property represents a REC.

A brick-lined well or cistern was observed in the basement at 1000 South 4th Street. The depth of the well/cistern is unknown, and it is filled with historic debris. The presence of the well/cistern is considered an environmental issue because wells represent a conduit to the subsurface. Historic use of the building suggests that few hazardous chemicals were stored on-site.

According to city directories, an auto repair/auto sales shop was located approximately 70-feet west on the adjacent property in a cross-gradient location at 413 10th Avenue South from 1987-1992. Auto repair shop operations typically involve the use of oils and solvents, and generate waste consisting of used oils and solvents, some of which could contain heavy metals.. Therefore, the historic use of this property as an auto sales and body shop represent a REC to the Property.

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 site.

2.0 INTRODUCTION

2.1 Purpose

The ECIA contracted with Impact7G to perform a Phase II ESA for the Property located at 1000-1006 South 4th Street in Clinton, Iowa (Property). The objective of this Phase II ESA was to evaluate recognized environmental conditions identified in the February 28, 2018 Phase I ESA completed by Impact7G in conformance with the scope and limitations of ASTM Practice E 1527-13. RECs were identified in the Phase I ESA requiring additional assessment. The data gathered during this limited investigation has been compared to the risk-based standards outlined in Iowa Administrative Code (IAC) 567 *Chapter 137: Iowa Land Recycling Program (ILRP) and Response Action Standards*.

2.2 Problem Statement

The RECs identified in the Phase I ESA requiring additional assessment included:

One (1) vent pipe and fill port characteristic of an underground storage tank (UST) was observed in the basement of 1000 South 4th Street. The fill port was capped with a metal fitting on the west wall of the basement. No information regarding the date of installation or the date of removal use of the UST was found. Based on the nature of property uses, the UST was presumably utilized for the storage of heating oil. Based on the lack of information regarding the UST removal, a release of heating oil from the UST that has resulted in an impact to the subsurface of the Property cannot be ruled out. Furthermore, it is possible that the UST remains in place. Based on this information, the former/continued presence of the UST on the subject property represents a REC.

A brick-lined well or cistern was observed in the basement at 1000 South 4th Street. The depth of the well/cistern is unknown, and it is filled with historic debris. The presence of the well/cistern is considered an environmental issue because wells represent a conduit to the subsurface. Historic use of the building suggests that few hazardous chemicals were stored on-site.

According to city directories, an auto repair/auto sales shop was located approximately 70-feet west on the adjacent property in a cross-gradient location at 413 10th Avenue South from 1987-1992. Auto repair shop operations typically involve the use of oils and solvents, and generate waste consisting of used oils and solvents, some of which could contain heavy metals. Therefore, the historic use of this property as an auto sales and body shop represent a REC to the Property.

3.0 BACKGROUND

The Property is located within the SE ¼, NW ¼, SW ¼ Section 6, Township 81 North, Range 7 East and is further located at approximately 41° 50' 06" North latitude and 90°11' 36.36" West longitude (see Figure 1, Appendix B).

3.1 Site Characteristics

The Property is located at 1000-1006 South 4th Street in Clinton, Iowa. The Property parcel number, owners, location and description are presented on the following Table 1.

Table 1 – Site Characteristics

Parcel # & Owner	Location	Description(s)
80-59700000, Keis Daniel H & Margaret	413 10 Ave. South	2,160 square ft ² brick warehouse structure constructed in 1864 (0.05 acres)
80-59730000 JP Rental Development LLC	1002 South 4 th Street	2,808 ft ² two-story brick structure constructed in 1868 (0.064 acres)
80-59740000 Sap Rentals LLC	1004 South 4 th Street	5,028 ft ² three-story brick structure constructed in 1900 (0.052 acres)
8059750000 Series 1 and Widener Donald G	1006 South 4 th Street	11,700 ft ² three-story brick warehouse constructed in 1900 (0.116 acres)

3.2 Principal User

The principal end user of project information is ECIA. Further reliance by others is beyond the scope of this project.

4.0 INVESTIGATION ACTIVITIES

The intent of this Phase II ESA is to evaluate RECs identified in the February 28, 2018 Phase I ESA for the Property. The sampling plan was detailed in a proposal provided to ECIA on October 1, 2018. The proposal recommended advancing three (3) soil borings on the Property for the collection of soil and groundwater samples. Given the site constraints, including a concrete basement floor and sump pit located in the basement 1000 South 4th Street, soil samples were not collected from the area of the fuel oil UST and sump pit. On October 29, 2018, five (5) soil borings SB-1, SB-2, SB-3, SB-4 and SB-5 were advanced to a maximum dept of 12-feetbgs using a track mounted, direct push Geoprobe® drill rig. SB-1 was advanced near the Property boundary; SB-3 was advanced on the southwest corner of the Property; SB-3 was advanced on the southwest corner of the Property; SB-4 was advanced on the east side of the Property; and SB-5 was advanced near the northeast corner of the Property (See Figure 2 in Appendix B).

Soil samples were collected using a direct-push Geoprobe® with acetate liners. Soil samples were collected, bagged and screened in two-foot intervals for volatile organic compounds (VOCs) using a photoionization detector (PID). PID readings were used to select the sample intervals to be submitted for laboratory analysis. The interval with the highest PID reading was sampled and submitted for laboratory analysis. For VOCs analyses, if there are no PID readings above ppm, or there are no obvious visual indicators of contamination, the soil samples were collected just above the perceived groundwater table. Surface soil samples from each soil boring location were collected from 0 to 2-feet bgs and submitted for laboratory analysis of Resource Conservation and Recovery Act

(RCRA) metals using EPA Methods 6010C and 7471B/6020A and 7470A. Soil samples were collected at the depth of the perceived groundwater table from 7 to 9-feet bgs from soil boring locations SB-2 through SB-5 for analysis of VOCs by EPA Method 8260C, semi-volatile organic compounds (SVOCs) by EPA Method 8270D and total extractable hydrocarbons (TEHs) by Iowa Method OA-2. Groundwater was not detected in SB-1 and therefore a soil sample from the 7 to 9-feet bgs interval was not collected.

Following the completion of soil sampling, each soil boring was converted into temporary monitoring wells utilizing 1-inch diameter polyvinyl chloride (PVC) screen and riser. Enough volumes of groundwater for collection did not recharge into any of the temporary groundwater monitoring wells constructed at the Property during the October 29, 2018 investigation, thus groundwater was collected as part of this assessment. Each of the well casings were removed from each soil boring location and were then subsequently backfilled with granular bentonite.

4.1 Soil Assessment

Subsurface conditions generally consisted of fine to course alluvial sand with silt underlain with dolomitic limestone between 10 and 12-feet bgs. Groundwater was detected in fine to course sand and gravel alluvial deposits located between 7 and 8-feet bgs. No petroleum odors were detected, and no visible petroleum staining was observed in any of the soil borings. In addition, all PID measurements registered 0.0 ppmv by volume. Soil boring logs are included in Appendix D. The following table summarizes those analytical constituents detected above their respective laboratory reporting limits. The detected concentrations were below the most restrictive ILRP SWS for soil. Complete laboratory analytical reports are included in Appendix C.

Table 2 – Soil – RCRA Metals (mg/Kg)

Constituent	SB-1 0-2-feet	SB-2 0-2-feet	SB-3 0-2-feet	SB-4 0-2-feet	SB-5 0-2-feet	Protected Statewide Standard For Soil
RCRA Metals						
Arsenic	<11.3	13.3	<3.48	<7.98	<3.46	17
Barium	54.6	149	52.5	28	59.8	15,000
Cadmium	<2.81	2.27	<0.871	<1.99	<0.864	70
Chromium	9.46	13.8	11.8	8.25	12.7	190
Lead	89.2	242	5.20	<9.97	26.6	400
Mercury	0.165	0.843	<0.0186	0.0593	0.158	23

Bold results indicate analytical results greater than laboratory's method of detection and/or reporting limit.

Shaded results indicate analytical results that exceed the Protected Statewide Standard

NE = Not Established

NT=Not Tested

4.2 Groundwater Assessment

Upon completion of soil sampling activities, each soil boring was converted into temporary groundwater monitoring wells completed with a 1-inch inside diameter (ID) PVC riser and 1" ID 0.01" slotted PVC pipe screen. Moist sand with silt was encountered between 7 and 8-feet below grade; however, enough volumes of groundwater for collection did not recharge into any of the temporary groundwater monitoring wells constructed at the

Property during the October 29, 2018 investigation, thus groundwater was collected as part of this assessment.

5.0 DEVIATIONS FROM SCOPE

Site constraints including a concrete basement floor and sump pit located in the basement 1000 South 4th Street, soil samples were not collected from the area of the fuel oil AST and sump pit.

6.0 FINDINGS AND CONCLUSIONS

The detected RCRA metals concentrations from soil samples collected at the Property were below the most restrictive DNR ILRP SWS for soil or below laboratory reporting limits.

7.0 RECOMMENDATIONS

Based on the findings and conclusions resultant of data collected during this Phase II ESA, no further action is recommended apart from additional investigation in the Property basement to further evaluate the presence of a suspected UST. Impact7G's conclusions are rendered in accordance with generally accepted professional standard but are not to be construed as a guarantee or warranty as to the potential liability associated with environmental conditions at the site.

8.0 SIGNATURES OF ENVIRONMENTAL PROFESSIONALS

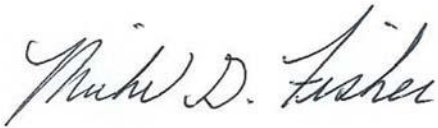
Signatures of the environmental professionals responsible for this report:



James Goodrich, Report Preparer



Amber Haukedahl, Environmental Specialist II, Quality Control / Quality Assurance



Mike Fisher, Project Manager, VP

APPENDIX A

Qualifications

Project Qualifications

Michael Fisher, REM – *Principal*

As Vice President of Impact7G, Mike is responsible for business development, client management, project management, contracts review, and working with the other principals to facilitate change as Impact7G grows in service offerings and client base in the coming years. Mike has 25 years of consulting experience including environmental and energy business line management as well as Board of Director responsibilities at an Engineering News Record (ENR) top 200 engineering design firm. Mike also applies his long-running technical expertise in the renewable energy, brownfields redevelopment, and environmental planning market areas. His environmental experience includes extensive experience with the National Environmental Policy Act (NEPA) and brownfields redevelopment. He is also a multi-media environmental compliance expert. Mike spent much of the last decade continuing to work on environmental projects while also facilitating development of multi-megawatts of distributed wind and solar projects. Consistent with Impact7G's mission, Mike's objective is to foster utilization of our natural resources in a manner that supports a sustainable future for generations ahead.

Amber Haukedahl – *Environmental Specialist*

Amber is an Environmental Specialist with experience on a variety of environmental projects including, but not limited to, Phase 1 Environmental Site Assessments, assisting in sampling for Phase II projects, wetland delineations, cultural surveys, and conducting avian and plant surveys. Mrs. Haukedahl holds an M.S. degree in Conservation Biology with many years of extensive field experience. Mrs. Haukedahl has completed ASTM 1527-13 compliant site reconnaissance field visits, reviewed local, state, and federal environmental databases, acquired and reviewed historical information, performed warranty deed and lien searches, and completed interviews. Mrs. Haukedahl is certified as a Lead Risk Assessor in Minnesota and Iowa.

James Goodrich - *Senior Environmental Specialist*

Mr. Goodrich has 18 years of consulting experience in the environmental industry and has worked on a variety of projects including Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, asbestos inspections and reporting, lead based paint inspections, wetland delineation and mitigation planning, threatened and endangered species assessments, contaminant risk based corrective action assessments, environmental reconnaissance and permitting, and petroleum spill mitigation management services. Mr. Goodrich has facilitated multiple remedial investigations and environmental permitting projects, with specific responsibilities in budget preparation and review, project reporting, acting as liaison between regulatory agencies and the client, and conducting quality review and assurance.

APPENDIX B

Figures

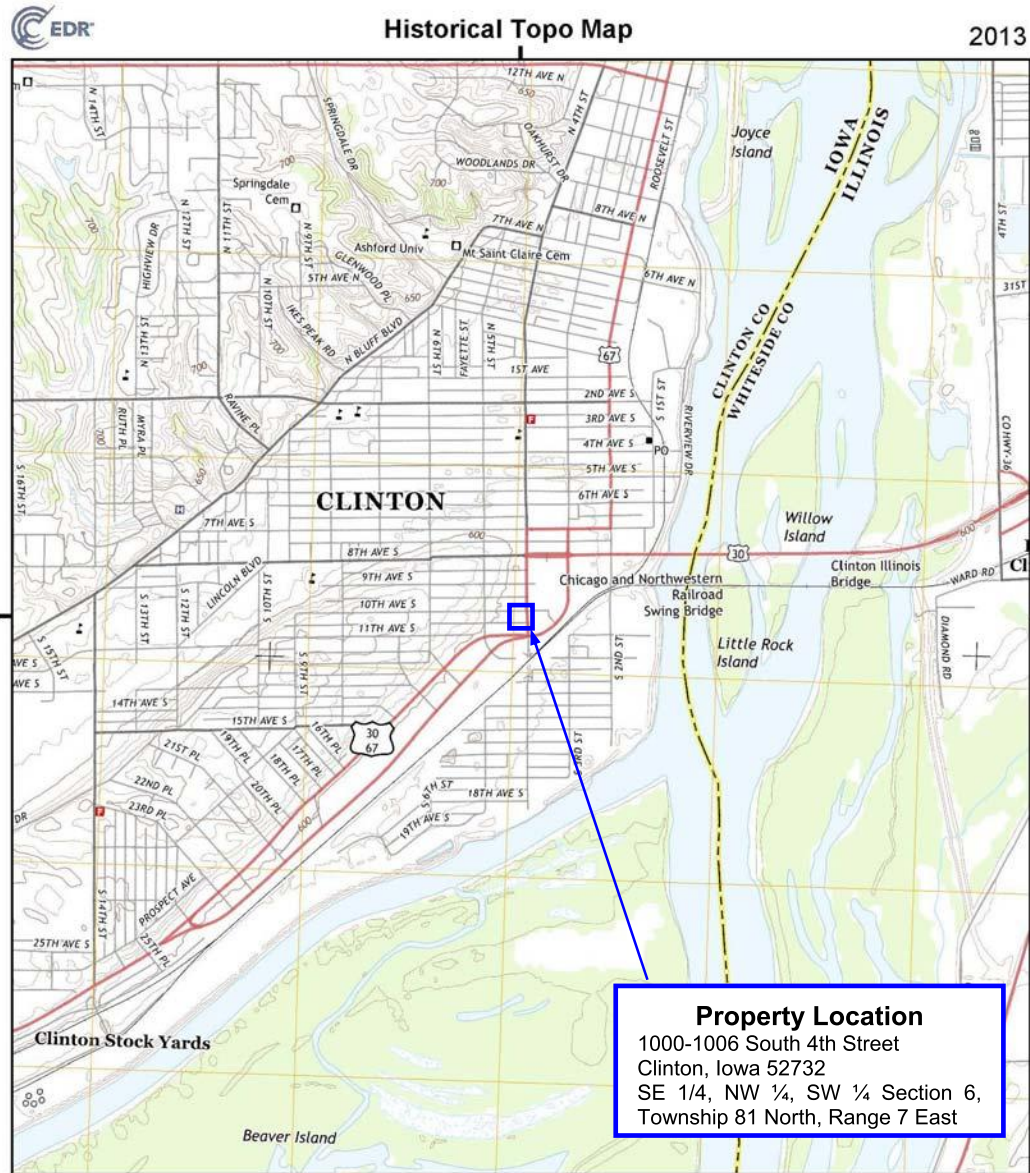
Figure 1 – Property Vicinity Map

Figure 2 – Sample Location Map

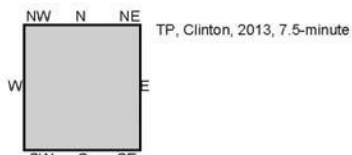
PROPERTY VICINITY MAP



North



This report includes information from the following map sheet(s).



