

PHASE II ENVIRONMENTAL SITE ASSESSMENT

MID AMERICAN STEEL
92 NORTHERN PACIFIC AVENUE N
FARGO, NORTH DAKOTA

US EPA COOPERATIVE AGREEMENT NO.
BF-96849901-0
ACRES ID No.: 233741

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LIST OF ACRONYMS AND ABBREVIATIONS

AST	Aboveground Storage Tank
bgs	Below Ground Surface
City	City of Fargo
ESA	Environmental Site Assessment
eV	Electronvolt
FD	Field Duplicate
GP	Soil Boring Advanced Using a Geoprobe® Rig
GPS	Global Positioning System
iui	instrument units as isobutylene
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
mg/kg	Milligrams Per Kilogram
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NDDH	North Dakota Department of Health
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
PID	Photoionization Detector
PVC	Polyvinyl Chloride
QAPP	Quality Assurance Project Plan
QA/QC	Quality Assurance/Quality control
RCRA	Resource Conservation and Recovery Act
RD	Relative Difference
REC	Recognized Environmental Condition
RSL	Regional Screening Level
SSSAP	Site-Specific Sampling and Analysis Plan
Stantec	Stantec Consulting Services Inc.
TestAmerica	TestAmerica Laboratories, Inc.
TW	Temporary Monitoring Well
US EPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound(s)

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US EPA ASSESSMENT GRANTS FOR PETROLEUM AND HAZARDOUS SUBSTANCE BROWNFIELDS
PHASE II ESA – MID AMERICAN STEEL, 92 NORTHERN PACIFIC AVENUE N,
FARGO, NORTH DAKOTA
US EPA COOPERATIVE AGREEMENT NO. BF-96849901-0
AWARD DATE: AUGUST 26, 2016

This Phase II Environmental Site Assessment report was prepared by Stantec Consulting Services Inc. on behalf of the City of Fargo, North Dakota to document implementation of a site investigation at the parcels that makeup Mid American Steel located at 92 Northern Pacific Avenue N in Fargo, North Dakota.

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1.0 EXECUTIVE SUMMARY

During September 2017, Stantec Consulting Services Inc. (Stantec) Stantec personnel completed a Phase II Environmental Site Assessment (ESA) of the Mid American Steel property located at 96 Northern Pacific Avenue N (the Site or Property) in Fargo, North Dakota. The Property is comprised of four parcels totaling 10.4 acres with twenty buildings totaling approximately 102,560 square-feet. The purpose of the Phase II ESA was to evaluate if soil and groundwater at the Site was impacted from recognized environmental conditions (RECs) and other concerns identified during Stantec's July 2016 Phase I ESA (Stantec, 2016). The project was completed using funds from an assessment grant for hazardous substance brownfields awarded to the City of Fargo (the City) by the United States Environmental Protection Agency (US EPA) in 2016 under Cooperative Agreement No. BF-96849901-0. The US EPA approved the eligibility determination for the assessment of hazardous substances on April 17, 2017.

Field activities were completed in accordance with the Site-Specific Sampling and Analysis Plan (SSSAP), which was submitted to, and approved by, the US EPA on August 15, 2017. Midwestern Drilling, under the observation of an engineer from Stantec, advanced 20 soil borings at the Site. Soil samples were collected continuously from the boreholes. Surficial material at the Site generally consisted of three feet of gravel, sandy clay, sand, or concrete underlain by approximately four feet of interbedded layers of sand, sandy clay, sandy gravel, and silty sand. The upper discontinuous units are underlain by a continuous clay layer noted from approximately 7 feet to at least 30 feet below the ground surface (bgs) (the maximum depth explored). Sand and or silt was present within the borings at varying percentages and depths depicting discontinuous lenses of silt, sand, and sandy clay. Saturated soil was encountered in boreholes GP9, GP15, GP17, and GP18 at depths ranging from approximately 9 to 22 feet bgs.

Elevated photoionization detector (PID) readings and/or petroleum odors were observed in soil samples collected from GP3, GP6, GP10, GP12, GP17, GP19, and GP20 with the highest PID readings present in soil samples from GP6 at 5-6 feet bgs. The most notable petroleum odors and PID readings were recorded in silty and/or sandy clay near former/current aboveground storage tanks (ASTs) or petroleum storage areas.

This investigation has identified conditions indicative of a release of hazardous substances and petroleum. Residual heavy metal, polycyclic aromatic hydrocarbons (PAH) and volatile organic compound (VOC) impacts to soil exist across the Site with constituent concentrations greater than their respective US EPA Residential Regional Screening Levels (RSLs), Industrial RSLs, and Risk Based Soil Screening Level Protection of Groundwater values. The residual soil impacts appear primarily associated with historic Site features, and sampling confirms residual impacts extend into deeper native soils at several locations. Similarly, residual heavy metal impacts to groundwater have been documented at the Site; however, the spatial distribution of wells at the Site does not constitute a representative data set for groundwater.

Based on the results of this Phase II ESA, Stantec recommends additional investigation at the Site once a better understanding of the Site redevelopment plan is developed to accomplish the following objectives:

- Further evaluate the source(s) and extent of soil contamination at the Site;
- Develop a further understanding of groundwater quality and aquifer properties across the Site; and
- Conduct asbestos and regulated building material surveys on those structures that will be renovated or demolished.

2.0 BACKGROUND INFORMATION

The Site is located at 92 Northern Pacific Avenue N, Fargo, North Dakota, as shown in Figure 1, and is comprised of four contiguous parcels totaling 10.4 acres, as summarized in the table below:

Designation	Address	Tax Key #	Owner	Operator	Size	Zoning
Parcel 1	92 Northern Pacific Avenue N	01-2112-00021	City of Fargo	Mid American Steel, Inc	4.12 acres	C – Commercial
Parcel 2	92 Northern Pacific Avenue N	01-3508-00850	City of Fargo	Mid American Steel, Inc	3.97 acres	C – Commercial
Parcel 3	92 Northern Pacific Avenue N	01-3508-00800	City of Fargo	Mid American Steel, Inc	1.85 acres	C – Commercial
Parcel 4	92 Northern Pacific Avenue N	01-3508-00900	City of Fargo	Mid American Steel, Inc	0.51 acre	C – Commercial

The Site is currently an active steel fabrication facility and is located in an industrial/commercial corridor in downtown Fargo. Twenty buildings totaling approximately 102,560 square-feet are present and consist of the following: Warehouse, Miscellaneous Steel Cutting Shop, Sand Blasting Shop, Paint Shop, Shipping & Receiving, Plate & Miscellaneous Steel Fabrication Shop, Forming & Shearing Shop, Plate Work & Tank Fabrication Shop, Lobby & Offices, Tool Room, Machine Shop, Generator Room, Structural Steel Fabrication Shop #1, Structural Steel Fabrication Shop #2, Reinforcing Steel Fabrication Shop, Storage Building, Boiler Room, Weigh Scale House, Garage/Truck Storage, and Raw Material Storage/Shop. Raw material (steel, rebar) outdoor storage areas are located throughout the Site. Building locations and Site activities are presented on Figure 2.

Stantec completed a Phase I ESA at the Site on July 29, 2016 (Stantec, 2016), which identified the following RECs:

- The Ameripride Services/American Linen Services facility at 206 Northern Pacific Avenue N (499 feet west of the Site) is listed as an underground storage tank (UST) site, a Resource Conservation and Recovery Act (RCRA) non-generator, and a drycleaner site.
- The Petro Service gas station facility at 205 Northern Pacific Avenue N (511 feet west of the Site) is listed as an UST site. The facility is a filling station utilizing multiple USTs.
- The Site operated as the Fargo Foundry from 1905 to 1976 and as Mid American Steel (steel fabrication) from 1976 to present. Additionally, petroleum bulk oil and coal storage and painting operations were conducted at the Site.
- The historic and current use of the Site as a foundry, steel fabricator, petroleum bulk oil and bulk coal storage, and presence of a main rail line and several associated rail spurs.
- The presence of numerous USTs and ASTs used to store and dispense petroleum products on the Site.
- Painting operations and housekeeping practices associated with paint container storage on the Site.