0 Miles 0.25 0.5 1 1.5

SITE NAME: ECIA-South 4th Street Properties, Clinton
 ADDRESS: 1002 S 4th St
 Clinton, IA 52732
 CLIENT: Impact7G, Inc.

Site Vicinity Map

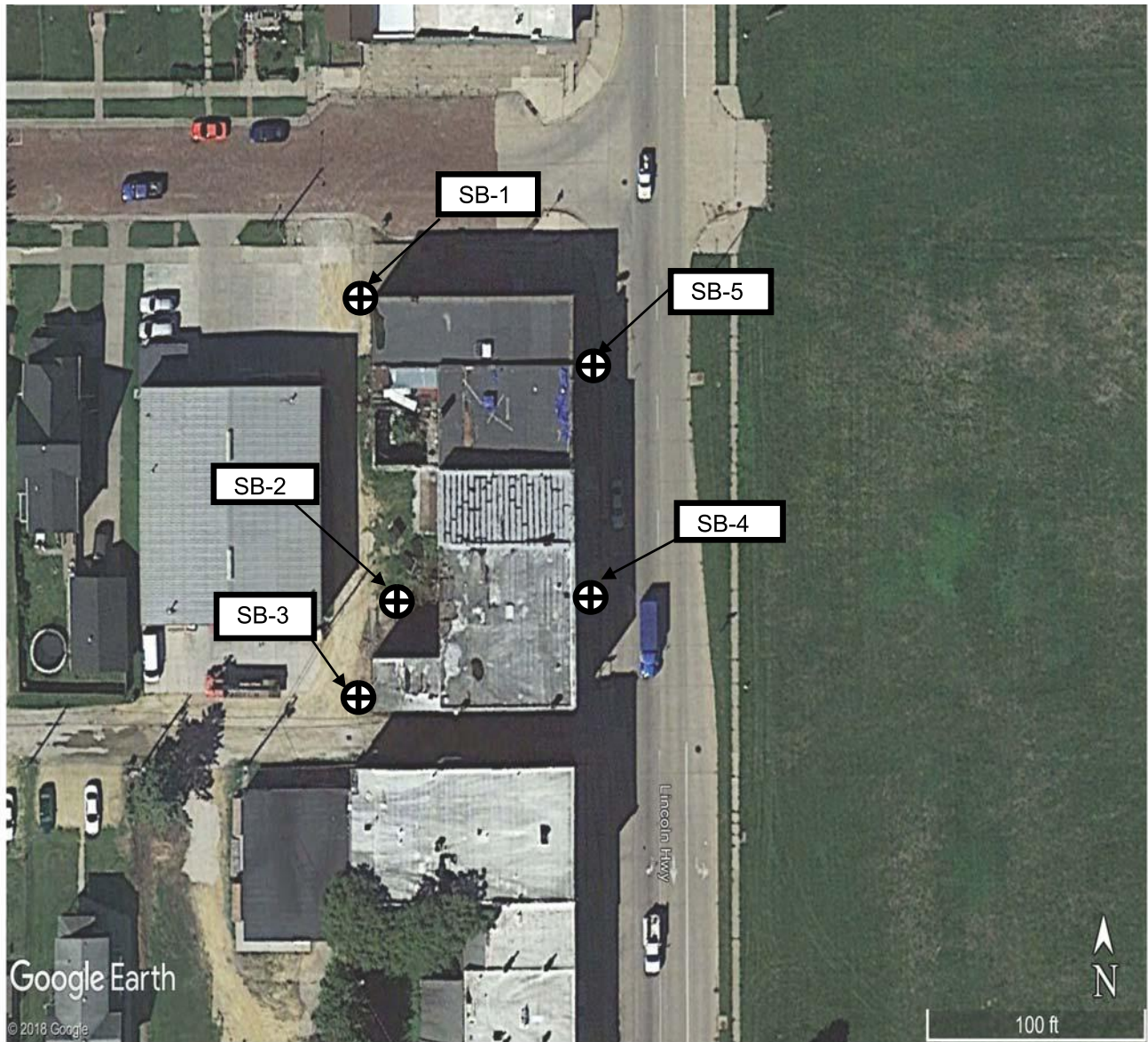
1000-1006 South 4th Street
 Clinton, Iowa 52732



PROPERTY LOCATION MAP



North



 = 10.29.18 Soil Boring Location

Site Location Map

1000-1006 South 4th Street
Clinton, Iowa 52732



APPENDIX C

Laboratory Reports/ Chain of Custody Documentation

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Cedar Falls

704 Enterprise Drive

Cedar Falls, IA 50613

Tel: (319)277-2401

TestAmerica Job ID: 310-142789-1

Client Project/Site: 1000-1006 South 4th Street

For:

Impact7G, Inc

9550 Hickman Road

Suite 105

Clive, Iowa 50325

Attn: Mike Fisher



Authorized for release by:

11/14/2018 11:36:25 PM

Shawn Hayes, Senior Project Manager

(319)229-8211

shawn.hayes@testamericainc.com

LINKS

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results through

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Have a Question?



Visit us at:

www.testamericainc.com

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.

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Case Narrative

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Job ID: 310-142789-1

Laboratory: TestAmerica Cedar Falls

Narrative

Job Narrative 310-142789-1

Comments

No additional comments.

Receipt

The samples were received on 10/30/2018 2:10 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.4° 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(s) 8270D: Surrogate recovery for the following sample was outside the upper control limit: SB-5 7-9 (310-142789-14). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

Method(s) 6010C: The following samples were diluted due to the presence of an interferent. SB-1 0-2 (310-142789-1), SB-2 0-2 (310-142789-3), SB-4 0-2 (310-142789-9) and Duplicate (310-142789-15). 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.

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
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-142789-1	SB-1 0-2	Soil	10/29/18 13:20	10/30/18 14:10
310-142789-3	SB-2 0-2	Soil	10/29/18 13:30	10/30/18 14:10
310-142789-5	SB-2 7-9	Soil	10/29/18 13:30	10/30/18 14:10
310-142789-6	SB-3 0-2	Soil	10/29/18 14:00	10/30/18 14:10
310-142789-8	SB-3 7-9	Soil	10/29/18 14:00	10/30/18 14:10
310-142789-9	SB-4 0-2	Soil	10/29/18 14:30	10/30/18 14:10
310-142789-11	SB-4 7-9	Soil	10/29/18 14:30	10/30/18 14:10
310-142789-12	SB-5 0-2	Soil	10/29/18 14:35	10/30/18 14:10
310-142789-14	SB-5 7-9	Soil	10/29/18 14:35	10/30/18 14:10
310-142789-15	Duplicate	Soil	10/29/18 00:00	10/30/18 14:10

Detection Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-1 0-2

Lab Sample ID: 310-142789-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	54.6		2.81		mg/Kg	3	☼	6010C	Total/NA
Chromium	9.46		2.81		mg/Kg	3	☼	6010C	Total/NA
Lead	89.2		14.1		mg/Kg	3	☼	6010C	Total/NA
Mercury	0.165		0.0195		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-2 0-2

Lab Sample ID: 310-142789-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	13.3		7.36		mg/Kg	2	☼	6010C	Total/NA
Barium	149		1.84		mg/Kg	2	☼	6010C	Total/NA
Cadmium	2.27		1.84		mg/Kg	2	☼	6010C	Total/NA
Chromium	13.8		1.84		mg/Kg	2	☼	6010C	Total/NA
Lead	242		9.20		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.843		0.254		mg/Kg	10	☼	7471B	Total/NA

Client Sample ID: SB-2 7-9

Lab Sample ID: 310-142789-5

No Detections.

Client Sample ID: SB-3 0-2

Lab Sample ID: 310-142789-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	52.5		0.871		mg/Kg	1	☼	6010C	Total/NA
Chromium	11.8		0.871		mg/Kg	1	☼	6010C	Total/NA
Lead	5.20		4.35		mg/Kg	1	☼	6010C	Total/NA

Client Sample ID: SB-3 7-9

Lab Sample ID: 310-142789-8

No Detections.

Client Sample ID: SB-4 0-2

Lab Sample ID: 310-142789-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	28.0		1.99		mg/Kg	2	☼	6010C	Total/NA
Chromium	8.25		1.99		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0593		0.0195		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-4 7-9

Lab Sample ID: 310-142789-11

No Detections.

Client Sample ID: SB-5 0-2

Lab Sample ID: 310-142789-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	59.8		0.864		mg/Kg	1	☼	6010C	Total/NA
Chromium	12.7		0.864		mg/Kg	1	☼	6010C	Total/NA
Lead	26.6		4.32		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.158		0.0222		mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-5 7-9

Lab Sample ID: 310-142789-14

No Detections.

Client Sample ID: Duplicate

Lab Sample ID: 310-142789-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Barium	98.9		2.03		mg/Kg	2		☼	6010C	Total/NA
Cadmium	2.85		2.03		mg/Kg	2		☼	6010C	Total/NA
Chromium	10.7		2.03		mg/Kg	2		☼	6010C	Total/NA
Lead	157		10.1		mg/Kg	2		☼	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-1 0-2

Date Collected: 10/29/18 13:20

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-1

Matrix: Soil

Percent Solids: 92.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<11.3		11.3		mg/Kg	☼	11/05/18 10:00	11/13/18 16:30	3
Barium	54.6		2.81		mg/Kg	☼	11/05/18 10:00	11/13/18 16:30	3
Cadmium	<2.81		2.81		mg/Kg	☼	11/05/18 10:00	11/13/18 16:30	3
Chromium	9.46		2.81		mg/Kg	☼	11/05/18 10:00	11/13/18 16:30	3
Lead	89.2		14.1		mg/Kg	☼	11/05/18 10:00	11/13/18 16:30	3
Selenium	<21.1		21.1		mg/Kg	☼	11/05/18 10:00	11/13/18 16:30	3
Silver	<2.81		2.81		mg/Kg	☼	11/05/18 10:00	11/13/18 16:30	3

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.165		0.0195		mg/Kg	☼	11/08/18 10:00	11/09/18 11:56	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-2 0-2

Date Collected: 10/29/18 13:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-3

Matrix: Soil

Percent Solids: 77.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.3		7.36		mg/Kg	☼	11/05/18 10:00	11/12/18 22:56	2
Barium	149		1.84		mg/Kg	☼	11/05/18 10:00	11/12/18 22:56	2
Cadmium	2.27		1.84		mg/Kg	☼	11/05/18 10:00	11/12/18 22:56	2
Chromium	13.8		1.84		mg/Kg	☼	11/05/18 10:00	11/12/18 22:56	2
Lead	242		9.20		mg/Kg	☼	11/05/18 10:00	11/12/18 22:56	2
Selenium	<13.8		13.8		mg/Kg	☼	11/05/18 10:00	11/12/18 22:56	2
Silver	<1.84		1.84		mg/Kg	☼	11/05/18 10:00	11/12/18 22:56	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.843		0.254		mg/Kg	☼	11/08/18 10:00	11/09/18 18:09	10

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-2 7-9

Lab Sample ID: 310-142789-5

Date Collected: 10/29/18 13:30

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.133		0.133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Benzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Bromobenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Bromochloromethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Bromodichloromethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Bromoform	<0.0265		0.0265		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Bromomethane	<0.0531		0.0531		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
2-Butanone (MEK)	<0.133		0.133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
n-Butylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
sec-Butylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
tert-Butylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Carbon disulfide	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Carbon tetrachloride	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Chlorobenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Chlorodibromomethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Chloroethane	<0.0531		0.0531		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Chloroform	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Chloromethane	<0.0531		0.0531		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
2-Chlorotoluene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
4-Chlorotoluene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2-Dibromo-3-Chloropropane	<0.133		0.133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2-Dibromoethane (EDB)	<0.133		0.133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Dibromomethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2-Dichlorobenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,3-Dichlorobenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,4-Dichlorobenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Dichlorodifluoromethane	<0.0398		0.0398		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,1-Dichloroethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2-Dichloroethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,1-Dichloroethene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
cis-1,2-Dichloroethene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
trans-1,2-Dichloroethene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2-Dichloropropane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,3-Dichloropropane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
2,2-Dichloropropane	<0.0531		0.0531		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,1-Dichloropropene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
cis-1,3-Dichloropropene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
trans-1,3-Dichloropropene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Ethylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Hexachlorobutadiene	<0.0663		0.0663		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Hexane	<0.0663		0.0663		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Isopropylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
p-Isopropyltoluene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Methylene Chloride	<0.133		0.133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Methyl tert-butyl ether	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Naphthalene	<0.0663		0.0663		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
N-Propylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Styrene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,1,1,2-Tetrachloroethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-2 7-9

Date Collected: 10/29/18 13:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-5

Matrix: Soil

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Tetrachloroethene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Toluene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2,3-Trichlorobenzene	<0.0663		0.0663		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2,4-Trichlorobenzene	<0.0663		0.0663		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,1,1-Trichloroethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,1,2-Trichloroethane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Trichloroethene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Trichlorofluoromethane	<0.0531		0.0531		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2,3-Trichloropropane	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,2,4-Trimethylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
1,3,5-Trimethylbenzene	<0.0133		0.0133		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Vinyl chloride	<0.0398		0.0398		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1
Xylenes, Total	<0.0398		0.0398		mg/Kg	☼	11/07/18 08:30	11/07/18 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120	11/07/18 08:30	11/07/18 11:52	1
Dibromofluoromethane (Surr)	100		80 - 120	11/07/18 08:30	11/07/18 11:52	1
Toluene-d8 (Surr)	98		80 - 120	11/07/18 08:30	11/07/18 11:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Acenaphthylene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Anthracene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzidine	<0.487		0.487		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzo[a]anthracene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzo[a]pyrene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzo[b]fluoranthene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzo[g,h,i]perylene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzoic acid	<1.22		1.22		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzo[k]fluoranthene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Benzyl alcohol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Bis(2-chloroethoxy)methane	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Bis(2-chloroethyl)ether	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
bis (2-chloroisopropyl) ether	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Bis(2-ethylhexyl) phthalate	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
4-Bromophenyl phenyl ether	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Butyl benzyl phthalate	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Carbazole	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
4-Chloroaniline	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
4-Chloro-3-methylphenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2-Chloronaphthalene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2-Chlorophenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
4-Chlorophenyl phenyl ether	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Chrysene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Dibenz(a,h)anthracene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Dibenzofuran	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
1,2-Dichlorobenzene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
1,3-Dichlorobenzene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-2 7-9