Historic records reviewed in the Stantec Phase I ESA (Stantec, 2016) indicate that the original Site building was constructed in 1905, with additions completed in 1930, 1957, 1975, and 1986. The Site is not listed in the North Dakota Department of Health (NDDH) database for environmental spills/incidents, USTs, or leaking USTs (LUSTs). The City's Fire Department records summarized below indicate ASTs and USTs have been present at the Site since at least 1972:

- 4/9/90: Permit to install two 3,000-gallon ASTs for fuel dispensing.
- 4/9/90: Permit to remove two USTs.
- 4/11/90: ND UST Removal Observation form for removal of a 4,000-gallon gasoline UST.
- 8/21/90: One 3,000-gallon tank and one 10,000-gallon tank removed. A "Clean Hole" noted, with Mid American to clean and cut up tanks.
- 7/8/92: Permit to install a 3,000-gallon heating oil AST with secondary containment.
- 8/11/92: Permit to remove two heating oil USTs.
- 8/12/92: ND UST Removal Observation form for removal of a 10,000-gallon heating oil UST and a 14,000-gallon heating oil UST installed in 1972 and 1973, respectively. Petroleum contamination was detected at the time of removal. Contaminated soil was excavated and taken to landfill.

Common constituents associated with these environmental concerns include VOCs, PAHs, polychlorinated biphenyls (PCBs), and RCRA metals. To further evaluate the RECs listed above, Stantec prepared a SSSAP for the Site during August 2017 (Stantec, 2017b). The US EPA approved the SSSAP on August 15, 2017.

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3.0 DESCRIPTION OF INVESTIGATION

Field activities were completed in accordance with the SSSAP (Stantec, 2017b) and submitted to, and approved by, the US EPA on August 15, 2017.

3.1 SOIL BORING INSTALLATION AND SAMPLING

On September 11, 12, and 13, 2017, Midwestern Drilling advanced 20 soil boreholes (designated GP1 through GP20) under the supervision of Stantec personnel at the approximate location presented in the SSSAP. Soil borings were advanced with a track-mounted Geoprobe® using direct-push sampling methods. Boreholes extended up to 30 feet bgs. All probe drilling rods and soil sampling equipment were clean when brought on-site and were decontaminated between each borehole. Non-disposable soil sampling equipment was decontaminated with an Alconox® equivalent wash and water rinse prior to the collection of each soil sample. New disposable plastic "sleeve" liners were used for collection of each soil sample to minimize the potential for cross contamination between samples.

Soil samples were collected continuously from the ground surface to the bottom of each boring. Soil samples were visually and physically examined by the Stantec field engineer and observations made of the general lithology (percentages of gravel, sand, silt, and clay), visible layering, evidence of non-native fill/anthropogenic materials, indications of chemical or other staining, odors, and other distinctive features. Field observations are described on soil boring logs provided in Appendix A. Following sampling, boreholes GP9, GP15, GP17, and GP 18 were completed as temporary groundwater monitoring wells, as discussed in Section 3.2. Soil borings were properly plugged and abandoned by Midwestern Drilling following sampling. A copy of the completed North Dakota plugging report is included as Appendix B.

Portions of the soil from approximately every two-foot interval were field screened for the presence of VOCs using a PID equipped with an 11.7 electronvolt (eV) lamp and calibrated to 100 parts per million isobutylene gas calibration standard. Approximately three to six inches of soil core from each two-foot interval was placed into Ziploc® storage bags, sealed, labeled, and stored for a period of approximately one-half hour. The samples were tested by piercing the side of each Ziploc® bag with the tip of the PID probe and then recording the maximum meter reading within an approximate five second interval. PID data are included on the soil boring logs presented in Appendix A.