Lab Sample ID: 310-142789-5

Date Collected: 10/29/18 13:30

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 81.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
3,3'-Dichlorobenzidine	<0.487		0.487		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2,4-Dichlorophenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Diethyl phthalate	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2,4-Dimethylphenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Dimethyl phthalate	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Di-n-butyl phthalate	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
4,6-Dinitro-2-methylphenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2,4-Dinitrophenol	<0.487	F1	0.487		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2,4-Dinitrotoluene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2,6-Dinitrotoluene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Di-n-octyl phthalate	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Fluoranthene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Fluorene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Hexachlorobenzene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Hexachlorobutadiene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Hexachlorocyclopentadiene	<0.487		0.487		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Hexachloroethane	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Indeno[1,2,3-cd]pyrene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Isophorone	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2-Methylnaphthalene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2-Methylphenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Methylphenol, 3 & 4	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Naphthalene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2-Nitroaniline	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
3-Nitroaniline	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
4-Nitroaniline	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Nitrobenzene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2-Nitrophenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
4-Nitrophenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
N-Nitrosodimethylamine	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
N-Nitrosodi-n-propylamine	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
N-Nitrosodiphenylamine	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Pentachlorophenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Phenanthrene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Phenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Pyrene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Pyridine	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
Total Cresols	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
1,2,4-Trichlorobenzene	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2,4,5-Trichlorophenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1
2,4,6-Trichlorophenol	<0.244		0.244		mg/Kg	☼	10/31/18 12:48	11/02/18 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		13 - 110	10/31/18 12:48	11/02/18 17:30	1
2-Fluorophenol (Surr)	69		10 - 110	10/31/18 12:48	11/02/18 17:30	1
Nitrobenzene-d5 (Surr)	60		10 - 110	10/31/18 12:48	11/02/18 17:30	1
Phenol-d6 (Surr)	71		10 - 110	10/31/18 12:48	11/02/18 17:30	1
Terphenyl-d14 (Surr)	91		10 - 110	10/31/18 12:48	11/02/18 17:30	1
2,4,6-Tribromophenol (Surr)	41		10 - 110	10/31/18 12:48	11/02/18 17:30	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.98		9.98		mg/Kg		11/02/18 12:14	11/05/18 16:03	1
Gasoline	<9.98		9.98		mg/Kg		11/02/18 12:14	11/05/18 16:03	1
Waste Oil	<9.98		9.98		mg/Kg		11/02/18 12:14	11/05/18 16:03	1
Total Extractable Hydrocarbons	<15.0		15.0		mg/Kg		11/02/18 12:14	11/05/18 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	80		10 - 123	11/02/18 12:14	11/05/18 16:03	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-3 0-2

Lab Sample ID: 310-142789-6

Date Collected: 10/29/18 14:00

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 89.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3.48		3.48		mg/Kg	☼	11/05/18 10:00	11/08/18 18:47	1
Barium	52.5		0.871		mg/Kg	☼	11/05/18 10:00	11/08/18 18:47	1
Cadmium	<0.871		0.871		mg/Kg	☼	11/05/18 10:00	11/08/18 18:47	1
Chromium	11.8		0.871		mg/Kg	☼	11/05/18 10:00	11/08/18 18:47	1
Lead	5.20		4.35		mg/Kg	☼	11/05/18 10:00	11/08/18 18:47	1
Selenium	<6.53		6.53		mg/Kg	☼	11/05/18 10:00	11/08/18 18:47	1
Silver	<0.871		0.871		mg/Kg	☼	11/05/18 10:00	11/08/18 18:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0186		0.0186		mg/Kg	☼	11/08/18 10:00	11/09/18 12:03	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-3 7-9

Date Collected: 10/29/18 14:00

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-8

Matrix: Soil

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.142		0.142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Benzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Bromobenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Bromochloromethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Bromodichloromethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Bromoform	<0.0284		0.0284		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Bromomethane	<0.0567		0.0567		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
2-Butanone (MEK)	<0.142		0.142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
n-Butylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
sec-Butylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
tert-Butylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Carbon disulfide	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Carbon tetrachloride	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Chlorobenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Chlorodibromomethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Chloroethane	<0.0567		0.0567		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Chloroform	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Chloromethane	<0.0567		0.0567		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
2-Chlorotoluene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
4-Chlorotoluene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2-Dibromo-3-Chloropropane	<0.142		0.142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2-Dibromoethane (EDB)	<0.142		0.142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Dibromomethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2-Dichlorobenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,3-Dichlorobenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,4-Dichlorobenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Dichlorodifluoromethane	<0.0426		0.0426		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,1-Dichloroethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2-Dichloroethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,1-Dichloroethene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
cis-1,2-Dichloroethene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
trans-1,2-Dichloroethene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2-Dichloropropane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,3-Dichloropropane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
2,2-Dichloropropane	<0.0567		0.0567		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,1-Dichloropropene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
cis-1,3-Dichloropropene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
trans-1,3-Dichloropropene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Ethylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Hexachlorobutadiene	<0.0709		0.0709		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Hexane	<0.0709		0.0709		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Isopropylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
p-Isopropyltoluene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Methylene Chloride	<0.142		0.142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Methyl tert-butyl ether	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Naphthalene	<0.0709		0.0709		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
N-Propylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Styrene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,1,1,2-Tetrachloroethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-3 7-9

Date Collected: 10/29/18 14:00

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-8

Matrix: Soil

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Tetrachloroethene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Toluene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2,3-Trichlorobenzene	<0.0709		0.0709		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2,4-Trichlorobenzene	<0.0709		0.0709		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,1,1-Trichloroethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,1,2-Trichloroethane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Trichloroethene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Trichlorofluoromethane	<0.0567		0.0567		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2,3-Trichloropropane	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,2,4-Trimethylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
1,3,5-Trimethylbenzene	<0.0142		0.0142		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Vinyl chloride	<0.0426		0.0426		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1
Xylenes, Total	<0.0426		0.0426		mg/Kg	☼	11/07/18 08:30	11/07/18 12:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120	11/07/18 08:30	11/07/18 12:17	1
Dibromofluoromethane (Surr)	102		80 - 120	11/07/18 08:30	11/07/18 12:17	1
Toluene-d8 (Surr)	99		80 - 120	11/07/18 08:30	11/07/18 12:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Acenaphthylene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Anthracene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzidine	<0.450		0.450		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzo[a]anthracene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzo[a]pyrene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzo[b]fluoranthene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzo[g,h,i]perylene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzoic acid	<1.13		1.13		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzo[k]fluoranthene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Benzyl alcohol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Bis(2-chloroethoxy)methane	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Bis(2-chloroethyl)ether	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
bis (2-chloroisopropyl) ether	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Bis(2-ethylhexyl) phthalate	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
4-Bromophenyl phenyl ether	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Butyl benzyl phthalate	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Carbazole	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
4-Chloroaniline	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
4-Chloro-3-methylphenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2-Chloronaphthalene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2-Chlorophenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
4-Chlorophenyl phenyl ether	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Chrysene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Dibenz(a,h)anthracene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Dibenzofuran	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
1,2-Dichlorobenzene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
1,3-Dichlorobenzene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-3 7-9

Date Collected: 10/29/18 14:00

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-8

Matrix: Soil

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
3,3'-Dichlorobenzidine	<0.450		0.450		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2,4-Dichlorophenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Diethyl phthalate	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2,4-Dimethylphenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Dimethyl phthalate	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Di-n-butyl phthalate	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
4,6-Dinitro-2-methylphenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2,4-Dinitrophenol	<0.450		0.450		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2,4-Dinitrotoluene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2,6-Dinitrotoluene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Di-n-octyl phthalate	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Fluoranthene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Fluorene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Hexachlorobenzene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Hexachlorobutadiene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Hexachlorocyclopentadiene	<0.450		0.450		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Hexachloroethane	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Indeno[1,2,3-cd]pyrene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Isophorone	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2-Methylnaphthalene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2-Methylphenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Methylphenol, 3 & 4	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Naphthalene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2-Nitroaniline	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
3-Nitroaniline	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
4-Nitroaniline	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Nitrobenzene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2-Nitrophenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
4-Nitrophenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
N-Nitrosodimethylamine	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
N-Nitrosodi-n-propylamine	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
N-Nitrosodiphenylamine	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Pentachlorophenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Phenanthrene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Phenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Pyrene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Pyridine	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
Total Cresols	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
1,2,4-Trichlorobenzene	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2,4,5-Trichlorophenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1
2,4,6-Trichlorophenol	<0.225		0.225		mg/Kg	☼	10/31/18 12:48	11/02/18 18:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	48		13 - 110	10/31/18 12:48	11/02/18 18:00	1
2-Fluorophenol (Surr)	52		10 - 110	10/31/18 12:48	11/02/18 18:00	1
Nitrobenzene-d5 (Surr)	44		10 - 110	10/31/18 12:48	11/02/18 18:00	1
Phenol-d6 (Surr)	54		10 - 110	10/31/18 12:48	11/02/18 18:00	1
Terphenyl-d14 (Surr)	75		10 - 110	10/31/18 12:48	11/02/18 18:00	1
2,4,6-Tribromophenol (Surr)	27		10 - 110	10/31/18 12:48	11/02/18 18:00	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.54		9.54		mg/Kg		11/02/18 12:14	11/05/18 16:18	1
Gasoline	<9.54		9.54		mg/Kg		11/02/18 12:14	11/05/18 16:18	1
Waste Oil	<9.54		9.54		mg/Kg		11/02/18 12:14	11/05/18 16:18	1
Total Extractable Hydrocarbons	<14.3		14.3		mg/Kg		11/02/18 12:14	11/05/18 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	67		10 - 123	11/02/18 12:14	11/05/18 16:18	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-4 0-2

Lab Sample ID: 310-142789-9

Date Collected: 10/29/18 14:30

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 89.0

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.98		7.98		mg/Kg	☼	11/05/18 10:00	11/12/18 22:58	2
Barium	28.0		1.99		mg/Kg	☼	11/05/18 10:00	11/12/18 22:58	2
Cadmium	<1.99		1.99		mg/Kg	☼	11/05/18 10:00	11/12/18 22:58	2
Chromium	8.25		1.99		mg/Kg	☼	11/05/18 10:00	11/12/18 22:58	2
Lead	<9.97		9.97		mg/Kg	☼	11/05/18 10:00	11/12/18 22:58	2
Selenium	<15.0		15.0		mg/Kg	☼	11/05/18 10:00	11/12/18 22:58	2
Silver	<1.99		1.99		mg/Kg	☼	11/05/18 10:00	11/12/18 22:58	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0593		0.0195		mg/Kg	☼	11/08/18 10:00	11/09/18 12:05	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-4 7-9

Lab Sample ID: 310-142789-11

Date Collected: 10/29/18 14:30

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.137		0.137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Benzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Bromobenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Bromochloromethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Bromodichloromethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Bromoform	<0.0274		0.0274		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Bromomethane	<0.0549		0.0549		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
2-Butanone (MEK)	<0.137		0.137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
n-Butylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
sec-Butylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
tert-Butylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Carbon disulfide	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Carbon tetrachloride	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Chlorobenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Chlorodibromomethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Chloroethane	<0.0549		0.0549		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Chloroform	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Chloromethane	<0.0549		0.0549		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
2-Chlorotoluene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
4-Chlorotoluene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2-Dibromo-3-Chloropropane	<0.137		0.137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2-Dibromoethane (EDB)	<0.137		0.137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Dibromomethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2-Dichlorobenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,3-Dichlorobenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,4-Dichlorobenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Dichlorodifluoromethane	<0.0411		0.0411		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,1-Dichloroethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2-Dichloroethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,1-Dichloroethene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
cis-1,2-Dichloroethene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
trans-1,2-Dichloroethene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2-Dichloropropane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,3-Dichloropropane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
2,2-Dichloropropane	<0.0549		0.0549		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,1-Dichloropropene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
cis-1,3-Dichloropropene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
trans-1,3-Dichloropropene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Ethylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Hexachlorobutadiene	<0.0686		0.0686		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Hexane	<0.0686		0.0686		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Isopropylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
p-Isopropyltoluene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Methylene Chloride	<0.137		0.137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Methyl tert-butyl ether	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Naphthalene	<0.0686		0.0686		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
N-Propylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Styrene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,1,1,2-Tetrachloroethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-4 7-9

Lab Sample ID: 310-142789-11

Date Collected: 10/29/18 14:30

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Tetrachloroethene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Toluene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2,3-Trichlorobenzene	<0.0686		0.0686		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2,4-Trichlorobenzene	<0.0686		0.0686		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,1,1-Trichloroethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,1,2-Trichloroethane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Trichloroethene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Trichlorofluoromethane	<0.0549		0.0549		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2,3-Trichloropropane	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,2,4-Trimethylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
1,3,5-Trimethylbenzene	<0.0137		0.0137		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Vinyl chloride	<0.0411		0.0411		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1
Xylenes, Total	<0.0411		0.0411		mg/Kg	☼	11/07/18 08:30	11/07/18 12:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120	11/07/18 08:30	11/07/18 12:41	1
Dibromofluoromethane (Surr)	102		80 - 120	11/07/18 08:30	11/07/18 12:41	1
Toluene-d8 (Surr)	100		80 - 120	11/07/18 08:30	11/07/18 12:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Acenaphthylene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Anthracene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzidine	<0.460		0.460		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzo[a]anthracene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzo[a]pyrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzo[b]fluoranthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzo[g,h,i]perylene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzoic acid	<1.15		1.15		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzo[k]fluoranthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Benzyl alcohol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Bis(2-chloroethoxy)methane	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Bis(2-chloroethyl)ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
bis (2-chloroisopropyl) ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Bis(2-ethylhexyl) phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
4-Bromophenyl phenyl ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Butyl benzyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Carbazole	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
4-Chloroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
4-Chloro-3-methylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2-Chloronaphthalene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2-Chlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
4-Chlorophenyl phenyl ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Chrysene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Dibenz(a,h)anthracene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Dibenzofuran	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
1,2-Dichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
1,3-Dichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-4 7-9

Lab Sample ID: 310-142789-11

Date Collected: 10/29/18 14:30

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 82.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
3,3'-Dichlorobenzidine	<0.460		0.460		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2,4-Dichlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Diethyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2,4-Dimethylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Dimethyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Di-n-butyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
4,6-Dinitro-2-methylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2,4-Dinitrophenol	<0.460		0.460		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2,4-Dinitrotoluene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2,6-Dinitrotoluene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Di-n-octyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Fluoranthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Fluorene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Hexachlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Hexachlorobutadiene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Hexachlorocyclopentadiene	<0.460		0.460		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Hexachloroethane	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Indeno[1,2,3-cd]pyrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Isophorone	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2-Methylnaphthalene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2-Methylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Methylphenol, 3 & 4	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Naphthalene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2-Nitroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
3-Nitroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
4-Nitroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Nitrobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2-Nitrophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
4-Nitrophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
N-Nitrosodimethylamine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
N-Nitrosodi-n-propylamine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
N-Nitrosodiphenylamine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Pentachlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Phenanthrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Phenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Pyrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Pyridine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
Total Cresols	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
1,2,4-Trichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2,4,5-Trichlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1
2,4,6-Trichlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 18:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		13 - 110	10/31/18 12:48	11/02/18 18:30	1
2-Fluorophenol (Surr)	58		10 - 110	10/31/18 12:48	11/02/18 18:30	1
Nitrobenzene-d5 (Surr)	54		10 - 110	10/31/18 12:48	11/02/18 18:30	1
Phenol-d6 (Surr)	62		10 - 110	10/31/18 12:48	11/02/18 18:30	1
Terphenyl-d14 (Surr)	85		10 - 110	10/31/18 12:48	11/02/18 18:30	1
2,4,6-Tribromophenol (Surr)	34		10 - 110	10/31/18 12:48	11/02/18 18:30	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.87		9.87		mg/Kg		11/02/18 12:14	11/05/18 16:33	1
Gasoline	<9.87		9.87		mg/Kg		11/02/18 12:14	11/05/18 16:33	1
Waste Oil	<9.87		9.87		mg/Kg		11/02/18 12:14	11/05/18 16:33	1
Total Extractable Hydrocarbons	<14.8		14.8		mg/Kg		11/02/18 12:14	11/05/18 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	74		10 - 123	11/02/18 12:14	11/05/18 16:33	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-5 0-2

Lab Sample ID: 310-142789-12

Date Collected: 10/29/18 14:35

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 87.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3.46		3.46		mg/Kg	☼	11/05/18 10:00	11/08/18 18:50	1
Barium	59.8		0.864		mg/Kg	☼	11/05/18 10:00	11/08/18 18:50	1
Cadmium	<0.864		0.864		mg/Kg	☼	11/05/18 10:00	11/08/18 18:50	1
Chromium	12.7		0.864		mg/Kg	☼	11/05/18 10:00	11/08/18 18:50	1
Lead	26.6		4.32		mg/Kg	☼	11/05/18 10:00	11/08/18 18:50	1
Selenium	<6.48		6.48		mg/Kg	☼	11/05/18 10:00	11/08/18 18:50	1
Silver	<0.864		0.864		mg/Kg	☼	11/05/18 10:00	11/08/18 18:50	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.158		0.0222		mg/Kg	☼	11/08/18 10:00	11/09/18 12:07	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-5 7-9

Lab Sample ID: 310-142789-14

Date Collected: 10/29/18 14:35

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.125		0.125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Benzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Bromobenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Bromochloromethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Bromodichloromethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Bromoform	<0.0250		0.0250		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Bromomethane	<0.0500		0.0500		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
2-Butanone (MEK)	<0.125		0.125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
n-Butylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
sec-Butylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
tert-Butylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Carbon disulfide	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Carbon tetrachloride	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Chlorobenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Chlorodibromomethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Chloroethane	<0.0500		0.0500		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Chloroform	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Chloromethane	<0.0500		0.0500		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
2-Chlorotoluene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
4-Chlorotoluene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2-Dibromo-3-Chloropropane	<0.125		0.125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2-Dibromoethane (EDB)	<0.125		0.125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Dibromomethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2-Dichlorobenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,3-Dichlorobenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,4-Dichlorobenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Dichlorodifluoromethane	<0.0375		0.0375		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,1-Dichloroethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2-Dichloroethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,1-Dichloroethene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
cis-1,2-Dichloroethene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
trans-1,2-Dichloroethene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2-Dichloropropane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,3-Dichloropropane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
2,2-Dichloropropane	<0.0500		0.0500		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,1-Dichloropropene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
cis-1,3-Dichloropropene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
trans-1,3-Dichloropropene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Ethylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Hexachlorobutadiene	<0.0625		0.0625		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Hexane	<0.0625		0.0625		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Isopropylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
p-Isopropyltoluene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Methylene Chloride	<0.125		0.125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Methyl tert-butyl ether	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Naphthalene	<0.0625		0.0625		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
N-Propylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Styrene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,1,1,2-Tetrachloroethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-5 7-9

Lab Sample ID: 310-142789-14

Date Collected: 10/29/18 14:35

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Tetrachloroethene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Toluene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2,3-Trichlorobenzene	<0.0625		0.0625		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2,4-Trichlorobenzene	<0.0625		0.0625		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,1,1-Trichloroethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,1,2-Trichloroethane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Trichloroethene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Trichlorofluoromethane	<0.0500		0.0500		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2,3-Trichloropropane	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,2,4-Trimethylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
1,3,5-Trimethylbenzene	<0.0125		0.0125		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Vinyl chloride	<0.0375		0.0375		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1
Xylenes, Total	<0.0375		0.0375		mg/Kg	☼	11/07/18 08:30	11/07/18 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		80 - 120	11/07/18 08:30	11/07/18 13:06	1
Dibromofluoromethane (Surr)	102		80 - 120	11/07/18 08:30	11/07/18 13:06	1
Toluene-d8 (Surr)	98		80 - 120	11/07/18 08:30	11/07/18 13:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Acenaphthylene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Anthracene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzidine	<0.459		0.459		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzo[a]anthracene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzo[a]pyrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzo[b]fluoranthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzo[g,h,i]perylene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzoic acid	<1.15		1.15		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzo[k]fluoranthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Benzyl alcohol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Bis(2-chloroethoxy)methane	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Bis(2-chloroethyl)ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
bis (2-chloroisopropyl) ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Bis(2-ethylhexyl) phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
4-Bromophenyl phenyl ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Butyl benzyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Carbazole	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
4-Chloroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
4-Chloro-3-methylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2-Chloronaphthalene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2-Chlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
4-Chlorophenyl phenyl ether	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Chrysene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Dibenz(a,h)anthracene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Dibenzofuran	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
1,2-Dichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
1,3-Dichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-5 7-9

Lab Sample ID: 310-142789-14

Date Collected: 10/29/18 14:35

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 81.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
3,3'-Dichlorobenzidine	<0.459		0.459		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2,4-Dichlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Diethyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2,4-Dimethylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Dimethyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Di-n-butyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
4,6-Dinitro-2-methylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2,4-Dinitrophenol	<0.459		0.459		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2,4-Dinitrotoluene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2,6-Dinitrotoluene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Di-n-octyl phthalate	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Fluoranthene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Fluorene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Hexachlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Hexachlorobutadiene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Hexachlorocyclopentadiene	<0.459		0.459		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Hexachloroethane	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Indeno[1,2,3-cd]pyrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Isophorone	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2-Methylnaphthalene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2-Methylphenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Methylphenol, 3 & 4	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Naphthalene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2-Nitroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
3-Nitroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
4-Nitroaniline	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Nitrobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2-Nitrophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
4-Nitrophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
N-Nitrosodimethylamine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
N-Nitrosodi-n-propylamine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
N-Nitrosodiphenylamine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Pentachlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Phenanthrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Phenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Pyrene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Pyridine	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
Total Cresols	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
1,2,4-Trichlorobenzene	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2,4,5-Trichlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1
2,4,6-Trichlorophenol	<0.230		0.230		mg/Kg	☼	10/31/18 12:48	11/02/18 19:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	74		13 - 110	10/31/18 12:48	11/02/18 19:01	1
2-Fluorophenol (Surr)	77		10 - 110	10/31/18 12:48	11/02/18 19:01	1
Nitrobenzene-d5 (Surr)	68		10 - 110	10/31/18 12:48	11/02/18 19:01	1
Phenol-d6 (Surr)	80		10 - 110	10/31/18 12:48	11/02/18 19:01	1
Terphenyl-d14 (Surr)	120	X	10 - 110	10/31/18 12:48	11/02/18 19:01	1
2,4,6-Tribromophenol (Surr)	47		10 - 110	10/31/18 12:48	11/02/18 19:01	1

TestAmerica Cedar Falls

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.41		9.41		mg/Kg		11/02/18 12:14	11/05/18 16:47	1
Gasoline	<9.41		9.41		mg/Kg		11/02/18 12:14	11/05/18 16:47	1
Waste Oil	<9.41		9.41		mg/Kg		11/02/18 12:14	11/05/18 16:47	1
Total Extractable Hydrocarbons	<14.1		14.1		mg/Kg		11/02/18 12:14	11/05/18 16:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	71		10 - 123	11/02/18 12:14	11/05/18 16:47	1

Client Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: Duplicate

Lab Sample ID: 310-142789-15

Date Collected: 10/29/18 00:00

Matrix: Soil

Date Received: 10/30/18 14:10

Percent Solids: 80.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<8.12		8.12		mg/Kg	☼	11/05/18 10:00	11/12/18 23:00	2
Barium	98.9		2.03		mg/Kg	☼	11/05/18 10:00	11/12/18 23:00	2
Cadmium	2.85		2.03		mg/Kg	☼	11/05/18 10:00	11/12/18 23:00	2
Chromium	10.7		2.03		mg/Kg	☼	11/05/18 10:00	11/12/18 23:00	2
Lead	157		10.1		mg/Kg	☼	11/05/18 10:00	11/12/18 23:00	2
Selenium	<15.2		15.2		mg/Kg	☼	11/05/18 10:00	11/12/18 23:00	2
Silver	<2.03		2.03		mg/Kg	☼	11/05/18 10:00	11/12/18 23:00	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.242		0.242		mg/Kg	☼	11/08/18 10:00	11/09/18 18:11	10

Definitions/Glossary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Surrogate Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (80-120)	DBFM (80-120)	TOL (80-120)
310-142789-5	SB-2 7-9	99	100	98
310-142789-8	SB-3 7-9	100	102	99
310-142789-11	SB-4 7-9	99	102	100
310-142789-14	SB-5 7-9	98	102	98

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (80-120)	DBFM (80-120)	TOL (80-120)
LCS 310-221609/2-A	Lab Control Sample	101	104	99
MB 310-221609/1-A	Method Blank	100	102	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (13-110)	2FP (10-110)	NBZ (10-110)	PHL6 (10-110)	TPHL (10-110)	TBP (10-110)
310-142789-5	SB-2 7-9	64	69	60	71	91	41
310-142789-5 MS	SB-2 7-9	65	66	59	71	85	59
310-142789-5 MSD	SB-2 7-9	71	71	63	73	95	58
310-142789-8	SB-3 7-9	48	52	44	54	75	27
310-142789-11	SB-4 7-9	60	58	54	62	85	34
310-142789-14	SB-5 7-9	74	77	68	80	120 X	47

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL6 = Phenol-d6 (Surr)

TPHL = Terphenyl-d14 (Surr)

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

Surrogate Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		FBP (13-110)	2FP (10-110)	NBZ (10-110)	PHL6 (10-110)	TPHL (10-110)	TBP (10-110)
LCS 310-220886/2-A	Lab Control Sample	64	62	56	66	88	57
MB 310-220886/1-A	Method Blank	51	53	48	54	81	46

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL6 = Phenol-d6 (Surr)
TPHL = Terphenyl-d14 (Surr)
TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		OTCN (10-123)					
310-142789-5	SB-2 7-9	80					
310-142789-8	SB-3 7-9	67					
310-142789-11	SB-4 7-9	74					
310-142789-14	SB-5 7-9	71					

Surrogate Legend

OTCN = n-Octacosane

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 (10-123)					
LCS 310-221172/2-A	Lab Control Sample	74					
MB 310-221172/1-A	Method Blank	85					

Surrogate Legend

OTCN = n-Octacosane

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: MB 310-221609/1-A

Matrix: Solid

Analysis Batch: 221563

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 221609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.109		0.109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Benzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Bromobenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Bromochloromethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Bromodichloromethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Bromoform	<0.0217		0.0217		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Bromomethane	<0.0435		0.0435		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
2-Butanone (MEK)	<0.109		0.109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
n-Butylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
sec-Butylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
tert-Butylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Carbon disulfide	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Carbon tetrachloride	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Chlorobenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Chlorodibromomethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Chloroethane	<0.0435		0.0435		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Chloroform	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Chloromethane	<0.0435		0.0435		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
2-Chlorotoluene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
4-Chlorotoluene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2-Dibromo-3-Chloropropane	<0.109		0.109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2-Dibromoethane (EDB)	<0.109		0.109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Dibromomethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2-Dichlorobenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,3-Dichlorobenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,4-Dichlorobenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Dichlorodifluoromethane	<0.0326		0.0326		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,1-Dichloroethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2-Dichloroethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,1-Dichloroethene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
cis-1,2-Dichloroethene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
trans-1,2-Dichloroethene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2-Dichloropropane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,3-Dichloropropane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
2,2-Dichloropropane	<0.0435		0.0435		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,1-Dichloropropene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
cis-1,3-Dichloropropene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
trans-1,3-Dichloropropene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Ethylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Hexachlorobutadiene	<0.0543		0.0543		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Hexane	<0.0543		0.0543		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Isopropylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
p-Isopropyltoluene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Methylene Chloride	<0.109		0.109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Methyl tert-butyl ether	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Naphthalene	<0.0543		0.0543		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
N-Propylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Styrene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: MB 310-221609/1-A

Matrix: Solid

Analysis Batch: 221563

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 221609

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,1,2,2-Tetrachloroethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Tetrachloroethene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Toluene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2,3-Trichlorobenzene	<0.0543		0.0543		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2,4-Trichlorobenzene	<0.0543		0.0543		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,1,1-Trichloroethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,1,2-Trichloroethane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Trichloroethene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Trichlorofluoromethane	<0.0435		0.0435		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2,3-Trichloropropane	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,2,4-Trimethylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
1,3,5-Trimethylbenzene	<0.0109		0.0109		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Vinyl chloride	<0.0326		0.0326		mg/Kg		11/07/18 06:30	11/07/18 07:16	1
Xylenes, Total	<0.0326		0.0326		mg/Kg		11/07/18 06:30	11/07/18 07:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120	11/07/18 06:30	11/07/18 07:16	1
Dibromofluoromethane (Surr)	102		80 - 120	11/07/18 06:30	11/07/18 07:16	1
Toluene-d8 (Surr)	100		80 - 120	11/07/18 06:30	11/07/18 07:16	1