Two soil samples from each borehole, one from the near surface (i.e., less than four feet bgs) and one from four feet to the bottom of the boring were submitted for analysis. Selection of soil samples for laboratory analysis was based upon depth, moisture content, field observations and field screening readings, in accordance with rationale detailed in Stantec's SSSAP. Based on site observations and PIM measurements, three soil samples were submitted for laboratory analysis from GP19. Soil samples selected for analysis were placed directly into laboratory-supplied containers, preserved as appropriate, and immediately placed in a cooler on ice for shipping to TestAmerica Laboratories, Inc. in Cedar Falls, Iowa, under a chain of custody for analysis. Soil sample analyses included one or more of the following analytes and methods:

- PCBs – EPA Method SW8082
- The eight RCRA metals – EPA Method SW6010 and SW7471
- PAHs – EPA Method SW8270
- VOCs – EPA Method SW8260

In accordance with the SSSAP, two field duplicate samples (labeled DUP-01 and DUP-03) were collected as duplicates of samples GP14 (17'-19') and GP2 (18'-20'), respectively. In addition, two matrix spike/matrix spike duplicate (MS/MSD) volumes were collected from GP7 (14'-16') and GP13 (13'-15') as part of soil sampling activities. A trip blank was placed in each of the three coolers containing the soil samples and accompanied the samples to the laboratory.

On behalf of Stantec, the City's Department of Public Works conducted a Site survey to determine the horizontal and vertical position of each boring location. The survey data is summarized in Table 1. Soil boring locations are shown on Figure 3. All soil borings were properly plugged and abandoned by Midwestern Drilling following sampling. A copy of the completed North Dakota plugging report is included as Appendix B.

3.2 TEMPORARY WELL INSTALLATION AND GROUNDWATER SAMPLING

As illustrated on Figure 3 and on corresponding soil boring logs provided in Appendix A, soil borings GP9, GP15, GP17, and GP18 were completed as temporary groundwater monitoring wells (TWs). The TWs were constructed using 1-inch inner diameter (ID), schedule 40 polyvinyl chloride (PVC) casing, and 10-foot lengths of factory-slotted and pre-filter packed PVC screen (0.010-inch slot) positioned to intersect the water table.

On September 11 to 13, 2017, a low-flow sampling peristaltic pump was used to collect groundwater samples from TW9, TW15, TW17, and TW18 for laboratory analysis. Groundwater samples intended for analysis for RCRA metals were pumped unfiltered directly into unpreserved, laboratory-supplied containers. The samples for metal analysis were immediately placed in a cooler on ice and shipped via FedEx to TestAmerica Laboratories, Inc. in Cedar Falls, Iowa, under a chain of custody, where they were filtered and preserved prior to analysis for dissolved metals.

Groundwater samples collected for VOC analysis were poured directly into laboratory-supplied sample jars containing a hydrochloric acid preservative. Groundwater samples were immediately placed in a cooler on ice and shipped via FedEx to TestAmerica Laboratories in Cedar Falls, Iowa, under a chain of custody for analysis.

The groundwater samples were analyzed for pesticides/herbicides, PCBs, RCRA metals, PAHs, and VOCs using the methods described above. A duplicate groundwater sample (identified as DUP-02) from TW15 was also collected and analyzed. In addition, a "Trip Blank" sample was submitted to the laboratory for VOC analysis. Laboratory analytical reports are presented in Appendix C.

On behalf of Stantec, the City's Department of Public Works conducted a site survey to determine the horizontal and vertical position of each temporary well location. The survey data is summarized in Table 1. Temporary well locations are shown on Figure 3. Following sample collection, the well casings were removed and the soil borings were properly plugged and abandoned by Midwestern Drilling. A copy of the completed North Dakota plugging report is included as Appendix B.