Lab Sample ID: LCS 310-221609/2-A

Matrix: Solid

Analysis Batch: 221563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 221609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acetone	0.168	0.1499		mg/Kg		89	50 - 150
Benzene	0.0841	0.07795		mg/Kg		93	72 - 145
Bromobenzene	0.0841	0.07557		mg/Kg		90	74 - 121
Bromochloromethane	0.0841	0.07905		mg/Kg		94	76 - 147
Bromodichloromethane	0.0841	0.07750		mg/Kg		92	80 - 122
Bromoform	0.0841	0.07623		mg/Kg		91	80 - 127
2-Butanone (MEK)	0.168	0.1574		mg/Kg		94	50 - 150
n-Butylbenzene	0.0841	0.07856		mg/Kg		93	57 - 121
sec-Butylbenzene	0.0841	0.07643		mg/Kg		91	65 - 121
tert-Butylbenzene	0.0841	0.07703		mg/Kg		92	69 - 122
Carbon disulfide	0.0841	0.07676		mg/Kg		91	65 - 146
Carbon tetrachloride	0.0841	0.08117		mg/Kg		96	75 - 150
Chlorobenzene	0.0841	0.07470		mg/Kg		89	76 - 120
Chlorodibromomethane	0.0841	0.07920		mg/Kg		94	80 - 125
Chloroform	0.0841	0.07794		mg/Kg		93	71 - 143
2-Chlorotoluene	0.0841	0.07672		mg/Kg		91	71 - 120
4-Chlorotoluene	0.0841	0.07803		mg/Kg		93	67 - 121
1,2-Dibromo-3-Chloropropane	0.0841	0.07273	J	mg/Kg		86	50 - 150
1,2-Dibromoethane (EDB)	0.0841	0.07858	J	mg/Kg		93	80 - 123
Dibromomethane	0.0841	0.07954		mg/Kg		95	76 - 146
1,2-Dichlorobenzene	0.0841	0.07611		mg/Kg		90	67 - 120
1,3-Dichlorobenzene	0.0841	0.07554		mg/Kg		90	64 - 120

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: LCS 310-221609/2-A

Matrix: Solid

Analysis Batch: 221563

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 221609

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.0841	0.07654		mg/Kg		91	63 - 120
1,1-Dichloroethane	0.0841	0.07715		mg/Kg		92	74 - 144
1,2-Dichloroethane	0.0841	0.07714		mg/Kg		92	76 - 142
1,1-Dichloroethene	0.0841	0.07625		mg/Kg		91	67 - 150
cis-1,2-Dichloroethene	0.0841	0.07714		mg/Kg		92	72 - 146
trans-1,2-Dichloroethene	0.0841	0.07870		mg/Kg		94	71 - 145
1,2-Dichloropropane	0.0841	0.07873		mg/Kg		94	75 - 143
1,3-Dichloropropane	0.0841	0.07944		mg/Kg		94	76 - 145
2,2-Dichloropropane	0.0841	0.08402		mg/Kg		100	50 - 150
1,1-Dichloropropene	0.0841	0.07915		mg/Kg		94	71 - 145
cis-1,3-Dichloropropene	0.0841	0.07885		mg/Kg		94	78 - 124
trans-1,3-Dichloropropene	0.0841	0.07841		mg/Kg		93	79 - 124
Ethylbenzene	0.0841	0.07698		mg/Kg		91	73 - 120
Hexachlorobutadiene	0.0841	0.07870		mg/Kg		94	50 - 150
Hexane	0.0841	0.06071		mg/Kg		72	50 - 150
Isopropylbenzene	0.0841	0.07748		mg/Kg		92	72 - 123
p-Isopropyltoluene	0.0841	0.07585		mg/Kg		90	63 - 121
Methylene Chloride	0.0841	0.06301	J	mg/Kg		75	50 - 150
Methyl tert-butyl ether	0.0841	0.07933		mg/Kg		94	78 - 145
Naphthalene	0.0841	0.07862		mg/Kg		93	50 - 150
N-Propylbenzene	0.0841	0.07815		mg/Kg		93	68 - 121
Styrene	0.0841	0.07780		mg/Kg		92	73 - 123
1,1,1,2-Tetrachloroethane	0.0841	0.07749		mg/Kg		92	80 - 123
1,1,2,2-Tetrachloroethane	0.0841	0.07967		mg/Kg		95	79 - 126
Tetrachloroethene	0.0841	0.07710		mg/Kg		92	72 - 120
Toluene	0.0841	0.07599		mg/Kg		90	75 - 120
1,2,3-Trichlorobenzene	0.0841	0.07846		mg/Kg		93	50 - 150
1,2,4-Trichlorobenzene	0.0841	0.08150		mg/Kg		97	53 - 126
1,1,1-Trichloroethane	0.0841	0.08256		mg/Kg		98	73 - 150
1,1,2-Trichloroethane	0.0841	0.07792		mg/Kg		93	80 - 124
Trichloroethene	0.0841	0.07557		mg/Kg		90	71 - 145
1,2,3-Trichloropropane	0.0841	0.08132		mg/Kg		97	80 - 121
1,2,4-Trimethylbenzene	0.0841	0.08069		mg/Kg		96	61 - 120
1,3,5-Trimethylbenzene	0.0841	0.07738		mg/Kg		92	64 - 121
Xylenes, Total	0.168	0.1547		mg/Kg		92	72 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		80 - 120
Dibromofluoromethane (Surr)	104		80 - 120
Toluene-d8 (Surr)	99		80 - 120

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: MB 310-220886/1-A

Matrix: Solid

Analysis Batch: 221196

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 220886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Acenaphthylene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Anthracene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzidine	<0.386		0.386		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzo[a]anthracene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzo[a]pyrene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzo[b]fluoranthene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzo[g,h,i]perylene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzoic acid	<0.965		0.965		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzo[k]fluoranthene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Benzyl alcohol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Bis(2-chloroethoxy)methane	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Bis(2-chloroethyl)ether	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
bis (2-chloroisopropyl) ether	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Bis(2-ethylhexyl) phthalate	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
4-Bromophenyl phenyl ether	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Butyl benzyl phthalate	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Carbazole	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
4-Chloroaniline	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
4-Chloro-3-methylphenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2-Chloronaphthalene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2-Chlorophenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
4-Chlorophenyl phenyl ether	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Chrysene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Dibenz(a,h)anthracene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Dibenzofuran	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
1,2-Dichlorobenzene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
1,3-Dichlorobenzene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
1,4-Dichlorobenzene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
3,3'-Dichlorobenzidine	<0.386		0.386		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2,4-Dichlorophenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Diethyl phthalate	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2,4-Dimethylphenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Dimethyl phthalate	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Di-n-butyl phthalate	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
4,6-Dinitro-2-methylphenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2,4-Dinitrophenol	<0.386		0.386		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2,4-Dinitrotoluene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2,6-Dinitrotoluene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Di-n-octyl phthalate	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Fluoranthene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Fluorene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Hexachlorobenzene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Hexachlorobutadiene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Hexachlorocyclopentadiene	<0.386		0.386		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Hexachloroethane	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Indeno[1,2,3-cd]pyrene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Isophorone	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: MB 310-220886/1-A

Matrix: Solid

Analysis Batch: 221196

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 220886

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2-Methylphenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Methylphenol, 3 & 4	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Naphthalene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2-Nitroaniline	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
3-Nitroaniline	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
4-Nitroaniline	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Nitrobenzene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2-Nitrophenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
4-Nitrophenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
N-Nitrosodimethylamine	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
N-Nitrosodi-n-propylamine	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
N-Nitrosodiphenylamine	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Pentachlorophenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Phenanthrene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Phenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Pyrene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Pyridine	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
Total Cresols	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
1,2,4-Trichlorobenzene	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2,4,5-Trichlorophenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1
2,4,6-Trichlorophenol	<0.193		0.193		mg/Kg		10/31/18 12:48	11/02/18 15:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	51		13 - 110	10/31/18 12:48	11/02/18 15:28	1
2-Fluorophenol (Surr)	53		10 - 110	10/31/18 12:48	11/02/18 15:28	1
Nitrobenzene-d5 (Surr)	48		10 - 110	10/31/18 12:48	11/02/18 15:28	1
Phenol-d6 (Surr)	54		10 - 110	10/31/18 12:48	11/02/18 15:28	1
Terphenyl-d14 (Surr)	81		10 - 110	10/31/18 12:48	11/02/18 15:28	1
2,4,6-Tribromophenol (Surr)	46		10 - 110	10/31/18 12:48	11/02/18 15:28	1

Lab Sample ID: LCS 310-220886/2-A

Matrix: Solid

Analysis Batch: 221196

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 220886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	3.16	1.589		mg/Kg		50	25 - 110
Acenaphthylene	3.16	1.420		mg/Kg		45	26 - 110
Anthracene	3.16	1.755		mg/Kg		56	31 - 110
Benzo[a]anthracene	3.16	1.840		mg/Kg		58	33 - 110
Benzo[a]pyrene	3.16	1.851		mg/Kg		59	37 - 110
Benzo[b]fluoranthene	3.16	1.742		mg/Kg		55	33 - 110
Benzo[g,h,i]perylene	3.16	1.003		mg/Kg		32	29 - 110
Benzo[k]fluoranthene	3.16	1.914		mg/Kg		61	35 - 110
Benzyl alcohol	3.16	1.279		mg/Kg		40	19 - 110
Bis(2-chloroethoxy)methane	3.16	1.501		mg/Kg		47	20 - 110
Bis(2-chloroethyl)ether	3.16	1.465		mg/Kg		46	18 - 110
bis (2-chloroisopropyl) ether	3.16	1.345		mg/Kg		43	17 - 110

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: LCS 310-220886/2-A

Matrix: Solid

Analysis Batch: 221196

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 220886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	3.16	1.793		mg/Kg		57	28 - 110
4-Bromophenyl phenyl ether	3.16	1.765		mg/Kg		56	29 - 110
Butyl benzyl phthalate	3.16	1.807		mg/Kg		57	29 - 110
Carbazole	3.16	1.750		mg/Kg		55	31 - 110
4-Chloroaniline	3.16	1.007		mg/Kg		32	16 - 110
4-Chloro-3-methylphenol	3.16	1.695		mg/Kg		54	25 - 110
2-Chloronaphthalene	3.16	1.557		mg/Kg		49	25 - 110
2-Chlorophenol	3.16	1.628		mg/Kg		51	19 - 110
4-Chlorophenyl phenyl ether	3.16	1.662		mg/Kg		53	29 - 110
Chrysene	3.16	1.739		mg/Kg		55	34 - 110
Dibenz(a,h)anthracene	3.16	1.742		mg/Kg		55	33 - 110
Dibenzofuran	3.16	1.597		mg/Kg		50	28 - 110
1,2-Dichlorobenzene	3.16	1.460		mg/Kg		46	21 - 110
1,3-Dichlorobenzene	3.16	1.433		mg/Kg		45	21 - 110
1,4-Dichlorobenzene	3.16	1.431		mg/Kg		45	21 - 110
2,4-Dichlorophenol	3.16	1.697		mg/Kg		54	20 - 110
Diethyl phthalate	3.16	1.745		mg/Kg		55	31 - 110
2,4-Dimethylphenol	3.16	1.482		mg/Kg		47	19 - 110
Dimethyl phthalate	3.16	1.760		mg/Kg		56	30 - 110
Di-n-butyl phthalate	3.16	1.875		mg/Kg		59	34 - 110
4,6-Dinitro-2-methylphenol	6.32	3.190		mg/Kg		50	10 - 110
2,4-Dinitrophenol	6.32	2.670		mg/Kg		42	10 - 110
2,4-Dinitrotoluene	3.16	1.777		mg/Kg		56	29 - 110
2,6-Dinitrotoluene	3.16	1.737		mg/Kg		55	30 - 110
Di-n-octyl phthalate	3.16	1.960		mg/Kg		62	19 - 116
Fluoranthene	3.16	1.775		mg/Kg		56	35 - 110
Fluorene	3.16	1.632		mg/Kg		52	30 - 110
Hexachlorobenzene	3.16	1.771		mg/Kg		56	29 - 110
Hexachlorobutadiene	3.16	1.485		mg/Kg		47	22 - 110
Hexachlorocyclopentadiene	3.16	0.8579		mg/Kg		27	10 - 110
Hexachloroethane	3.16	1.388		mg/Kg		44	18 - 110
Indeno[1,2,3-cd]pyrene	3.16	1.111		mg/Kg		35	32 - 110
Isophorone	3.16	1.440		mg/Kg		46	23 - 110
2-Methylnaphthalene	3.16	1.643		mg/Kg		52	23 - 110
2-Methylphenol	3.16	1.610		mg/Kg		51	20 - 110
Methylphenol, 3 & 4	3.16	1.686		mg/Kg		53	20 - 110
Naphthalene	3.16	1.551		mg/Kg		49	20 - 110
2-Nitroaniline	3.16	1.477		mg/Kg		47	27 - 110
3-Nitroaniline	3.16	1.185		mg/Kg		37	28 - 110
4-Nitroaniline	3.16	1.307		mg/Kg		41	11 - 111
Nitrobenzene	3.16	1.509		mg/Kg		48	18 - 110
2-Nitrophenol	3.16	1.461		mg/Kg		46	14 - 110
4-Nitrophenol	6.32	3.044		mg/Kg		48	28 - 110
N-Nitrosodimethylamine	3.16	1.317		mg/Kg		42	16 - 110
N-Nitrosodi-n-propylamine	3.16	1.653		mg/Kg		52	22 - 110
N-Nitrosodiphenylamine	3.16	1.683		mg/Kg		53	28 - 110
Pentachlorophenol	6.32	3.194		mg/Kg		51	18 - 110
Phenanthrene	3.16	1.691		mg/Kg		53	31 - 110

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: LCS 310-220886/2-A

Matrix: Solid

Analysis Batch: 221196

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 220886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Phenol	3.16	1.561		mg/Kg		49	19 - 110
Pyrene	3.16	2.021		mg/Kg		64	32 - 110
Pyridine	6.32	2.138		mg/Kg		34	11 - 110
1,2,4-Trichlorobenzene	3.16	1.577		mg/Kg		50	20 - 110
2,4,5-Trichlorophenol	3.16	1.694		mg/Kg		54	26 - 110
2,4,6-Trichlorophenol	3.16	1.587		mg/Kg		50	25 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	64		13 - 110
2-Fluorophenol (Surr)	62		10 - 110
Nitrobenzene-d5 (Surr)	56		10 - 110
Phenol-d6 (Surr)	66		10 - 110
Terphenyl-d14 (Surr)	88		10 - 110
2,4,6-Tribromophenol (Surr)	57		10 - 110

Lab Sample ID: 310-142789-5 MS

Matrix: Soil

Analysis Batch: 221196

Client Sample ID: SB-2 7-9

Prep Type: Total/NA

Prep Batch: 220886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	<0.244		3.89	2.041		mg/Kg	☼	52	12 - 110
Acenaphthylene	<0.244		3.89	1.798		mg/Kg	☼	46	10 - 110
Anthracene	<0.244		3.89	2.124		mg/Kg	☼	55	10 - 110
Benzo[a]anthracene	<0.244		3.89	2.287		mg/Kg	☼	59	10 - 110
Benzo[a]pyrene	<0.244		3.89	2.335		mg/Kg	☼	60	10 - 110
Benzo[b]fluoranthene	<0.244		3.89	2.216		mg/Kg	☼	57	10 - 110
Benzo[g,h,i]perylene	<0.244		3.89	2.293		mg/Kg	☼	59	10 - 110
Benzo[k]fluoranthene	<0.244		3.89	2.190		mg/Kg	☼	56	10 - 110
Benzyl alcohol	<0.244		3.89	1.316		mg/Kg	☼	34	11 - 110
Bis(2-chloroethoxy)methane	<0.244		3.89	1.838		mg/Kg	☼	47	10 - 110
Bis(2-chloroethyl)ether	<0.244		3.89	1.866		mg/Kg	☼	48	14 - 110
bis (2-chloroisopropyl) ether	<0.244		3.89	1.790		mg/Kg	☼	46	12 - 110
Bis(2-ethylhexyl) phthalate	<0.244		3.89	2.314		mg/Kg	☼	59	10 - 110
4-Bromophenyl phenyl ether	<0.244		3.89	2.125		mg/Kg	☼	55	10 - 110
Butyl benzyl phthalate	<0.244		3.89	2.244		mg/Kg	☼	58	10 - 110
Carbazole	<0.244		3.89	2.154		mg/Kg	☼	55	10 - 110
4-Chloroaniline	<0.244		3.89	1.698		mg/Kg	☼	44	10 - 110
4-Chloro-3-methylphenol	<0.244		3.89	2.100		mg/Kg	☼	54	10 - 110
2-Chloronaphthalene	<0.244		3.89	1.950		mg/Kg	☼	50	13 - 110
2-Chlorophenol	<0.244		3.89	2.042		mg/Kg	☼	53	11 - 110
4-Chlorophenyl phenyl ether	<0.244		3.89	2.157		mg/Kg	☼	55	11 - 110
Chrysene	<0.244		3.89	2.183		mg/Kg	☼	56	10 - 110
Dibenz(a,h)anthracene	<0.244		3.89	2.624		mg/Kg	☼	67	10 - 110
Dibenzofuran	<0.244		3.89	2.064		mg/Kg	☼	53	10 - 110
1,2-Dichlorobenzene	<0.244		3.89	1.889		mg/Kg	☼	49	15 - 110
1,3-Dichlorobenzene	<0.244		3.89	1.837		mg/Kg	☼	47	16 - 110
1,4-Dichlorobenzene	<0.244		3.89	1.851		mg/Kg	☼	48	15 - 110
2,4-Dichlorophenol	<0.244		3.89	2.085		mg/Kg	☼	54	10 - 110

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: 310-142789-5 MS

Matrix: Soil

Analysis Batch: 221196

Client Sample ID: SB-2 7-9

Prep Type: Total/NA

Prep Batch: 220886

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diethyl phthalate	<0.244		3.89	2.169		mg/Kg	☼	56	10 - 110
2,4-Dimethylphenol	<0.244		3.89	1.841		mg/Kg	☼	47	10 - 110
Dimethyl phthalate	<0.244		3.89	2.125		mg/Kg	☼	55	10 - 110
Di-n-butyl phthalate	<0.244		3.89	2.247		mg/Kg	☼	58	10 - 110
4,6-Dinitro-2-methylphenol	<0.244		7.78	1.451		mg/Kg	☼	19	10 - 110
2,4-Dinitrophenol	<0.487	F1	7.78	0.5332	F1	mg/Kg	☼	7	10 - 110
2,4-Dinitrotoluene	<0.244		3.89	2.246		mg/Kg	☼	58	10 - 113
2,6-Dinitrotoluene	<0.244		3.89	2.140		mg/Kg	☼	55	10 - 110
Di-n-octyl phthalate	<0.244		3.89	2.517		mg/Kg	☼	65	10 - 116
Fluoranthene	<0.244		3.89	2.194		mg/Kg	☼	56	10 - 110
Fluorene	<0.244		3.89	2.127		mg/Kg	☼	55	11 - 110
Hexachlorobenzene	<0.244		3.89	2.207		mg/Kg	☼	57	10 - 110
Hexachlorobutadiene	<0.244		3.89	1.920		mg/Kg	☼	49	13 - 110
Hexachlorocyclopentadiene	<0.487		3.89	0.9989		mg/Kg	☼	26	10 - 110
Hexachloroethane	<0.244		3.89	1.767		mg/Kg	☼	45	10 - 110
Indeno[1,2,3-cd]pyrene	<0.244		3.89	2.202		mg/Kg	☼	57	10 - 110
Isophorone	<0.244		3.89	1.807		mg/Kg	☼	46	10 - 110
2-Methylnaphthalene	<0.244		3.89	2.060		mg/Kg	☼	53	11 - 110
2-Methylphenol	<0.244		3.89	2.105		mg/Kg	☼	54	10 - 110
Methylphenol, 3 & 4	<0.244		3.89	2.151		mg/Kg	☼	55	10 - 110
Naphthalene	<0.244		3.89	1.900		mg/Kg	☼	49	13 - 110
2-Nitroaniline	<0.244		3.89	1.885		mg/Kg	☼	48	10 - 110
3-Nitroaniline	<0.244		3.89	1.997		mg/Kg	☼	51	10 - 110
4-Nitroaniline	<0.244		3.89	1.867		mg/Kg	☼	48	10 - 111
Nitrobenzene	<0.244		3.89	1.899		mg/Kg	☼	49	10 - 110
2-Nitrophenol	<0.244		3.89	1.877		mg/Kg	☼	48	10 - 110
4-Nitrophenol	<0.244		7.78	3.533		mg/Kg	☼	45	10 - 112
N-Nitrosodimethylamine	<0.244		3.89	1.606		mg/Kg	☼	41	10 - 110
N-Nitrosodi-n-propylamine	<0.244		3.89	2.019		mg/Kg	☼	52	10 - 110
N-Nitrosodiphenylamine	<0.244		3.89	1.988		mg/Kg	☼	51	10 - 110
Pentachlorophenol	<0.244		7.78	2.553		mg/Kg	☼	33	10 - 110
Phenanthrene	<0.244		3.89	2.023		mg/Kg	☼	52	10 - 110
Phenol	<0.244		3.89	1.962		mg/Kg	☼	50	10 - 110
Pyrene	<0.244		3.89	2.499		mg/Kg	☼	64	10 - 130
Pyridine	<0.244		7.78	2.631		mg/Kg	☼	34	10 - 110
1,2,4-Trichlorobenzene	<0.244		3.89	1.919		mg/Kg	☼	49	13 - 110
2,4,5-Trichlorophenol	<0.244		3.89	2.138		mg/Kg	☼	55	10 - 110
2,4,6-Trichlorophenol	<0.244		3.89	1.991		mg/Kg	☼	51	10 - 110

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	65		13 - 110
2-Fluorophenol (Surr)	66		10 - 110
Nitrobenzene-d5 (Surr)	59		10 - 110
Phenol-d6 (Surr)	71		10 - 110
Terphenyl-d14 (Surr)	85		10 - 110
2,4,6-Tribromophenol (Surr)	59		10 - 110

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: 310-142789-5 MSD

Matrix: Soil

Analysis Batch: 221196

Client Sample ID: SB-2 7-9

Prep Type: Total/NA

Prep Batch: 220886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Acenaphthene	<0.244		3.85	2.221		mg/Kg	☼	58	12 - 110	8	40
Acenaphthylene	<0.244		3.85	1.908		mg/Kg	☼	50	10 - 110	6	40
Anthracene	<0.244		3.85	2.344		mg/Kg	☼	61	10 - 110	10	40
Benzo[a]anthracene	<0.244		3.85	2.442		mg/Kg	☼	63	10 - 110	7	40
Benzo[a]pyrene	<0.244		3.85	2.547		mg/Kg	☼	66	10 - 110	9	40
Benzo[b]fluoranthene	<0.244		3.85	2.373		mg/Kg	☼	62	10 - 110	7	40
Benzo[g,h,i]perylene	<0.244		3.85	2.408		mg/Kg	☼	63	10 - 110	5	40
Benzo[k]fluoranthene	<0.244		3.85	2.502		mg/Kg	☼	65	10 - 110	13	40
Benzyl alcohol	<0.244		3.85	1.419		mg/Kg	☼	37	11 - 110	7	40
Bis(2-chloroethoxy)methane	<0.244		3.85	2.000		mg/Kg	☼	52	10 - 110	8	40
Bis(2-chloroethyl)ether	<0.244		3.85	1.990		mg/Kg	☼	52	14 - 110	6	40
bis (2-chloroisopropyl) ether	<0.244		3.85	1.869		mg/Kg	☼	49	12 - 110	4	40
Bis(2-ethylhexyl) phthalate	<0.244		3.85	2.523		mg/Kg	☼	65	10 - 110	9	40
4-Bromophenyl phenyl ether	<0.244		3.85	2.322		mg/Kg	☼	60	10 - 110	9	40
Butyl benzyl phthalate	<0.244		3.85	2.402		mg/Kg	☼	62	10 - 110	7	40
Carbazole	<0.244		3.85	2.310		mg/Kg	☼	60	10 - 110	7	40
4-Chloroaniline	<0.244		3.85	1.718		mg/Kg	☼	45	10 - 110	1	40
4-Chloro-3-methylphenol	<0.244		3.85	2.262		mg/Kg	☼	59	10 - 110	7	40
2-Chloronaphthalene	<0.244		3.85	2.079		mg/Kg	☼	54	13 - 110	6	40
2-Chlorophenol	<0.244		3.85	2.192		mg/Kg	☼	57	11 - 110	7	40
4-Chlorophenyl phenyl ether	<0.244		3.85	2.256		mg/Kg	☼	59	11 - 110	5	40
Chrysene	<0.244		3.85	2.368		mg/Kg	☼	61	10 - 110	8	40
Dibenz(a,h)anthracene	<0.244		3.85	2.497		mg/Kg	☼	65	10 - 110	5	40
Dibenzofuran	<0.244		3.85	2.236		mg/Kg	☼	58	10 - 110	8	40
1,2-Dichlorobenzene	<0.244		3.85	2.028		mg/Kg	☼	53	15 - 110	7	40
1,3-Dichlorobenzene	<0.244		3.85	2.017		mg/Kg	☼	52	16 - 110	9	40
1,4-Dichlorobenzene	<0.244		3.85	1.996		mg/Kg	☼	52	15 - 110	8	40
2,4-Dichlorophenol	<0.244		3.85	2.109		mg/Kg	☼	55	10 - 110	1	40
Diethyl phthalate	<0.244		3.85	2.326		mg/Kg	☼	60	10 - 110	7	40
2,4-Dimethylphenol	<0.244		3.85	1.944		mg/Kg	☼	50	10 - 110	5	40
Dimethyl phthalate	<0.244		3.85	2.335		mg/Kg	☼	61	10 - 110	9	40
Di-n-butyl phthalate	<0.244		3.85	2.378		mg/Kg	☼	62	10 - 110	6	40
4,6-Dinitro-2-methylphenol	<0.244		7.71	1.526		mg/Kg	☼	20	10 - 110	5	40
2,4-Dinitrophenol	<0.487	F1	7.71	0.5411	F1	mg/Kg	☼	7	10 - 110	1	40
2,4-Dinitrotoluene	<0.244		3.85	2.222		mg/Kg	☼	58	10 - 113	1	40
2,6-Dinitrotoluene	<0.244		3.85	2.302		mg/Kg	☼	60	10 - 110	7	40
Di-n-octyl phthalate	<0.244		3.85	2.722		mg/Kg	☼	71	10 - 116	8	40
Fluoranthene	<0.244		3.85	2.399		mg/Kg	☼	62	10 - 110	9	40
Fluorene	<0.244		3.85	2.211		mg/Kg	☼	57	11 - 110	4	40
Hexachlorobenzene	<0.244		3.85	2.298		mg/Kg	☼	60	10 - 110	4	40
Hexachlorobutadiene	<0.244		3.85	2.036		mg/Kg	☼	53	13 - 110	6	40
Hexachlorocyclopentadiene	<0.487		3.85	1.093		mg/Kg	☼	28	10 - 110	9	40
Hexachloroethane	<0.244		3.85	1.869		mg/Kg	☼	49	10 - 110	6	40
Indeno[1,2,3-cd]pyrene	<0.244		3.85	2.495		mg/Kg	☼	65	10 - 110	12	40
Isophorone	<0.244		3.85	1.920		mg/Kg	☼	50	10 - 110	6	40
2-Methylnaphthalene	<0.244		3.85	2.224		mg/Kg	☼	58	11 - 110	8	40
2-Methylphenol	<0.244		3.85	2.154		mg/Kg	☼	56	10 - 110	2	40
Methylphenol, 3 & 4	<0.244		3.85	2.287		mg/Kg	☼	59	10 - 110	6	40

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: 310-142789-5 MSD

Matrix: Soil

Analysis Batch: 221196

Client Sample ID: SB-2 7-9

Prep Type: Total/NA

Prep Batch: 220886

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Naphthalene	<0.244		3.85	2.076		mg/Kg	☼	54	13 - 110	9	40
2-Nitroaniline	<0.244		3.85	2.002		mg/Kg	☼	52	10 - 110	6	40
3-Nitroaniline	<0.244		3.85	2.045		mg/Kg	☼	53	10 - 110	2	40
4-Nitroaniline	<0.244		3.85	1.813		mg/Kg	☼	47	10 - 111	3	40
Nitrobenzene	<0.244		3.85	1.992		mg/Kg	☼	52	10 - 110	5	40
2-Nitrophenol	<0.244		3.85	1.998		mg/Kg	☼	52	10 - 110	6	40
4-Nitrophenol	<0.244		7.71	3.327		mg/Kg	☼	43	10 - 112	6	40
N-Nitrosodimethylamine	<0.244		3.85	1.627		mg/Kg	☼	42	10 - 110	1	40
N-Nitrosodi-n-propylamine	<0.244		3.85	2.197		mg/Kg	☼	57	10 - 110	8	40
N-Nitrosodiphenylamine	<0.244		3.85	2.190		mg/Kg	☼	57	10 - 110	10	40
Pentachlorophenol	<0.244		7.71	2.489		mg/Kg	☼	32	10 - 110	3	40
Phenanthrene	<0.244		3.85	2.169		mg/Kg	☼	56	10 - 110	7	40
Phenol	<0.244		3.85	2.074		mg/Kg	☼	54	10 - 110	6	40
Pyrene	<0.244		3.85	2.641		mg/Kg	☼	69	10 - 130	6	40
Pyridine	<0.244		7.71	2.735		mg/Kg	☼	35	10 - 110	4	40
1,2,4-Trichlorobenzene	<0.244		3.85	2.055		mg/Kg	☼	53	13 - 110	7	40
2,4,5-Trichlorophenol	<0.244		3.85	2.109		mg/Kg	☼	55	10 - 110	1	40
2,4,6-Trichlorophenol	<0.244		3.85	2.050		mg/Kg	☼	53	10 - 110	3	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	71		13 - 110
2-Fluorophenol (Surr)	71		10 - 110
Nitrobenzene-d5 (Surr)	63		10 - 110
Phenol-d6 (Surr)	73		10 - 110
Terphenyl-d14 (Surr)	95		10 - 110
2,4,6-Tribromophenol (Surr)	58		10 - 110