4.0 APPLICABLE CLEAN-UP CRITERIA

Concentrations of contaminants detected in soil were evaluated based on their associated US EPA RSLs for soil at residential and industrial site classifications. In addition, Soil Screening Levels were utilized to evaluate migration to groundwater using risk-based values. Concentrations of contaminants detected in groundwater were evaluated based on their associated US EPA Maximum Contaminant Levels (MCLs) (US EPA, June 2017).

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5.0 RESULTS OF INVESTIGATION

5.1 SUBSURFACE CONDITIONS

As illustrated on boring logs provided in Appendix A, surficial material (0-3 feet bgs) at the Site consists of gravel, sandy clay, sand, or concrete. The soil lithology beneath the surficial material consists of several interbedded layers of sand, sandy clay, sandy gravel, and silty sand extending from the near-surface to approximately 7 feet bgs. The upper discontinuous units are underlain by a continuous clay unit noted from approximately 7 feet to 30 feet bgs (the maximum depth explored). Sand and/or silt was present within the borings at varying percentages and depths depicting discontinuous lenses of silt, sand, and sandy clay. Saturated soil was encountered in boreholes GP9, GP15, GP17, and GP18.

5.2 FIELD SCREENING RESULTS

Elevated (greater than 20 instrument units as isobutylene[iui]) PID readings and/or petroleum odors were observed in soil samples collected from GP3, GP6, GP10, GP12, GP17, GP19, and GP20, with the highest PID readings present in soil samples from GP6 at 5-6 feet bgs. The most notable petroleum odors and PID readings were recorded in silty and/or sandy clay near former/current ASTs or petroleum storage areas. No petroleum odors or PID readings of less than 5 iui were recorded in soil samples collected from GP1, GP4, GP5, GP7, GP11, GP13, GP14, and GP-15. PID readings are included on the soil boring logs presented in Appendix A.

5.3 SOIL ANALYTICAL RESULTS

Soil analytical results are summarized in Table 2. The soil laboratory analytical report and chain-of-custody form is included in Appendix C.

RCRA Metals

As summarized in the table below and detailed in Table 2, the concentrations of one or more RCRA metals exceeded the protection of groundwater RSL in every sample except GP1 (0-2). In addition, the concentrations of lead and arsenic in soil exceeded the Residential RSL, and/or the Industrial RSL, as summarized on the following table:

Constituent	Exposure Pathway Exceeded in Soil Samples?			
	Arsenic Exceeds Residential RSL	Arsenic Exceeds Industrial RSL	Lead Exceeds Residential RSL	Lead Exceeds Industrial RSL
GP1	No	No	No	No
GP2	<u>YES</u>	<u>YES</u>	No	No
GP3	No	No	No	No
GP4	No	No	No	No
GP5	No	No	No	No
GP6	<u>YES</u>	<u>YES</u>	No	No
GP7	No	No	No	No
GP8	No	No	No	No
GP9	<u>YES</u>	<u>YES</u>	No	No
GP10	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
GP11	<u>YES</u>	<u>YES</u>	No	No
GP12	No	No	No	No
GP13	<u>YES</u>	<u>YES</u>	No	No
GP14	<u>YES</u>	<u>YES</u>	No	No
GP15	No	No	No	No
GP16	<u>YES</u>	<u>YES</u>	No	No
GP17	<u>YES</u>	<u>YES</u>	No	No
GP18	<u>YES</u>	<u>YES</u>	No	No
GP19	<u>YES</u>	<u>YES</u>	<u>YES</u>	<u>YES</u>
GP20	<u>YES</u>	<u>YES</u>	No	No

PAHs

As summarized on Table 2, the concentrations of one or more PAHs exceeded the protection of groundwater RSL in every borehole except GP4 and GP14. In addition, the concentrations of one or more PAHs in soil exceeded the Residential RSL, and/or the Industrial RSL, in the following samples:

GP2 (1'-2'), GP3 (2'-4'), GP6 (0'-2'), GP6 (5'-6'), GP7 (0'-2'), GP8 (0'-2'), GP9 (0'-2'), GP10 (1'-2'), GP11 (1'-2'), GP13 (0'-2'), GP15 (2'-3'), GP16 (12'-14'), GP17 (0'-2'), GP18 (0'-2'), GP19 (0'-2'), and GP19 (6.5'-7').