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

Lab Sample ID: MB 310-221172/1-A

Matrix: Solid

Analysis Batch: 221333

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 221172

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	<9.50		9.50		mg/Kg		11/02/18 12:14	11/05/18 14:21	1
Gasoline	<9.50		9.50		mg/Kg		11/02/18 12:14	11/05/18 14:21	1
Waste Oil	<9.50		9.50		mg/Kg		11/02/18 12:14	11/05/18 14:21	1
Total Extractable Hydrocarbons	<14.3		14.3		mg/Kg		11/02/18 12:14	11/05/18 14:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Octacosane	85		10 - 123	11/02/18 12:14	11/05/18 14:21	1

TestAmerica Cedar Falls

QC Sample Results

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

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

Lab Sample ID: LCS 310-221172/2-A

Matrix: Solid

Analysis Batch: 221333

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 221172

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Diesel	126	77.26		mg/Kg		62	18 - 120
Surrogate	%Recovery	LCS Qualifier	Limits				
n-Octacosane	74		10 - 123				

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 310-221020/1-A

Matrix: Solid

Analysis Batch: 221977

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 221020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3.07		3.07		mg/Kg		11/05/18 10:00	11/08/18 18:05	1
Barium	<0.766		0.766		mg/Kg		11/05/18 10:00	11/08/18 18:05	1
Cadmium	<0.766		0.766		mg/Kg		11/05/18 10:00	11/08/18 18:05	1
Chromium	<0.766		0.766		mg/Kg		11/05/18 10:00	11/08/18 18:05	1
Lead	<3.83		3.83		mg/Kg		11/05/18 10:00	11/08/18 18:05	1
Selenium	<5.75		5.75		mg/Kg		11/05/18 10:00	11/08/18 18:05	1
Silver	<0.766		0.766		mg/Kg		11/05/18 10:00	11/08/18 18:05	1

Lab Sample ID: LCS 310-221020/2-A

Matrix: Solid

Analysis Batch: 221977

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 221020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	169	169.6		mg/Kg		100	80 - 120
Barium	84.6	77.25		mg/Kg		91	80 - 120
Cadmium	84.6	78.89		mg/Kg		93	80 - 120
Chromium	84.6	79.59		mg/Kg		94	80 - 120
Lead	169	173.6		mg/Kg		103	80 - 120
Selenium	338	316.9		mg/Kg		94	80 - 120
Silver	84.6	75.01		mg/Kg		89	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 310-221866/1-A

Matrix: Solid

Analysis Batch: 222024

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 221866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0184		0.0184		mg/Kg		11/08/18 10:00	11/09/18 19:09	1

Lab Sample ID: LCS 310-221866/2-A

Matrix: Solid

Analysis Batch: 222024

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 221866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.151	0.1708		mg/Kg		113	80 - 120

TestAmerica Cedar Falls

QC Association Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

GC/MS VOA

Analysis Batch: 221563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-5	SB-2 7-9	Total/NA	Soil	8260C	221609
310-142789-8	SB-3 7-9	Total/NA	Soil	8260C	221609
310-142789-11	SB-4 7-9	Total/NA	Soil	8260C	221609
310-142789-14	SB-5 7-9	Total/NA	Soil	8260C	221609
MB 310-221609/1-A	Method Blank	Total/NA	Solid	8260C	221609
LCS 310-221609/2-A	Lab Control Sample	Total/NA	Solid	8260C	221609

Prep Batch: 221609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-5	SB-2 7-9	Total/NA	Soil	5030B	
310-142789-8	SB-3 7-9	Total/NA	Soil	5030B	
310-142789-11	SB-4 7-9	Total/NA	Soil	5030B	
310-142789-14	SB-5 7-9	Total/NA	Soil	5030B	
MB 310-221609/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 310-221609/2-A	Lab Control Sample	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 220886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-5	SB-2 7-9	Total/NA	Soil	3546	
310-142789-8	SB-3 7-9	Total/NA	Soil	3546	
310-142789-11	SB-4 7-9	Total/NA	Soil	3546	
310-142789-14	SB-5 7-9	Total/NA	Soil	3546	
MB 310-220886/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-220886/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-142789-5 MS	SB-2 7-9	Total/NA	Soil	3546	
310-142789-5 MSD	SB-2 7-9	Total/NA	Soil	3546	

Analysis Batch: 221196

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-5	SB-2 7-9	Total/NA	Soil	8270D	220886
310-142789-8	SB-3 7-9	Total/NA	Soil	8270D	220886
310-142789-11	SB-4 7-9	Total/NA	Soil	8270D	220886
310-142789-14	SB-5 7-9	Total/NA	Soil	8270D	220886
MB 310-220886/1-A	Method Blank	Total/NA	Solid	8270D	220886
LCS 310-220886/2-A	Lab Control Sample	Total/NA	Solid	8270D	220886
310-142789-5 MS	SB-2 7-9	Total/NA	Soil	8270D	220886
310-142789-5 MSD	SB-2 7-9	Total/NA	Soil	8270D	220886

GC Semi VOA

Prep Batch: 221172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-5	SB-2 7-9	Total/NA	Soil	3546	
310-142789-8	SB-3 7-9	Total/NA	Soil	3546	
310-142789-11	SB-4 7-9	Total/NA	Soil	3546	
310-142789-14	SB-5 7-9	Total/NA	Soil	3546	
MB 310-221172/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-221172/2-A	Lab Control Sample	Total/NA	Solid	3546	

TestAmerica Cedar Falls

QC Association Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

GC Semi VOA (Continued)

Analysis Batch: 221333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-5	SB-2 7-9	Total/NA	Soil	OA-2	221172
310-142789-8	SB-3 7-9	Total/NA	Soil	OA-2	221172
310-142789-11	SB-4 7-9	Total/NA	Soil	OA-2	221172
310-142789-14	SB-5 7-9	Total/NA	Soil	OA-2	221172
MB 310-221172/1-A	Method Blank	Total/NA	Solid	OA-2	221172
LCS 310-221172/2-A	Lab Control Sample	Total/NA	Solid	OA-2	221172

Metals

Prep Batch: 221020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-1	SB-1 0-2	Total/NA	Soil	3050B	
310-142789-3	SB-2 0-2	Total/NA	Soil	3050B	
310-142789-6	SB-3 0-2	Total/NA	Soil	3050B	
310-142789-9	SB-4 0-2	Total/NA	Soil	3050B	
310-142789-12	SB-5 0-2	Total/NA	Soil	3050B	
310-142789-15	Duplicate	Total/NA	Soil	3050B	
MB 310-221020/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 310-221020/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 221866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-1	SB-1 0-2	Total/NA	Soil	7471B	
310-142789-3	SB-2 0-2	Total/NA	Soil	7471B	
310-142789-6	SB-3 0-2	Total/NA	Soil	7471B	
310-142789-9	SB-4 0-2	Total/NA	Soil	7471B	
310-142789-12	SB-5 0-2	Total/NA	Soil	7471B	
310-142789-15	Duplicate	Total/NA	Soil	7471B	
MB 310-221866/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 310-221866/2-A	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 221977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-6	SB-3 0-2	Total/NA	Soil	6010C	221020
310-142789-12	SB-5 0-2	Total/NA	Soil	6010C	221020
MB 310-221020/1-A	Method Blank	Total/NA	Solid	6010C	221020
LCS 310-221020/2-A	Lab Control Sample	Total/NA	Solid	6010C	221020

Analysis Batch: 222024

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-1	SB-1 0-2	Total/NA	Soil	7471B	221866
310-142789-3	SB-2 0-2	Total/NA	Soil	7471B	221866
310-142789-6	SB-3 0-2	Total/NA	Soil	7471B	221866
310-142789-9	SB-4 0-2	Total/NA	Soil	7471B	221866
310-142789-12	SB-5 0-2	Total/NA	Soil	7471B	221866
310-142789-15	Duplicate	Total/NA	Soil	7471B	221866
MB 310-221866/1-A	Method Blank	Total/NA	Solid	7471B	221866
LCS 310-221866/2-A	Lab Control Sample	Total/NA	Solid	7471B	221866

TestAmerica Cedar Falls

QC Association Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Metals (Continued)

Analysis Batch: 222368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-3	SB-2 0-2	Total/NA	Soil	6010C	221020
310-142789-9	SB-4 0-2	Total/NA	Soil	6010C	221020
310-142789-15	Duplicate	Total/NA	Soil	6010C	221020

Analysis Batch: 222382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-142789-1	SB-1 0-2	Total/NA	Soil	6010C	221020

Lab Chronicle

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-1 0-2

Date Collected: 10/29/18 13:20

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-1

Matrix: Soil

Percent Solids: 92.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221020	11/05/18 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		3	222382	11/13/18 16:30	CTB	TAL CF
Total/NA	Prep	7471B			221866	11/08/18 10:00	JNR	TAL CF
Total/NA	Analysis	7471B		1	222024	11/09/18 11:56	JNR	TAL CF

Client Sample ID: SB-2 0-2

Date Collected: 10/29/18 13:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-3

Matrix: Soil

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221020	11/05/18 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	222368	11/12/18 22:56	CTB	TAL CF
Total/NA	Prep	7471B			221866	11/08/18 10:00	JNR	TAL CF
Total/NA	Analysis	7471B		10	222024	11/09/18 18:09	JNR	TAL CF

Client Sample ID: SB-2 7-9

Date Collected: 10/29/18 13:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-5

Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			221172	11/02/18 12:14	EAM	TAL CF
Total/NA	Analysis	OA-2		1	221333	11/05/18 16:03	DLK	TAL CF

Client Sample ID: SB-2 7-9

Date Collected: 10/29/18 13:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-5

Matrix: Soil

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			221609	11/07/18 08:30	TCH	TAL CF
Total/NA	Analysis	8260C		1	221563	11/07/18 11:52	TCH	TAL CF
Total/NA	Prep	3546			220886	10/31/18 12:48	EAM	TAL CF
Total/NA	Analysis	8270D		1	221196	11/02/18 17:30	DMD	TAL CF

Client Sample ID: SB-3 0-2

Date Collected: 10/29/18 14:00

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-6

Matrix: Soil

Percent Solids: 89.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221020	11/05/18 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	221977	11/08/18 18:47	CTB	TAL CF
Total/NA	Prep	7471B			221866	11/08/18 10:00	JNR	TAL CF
Total/NA	Analysis	7471B		1	222024	11/09/18 12:03	JNR	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-3 7-9

Date Collected: 10/29/18 14:00

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-8

Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			221172	11/02/18 12:14	EAM	TAL CF
Total/NA	Analysis	OA-2		1	221333	11/05/18 16:18	DLK	TAL CF

Client Sample ID: SB-3 7-9

Date Collected: 10/29/18 14:00

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-8

Matrix: Soil

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			221609	11/07/18 08:30	TCH	TAL CF
Total/NA	Analysis	8260C		1	221563	11/07/18 12:17	TCH	TAL CF
Total/NA	Prep	3546			220886	10/31/18 12:48	EAM	TAL CF
Total/NA	Analysis	8270D		1	221196	11/02/18 18:00	DMD	TAL CF

Client Sample ID: SB-4 0-2

Date Collected: 10/29/18 14:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-9

Matrix: Soil

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221020	11/05/18 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	222368	11/12/18 22:58	CTB	TAL CF
Total/NA	Prep	7471B			221866	11/08/18 10:00	JNR	TAL CF
Total/NA	Analysis	7471B		1	222024	11/09/18 12:05	JNR	TAL CF

Client Sample ID: SB-4 7-9

Date Collected: 10/29/18 14:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-11

Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			221172	11/02/18 12:14	EAM	TAL CF
Total/NA	Analysis	OA-2		1	221333	11/05/18 16:33	DLK	TAL CF

Client Sample ID: SB-4 7-9

Date Collected: 10/29/18 14:30

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-11

Matrix: Soil

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			221609	11/07/18 08:30	TCH	TAL CF
Total/NA	Analysis	8260C		1	221563	11/07/18 12:41	TCH	TAL CF
Total/NA	Prep	3546			220886	10/31/18 12:48	EAM	TAL CF
Total/NA	Analysis	8270D		1	221196	11/02/18 18:30	DMD	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Client Sample ID: SB-5 0-2

Date Collected: 10/29/18 14:35

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-12

Matrix: Soil

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221020	11/05/18 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	221977	11/08/18 18:50	CTB	TAL CF
Total/NA	Prep	7471B			221866	11/08/18 10:00	JNR	TAL CF
Total/NA	Analysis	7471B		1	222024	11/09/18 12:07	JNR	TAL CF

Client Sample ID: SB-5 7-9

Date Collected: 10/29/18 14:35

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-14

Matrix: Soil

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			221172	11/02/18 12:14	EAM	TAL CF
Total/NA	Analysis	OA-2		1	221333	11/05/18 16:47	DLK	TAL CF

Client Sample ID: SB-5 7-9

Date Collected: 10/29/18 14:35

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-14

Matrix: Soil

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			221609	11/07/18 08:30	TCH	TAL CF
Total/NA	Analysis	8260C		1	221563	11/07/18 13:06	TCH	TAL CF
Total/NA	Prep	3546			220886	10/31/18 12:48	EAM	TAL CF
Total/NA	Analysis	8270D		1	221196	11/02/18 19:01	DMD	TAL CF

Client Sample ID: Duplicate

Date Collected: 10/29/18 00:00

Date Received: 10/30/18 14:10

Lab Sample ID: 310-142789-15

Matrix: Soil

Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221020	11/05/18 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	222368	11/12/18 23:00	CTB	TAL CF
Total/NA	Prep	7471B			221866	11/08/18 10:00	JNR	TAL CF
Total/NA	Analysis	7471B		10	222024	11/09/18 18:11	JNR	TAL CF

Laboratory References:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL (319)277-2401

Accreditation/Certification Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Laboratory: TestAmerica Cedar Falls

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
AIHA-LAP, LLC	IHLAP		101044	11-01-20
Georgia	State Program	4	IA100001 (OR)	09-29-19
Illinois	NELAP	5	200024	11-29-19
Iowa	State Program	7	007	12-01-19
Kansas	NELAP	7	E-10341	01-31-19
Minnesota	NELAP	5	019-999-319	12-31-18
Minnesota (Petrofund)	State Program	1	3349	08-22-19
North Dakota	State Program	8	R-186	09-29-18 *
Oregon	NELAP	10	IA100001	09-29-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Cedar Falls

Method Summary

Client: Impact7G, Inc
Project/Site: 1000-1006 South 4th Street

TestAmerica Job ID: 310-142789-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL CF
OA-2	Iowa - Extractable Petroleum Hydrocarbons (GC)	Iowa DNR	TAL CF
6010C	Metals (ICP)	SW846	TAL CF
7471B	Mercury (CVAA)	SW846	TAL CF
3050B	Preparation, Metals	SW846	TAL CF
3546	Microwave Extraction	SW846	TAL CF
5030B	Purge and Trap	SW846	TAL CF
7471B	Preparation, Mercury	SW846	TAL 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:

TAL CF = TestAmerica Cedar Falls, 704 Enterprise Drive, Cedar Falls, IA 50613, TEL (319)277-2401



310-142789 Chain of Custody

Cooler/Sample Receipt and Temperature Log Form

Client Information	
Client: <u>Impact 76</u>	
City/State: <u>Cedar Rapids, IA</u>	Project: <u>1000-1006 South 4th St</u>
Receipt Information	
Date/Time Received: <u>1/03/18 1410</u>	Received By: <u>TD</u>
Delivery Type: ☐ UPS ☐ FedEx ☐ FedEx Ground ☐ US Mail ☐ Spee-Dee ☐ TA Courier ☐ TA Field Services ☒ Client Drop-off ☐ Other: _____	
Condition of Cooler/Containers	
Sample(s) received in Cooler? ☒ Yes ☐ No	If yes: Cooler ID: <u>350116</u>
Multiple Coolers? ☐ Yes ☒ No	If yes: Cooler # _____ of _____
Cooler Custody Seals Present? ☒ Yes ☐ No	If yes: Cooler custody seals intact? ☒ Yes ☐ No
Sample Custody Seals Present? ☐ Yes ☒ No	If yes: Sample custody seals intact? ☐ Yes ☒ No
Trip Blank Present? ☐ Yes ☒ No	If yes: Which VOA samples are in cooler? ↓
Temperature Record	
Coolant: ☒ Wet ice ☐ Blue ice ☐ Dry ice ☐ Other: _____ ☐ NONE	
Thermometer ID: <u>N</u>	Correction Factor (°C): <u>0.0</u>
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature	
Uncorrected Temp (°C): <u>1.4</u>	Corrected Temp (°C): <u>1.4</u>
• Sample Container Temperature	
Container type(s) used: _____	
Uncorrected Temp (°C): _____	Corrected Temp (°C): _____
Exceptions Noted	
1) If temperature exceeds criteria, was sample(s) received same day of sampling? ☐ Yes ☐ No	
a) If yes: Is there evidence that the chilling process began? ☐ Yes ☐ 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?) ☐ Yes ☐ No	
NOTE: If yes, contact PM before proceeding. If no, proceed with login	
Additional Comments	
<u>* Sample ID SB-3 0-2, SB-4 0-2, SB-5 0-2 does not match COC. All samples are labeled SB-3 1-2, SB-4 1-2, SB-5 1-2</u>	

Client Name: Impact 76

Client #:

Address: 310 2nd ST

City/State/Zip Code: Coralville, Iowa 52241

Project Manager: Mike Fisher

Email Address: mfisher@impact76.com

Telephone Number: 515.473.6256

Sampler Name: (Print Name) Tamara Goodrich

Sampler Signature: Tamara Goodrich

Project Name: 1000-1006 Smith 4th ST

Project #:

Site/Location ID: Clinton State: Iowa

Report To: Mike Fisher

Invoice To: Mike Fisher

Quote #: PO#:

TAT Standard ☒ Rush (surcharges may apply)

Date Needed:

Fax Results: Y N

Email Results: ☒ Y ☐ N

SAMPLE ID

SB-1 0-2

SB-1 2-4

SB-2 0-2

SB-2 2-4

SB-2 7-9

SB-3 0-2

SB-3 2-4

SB-3 7-9

Date Sampled

Time Sampled

G = Grab, C = Composite

Field Filtered

Matrix

SL - Sludge DW - Drinking Water

GW - Groundwater S - Soil/Solid

WW - Wastewater Specify Other

Preservation & # of Containers

HNO₃

HCl

NaOH

H₂SO₄

Methanol

None

Other (Specify)

QC Deliverables

None

Level 2

(Batch QC)

Level 3

Level 4

Other:

REMARKS

LABORATORY COMMENTS:

Special Instructions:

Sample 10.29.18. Some Sample Mishandled 10.28.18

Relinquished By:

Relinquished By:

Relinquished By:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

Date:

Time:

**Cedar Falls Division
704 Enterprise Drive
Cedar Falls, IA 50613**

Phone 319-277-2401 or 800-750-2401
Fax 319-277-2425

**To assist us in using the proper analytical methods,
is this work being conducted for regulatory purposes?**
Compliance Monitoring

Client Name: Impact

Client #:

Address: 310 2nd ST

Project Name: 1000-1006 South 4th St

Address: 310 2nd ST

City/State/Zip Code: Coraville, Iowa

Project Manager: Mike Fisher

State: I chuk

Email Address: myfish@impact760.com

Report To: Mike Fisher

Telephone Number: 515.473.6256

Invoice To: Mike Diseno

Sampler Name: (Print Name) James

Quote #: _____ PO#: _____

Sampler Signature:

TAT		Analyze For:		QC Deliverables	
Standard	Rush (surcharges may apply)	Matrix	Preservation & # of Containers	None	Level 2
Date Needed:		SL - Sludge DW - Drinking Water	None	(Batch QC)	Level 3
Fax Results: Y N		GW - Groundwater S - Soil/Solid	Other (Specify) ICC	Level 4	Other:
Email Results: ☒ Y ☐ N		WW - Wastewater			
SAMPLE ID	Date Sampled	Time Sampled	Field Filtered		
SB-4 0-2	10.29.10	14:30			
SB-4 2-4		14:30			
SB-4 7-9		14:30			
SB-5 0-2		14:35			
SB-5 2-4		14:35			
SB-5 7-9		14:35			

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		Level 4

Matrix	Preservation & # of Containers	QC Deliverables
SL - Sludge DW - Drinking Water	ICC	Level 2
GW - Groundwater		Level 3
WW - Wastewater		

Login Sample Receipt Checklist

Client: Impact7G, Inc

Job Number: 310-142789-1

Login Number: 142789

List Source: TestAmerica Cedar Falls

List Number: 1

Creator: Spoerre, Autumn R

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
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.	True	
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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D

Borelogs/Monitoring Well Construction Details

Soil Boring Log And Monitoring Well Construction Diagram for: SB-1											
Facility Name: 1000-1006 4 th Street South				UST Registration No.: NA			LUST No.: NA				
Well Contractor Name: Impact7G					Drilling Method**: Direct Push						
Well Contractor Registration Number: 11103					Boring Depth (ft) x Diameter (in): 11 x 3.0						
Logged by: James Goodrich					Ground Surface Elevation (ASL):						
Start Date: 10.29.18			Finish Date: 10.29.18		Top of Casing Elevation (ASL):						
Depth (feet)	Well Construction Details			Sample		PID / FID PPM	USCS	Sample Descriptions: soil, color, classification, observation Example: Silty clay, dark gray, hard, moist, strong odor			
				No.	Type*						
0			Temporary Well	1	CC	0.0	GM	Crushed limestone surface			
1			0-1': SCH 40 1" ID PVC			0.0	SW	Fine to coarse sand with trace gravel, loose, dry			
2			1-11': 0.01" slotted SCH 40 PVC			0.0	SW				
3						0.0	SW				
4			(removed and backfilled with granular bentonite)					0.0	SM	Fine sand with silt, medium dense, dark brown, dry	
5								0.0	SM		
6								0.0	SM		
7								0.0	SM		
8								0.0	SM		
9								0.0	SM		
10						0.0	SM				
11	Probe refusal encountered at 11.1-feet bgs at the Dolomitic limestone bedrock horizon. Groundwater tot encountered while probing.						BR	Yellowish orange dolomitic bedrock rock flour and gravel			
* Sample Types: Split Spoon (SS) Continuous Core (CC)			** Drilling Method Options: Rotary Auger, Push Probe, Hand Auger, Air drilling, Hollow Stem Auger, Other (Describe)				Symbols to Use: v – Static Water Level s – sample collected bgs-below ground surface				
Observation Date:		10.29.18									
Time		13.20									
Static Water Level (ASL)		Dry									

Soil Boring Log And Monitoring Well Construction Diagram for: SB-2										
Facility Name: 1000-1006 4 th Street South				UST Registration No.: NA			LUST No.: NA			
Well Contractor Name: Impact7G				Drilling Method**: Direct Push						
Well Contractor Registration Number: 11103				Boring Depth (ft) x Diameter (in): 12 x 3.0						
Logged by: James Goodrich				Ground Surface Elevation (ASL):						
Start Date: 10.29.18		Finish Date: 10.29.18		Top of Casing Elevation (ASL):						
Depth (feet)	Well Construction Details			Sample		PID / FID PPM	USCS	Sample Descriptions: soil, color, classification, observation Example: Silty clay, dark gray, hard, moist, strong odor		
				No.	Type*					
0			Temporary Well 0-2': SCH 40 1" ID PVC	1	CC	0.0	GM	Crushed limestone surface		
1			2-12': 0.01" slotted SCH 40 PVC (removed and backfilled with granular bentonite)					0.0	Fill	Sand and gravel fill, loosed, dry, dark brown
2						0.0	Fill			
3						0.0	Fill			
4						0.0	Fill			
5						0.0	SM	Sand with silt, dry and loose		
6						0.0	SM			
7 ▼					2	CC	0.0	CL	Clay silt of low plasticity, very moist, orange yellow	
8								0.0	CL	Clay silt of low plasticity w/ sand, very moist, orange yellow
9					0.0	CL				
10					0.0	CL				
11						0.0	BR	Yellowish orange dolomitic bedrock rock flour and gravel		
12	Probe Refusal at 12.1-feet bgs Groundwater not collected due to insufficient volume of groundwater recharge in temp well.						BR			
* Sample Types: Split Spoon (SS) Continuous Core (CC)			** Drilling Method Options: Rotary Auger, Push Probe, Hand Auger, Air drilling, Hollow Stem Auger, Other (Describe)				Symbols to Use: v – Static Water Level s – sample collected bgs-below ground surface			
Observation Date:		10.29.18								
Time		13:40								
Static Water Level (bgs)		7'								

Soil Boring Log And Monitoring Well Construction Diagram for:						SB-3		
Facility Name: 1000-1006 4 th Street South				UST Registration No.: NA		LUST No.: NA		
Well Contractor Name: Impact7G				Drilling Method**: Push Probe				
Well Contractor Registration Number: 11103				Boring Depth (ft) x Diameter (in): 11 x 3.0				
Logged by: James Goodrich				Ground Surface Elevation (ASL):				
Start Date: 10.29.18		Finish Date: 10.29.18		Top of Casing Elevation (ASL):				
Depth (feet)	Well Construction Details			Sample		PID / FID PPM	USCS	Sample Descriptions: soil, color, classification, observation Example: Silty clay, dark gray, hard, moist, strong odor
				No.	Type*			
0			Temporary Well 0-1': SCH 40 1" ID PVC 1-11': 0.01" slotted SCH 40 PVC (removed and backfilled with granular bentonite)	1	CC	0.0	Conc.	Concrete covered surface
1						0.0	ML	Black silt of slight plasticity with trace gravel and sand, medium dens, dry
2						0.0	ML	
3						0.0	ML	
4						0.0	ML	
5				0.0	SM	Fine sand with silt, medium dense and dry		
6				0.0	SM			
7				2	CC		0.0	SM
8							0.0	SM
9 ▼							0.0	SM
10					0.0	ML	Depleted light gray silt of slight plasticity, moist, firm	
11	Probe Refusal at 11-feet bgs. Groundwater not collected due to insufficient volume of groundwater recharge in temp well.						BR	Yellowish orange dolomitic bedrock rock flour and gravel
* Sample Types: Split Spoon (SS) Continuous Core (CC)			** Drilling Method Options: Rotary Auger, Push Probe, Hand Auger, Air drilling, Hollow Stem Auger, Other (Describe)				Symbols to Use: v – Static Water Level s – sample collected bgs-below ground surface	
Observation Date:		10.29.18						
Time		14:00						
Static Water Level (bgs)		9'						

Soil Boring Log And Monitoring Well Construction Diagram for: SB-4							
Facility Name: 1000-1006 4 th Street South			UST Registration No.: NA		LUST No.: NA		
Well Contractor Name: Impact7G				Drilling Method**: Push Probe			
Well Contractor Registration Number: 11103				Boring Depth (ft) x Diameter (in): 10 x 3.0			
Logged by: James Goodrich				Ground Surface Elevation (ASL):			
Start Date: 10.29.18		Finish Date: 10.29.18		Top of Casing Elevation (ASL):			
Depth (feet)	Well Construction Details		Sample		PID / FID PPM	USCS	Sample Descriptions: soil, color, classification, observation Example: Silty clay, dark gray, hard, moist, strong odor
			No.	Type*			
0		Temporary Well	1	CC	0.0	Conc.	Concrete covered surface
1		0-1': SCH 40 1" ID PVC			0.0	SM	Fine sand with silt, medium dense and dry
2		1-11': 0.01" slotted SCH 40 PVC			0.0	SM	
3					0.0	SM	
4					0.0	SM	
5					0.0	SM	
6		(removed and backfilled with granular bentonite)			0.0	SM	
7 ▼			2	CC	0.0	SM	Fine sand with silt, medium dense, moist
8					0.0	SM	
9		0.0			SM		
10	Probe refusal encountered at 10.15-feet bgs at the Dolomitic limestone bedrock horizon. Groundwater not collected due to insufficient volume of groundwater recharge in temp well.				BR	Yellowish orange dolomitic bedrock rock flour and gravel	
* Sample Types: Split Spoon (SS) Continuous Core (CC)			** Drilling Method Options: Rotary Auger, Push Probe, Hand Auger, Air drilling, Hollow Stem Auger, Other (Describe)			Symbols to Use: v – Static Water Level s – sample collected bgs-below ground surface	
Observation Date:		10.29.18					
Time		14:20					
Static Water Level (bgs)		7'					

Soil Boring Log And Monitoring Well Construction Diagram for: SB-5									
Facility Name: 1000-1006 4 th Street South				UST Registration No.: NA			LUST No.: NA		
Well Contractor Name: Impact7G				Drilling Method**: Direct Push					
Well Contractor Registration Number: 11103				Boring Depth (ft) x Diameter (in): 11 x 3.0					
Logged by: James Goodrich				Ground Surface Elevation (ASL):					
Start Date: 10.29.18		Finish Date: 10.29.18		Top of Casing Elevation (ASL):					
Depth (feet)	Well Construction Details			Sample		PID / FID PPM	USCS	Sample Descriptions: soil, color, classification, observation Example: Silty clay, dark gray, hard, moist, strong odor	
				No.	Type*				
0			Temporary Well	1	CC	0.0	GM	Crushed limestone surface	
1			0-1': SCH 40 1" ID PVC			0.0	SM	Fine sand with silt, medium dense, dark brown, dry	
2			1-11': 0.01" slotted SCH 40 PVC	0.0	SM				
3			(removed and backfilled with granular bentonite)	0.0	SM				
4				0.0	SM				
5				0.0	SM				
6				0.0	SM				
7 ▼				0.0	SM	Fine sand with silt, medium dense, dark brown, moist			
8				0.0	SM				
9				0.0	SM				
10				0.0	SM				
11	Probe Refusal at 11.1-feet bgs. Groundwater not collected due to insufficient volume of groundwater recharge in temp well.					BR	Yellowish orange dolomitic bedrock rock flour and gravel		
* Sample Types: Split Spoon (SS) Continuous Core (CC)			** Drilling Method Options: Rotary Auger, Push Probe, Hand Auger, Air drilling, Hollow Stem Auger, Other (Describe)				Symbols to Use: v – Static Water Level s – sample collected bgs-below ground surface		
Observation Date:			10.29.18						
Time			13.20						
Static Water Level (ASL)			Dry						