VOCs

The concentrations of all VOCs were less than Residential and Industrial RSLs; however, samples from GP1, GP2, GP11, and GP12 contained VOCs at concentrations that exceeded the risk-based soil screening levels for the protection of groundwater.

5.4 GROUNDWATER ANALYTICAL RESULTS

As noted in Table 4, the concentrations of dissolved arsenic in groundwater at temporary monitoring wells TW15 and TW18 exceeded a National Primary Drinking Water Standard MCL. Additional dissolved metals were detected; however, their respective concentrations remain below regulatory standards.

PAHs were not detected above their respective laboratory detection limits in any groundwater sample. Select VOCs were detected in groundwater samples; however, none of the detected concentrations exceeded US EPA Drinking Water Standards/MCLs. VOC concentrations also did not exceed method detection limits in the trip blank. Groundwater analytical results are summarized in Table 4. The groundwater laboratory analytical report and chain-of-custody form is included in Appendix C.

5.5 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC)

Analysis was conducted at the TestAmerica Laboratories, Inc. laboratory in Cedar Falls, Iowa. As noted in the project Quality Assurance Project Plan (QAPP) (Stantec, 2017a), field duplicate and MS/MSD samples will be used to evaluate the quality of data collected during implementation of the Assessment Grant. A statistic commonly used to evaluate the precision of measurements is relative difference (RD). To compare sample measurement results to field duplicate results, the RD was calculated per the following equation:

$$RD (\%) = \frac{(C_1 - C_2)}{\left[\frac{(C_1 + C_2)}{2} \right]} \times 100$$

Where C_1 and C_2 are concentrations in the sample and in the field duplicate sample, respectively. An RD of 0% indicates the two measurements are equal, while a larger RD indicates an increasing difference between the two measurements. Generally, a RD greater than 40% in soil indicates a poor correlation between samples. In cases where either the sample value or field duplicate value was less than the laboratory reporting limit, an RD could not be calculated. Additional quality assurance data provided by TestAmerica is also included in this evaluation. A quality assurance analysis of data for duplicate soil samples is presented in Table 3.

5.5.1 Soil

The RD values were calculated for RCRA metals and VOCs detected in soil sample and duplicate sample collected from GP2 and GP14. The concentrations of constituents in the field sample GP2 (18'-20') and the corresponding field duplicate (DUP-03) are nearly identical, and no false-positive nor false-negative results were made. Concentrations of constituents in the field sample GP14 (17'-19') and the corresponding field duplicate (DUP-01) are nearly identical, except for mercury whose relative difference was 30%. Although it falls within an acceptable range, marginal variability could exist between the two samples, and caution should be taken in making remedial decisions based on individual sample data.

Trip blanks TB1, TB2 and TB3, along with the following soil samples; GP20 (0'-2'), GP20 (15'-17'), GP11 (1'-2'), GP11(12'-14'), GP-8 (5'-7'), and DUP-03 contained concentrations of chloroform ranging from 0.102 to 0.151 milligrams per kilogram (mg/kg). Chloroform was not detected in any groundwater samples, nor within the trip blank associated with water samples. Although concentrations were reported in soil at the Site, the presence of apparent detections are considered suspect by Stantec. It also should be noted that concentrations of chloroform are below US EPA Region 8 Residential RSLs.

Stantec submitted a MS and MSD sample for laboratory analysis of VOCs, PAHs, and RCRA Metals from samples collected at GP7 (14'-16') and GP13 (13'-15'). All samples were within the MS/MSD recovery acceptance and/or control limits. The laboratory analysis QA/QC summary is summarized in Table 3.

5.5.2 Groundwater

A field duplicate sample DUP-02 was collected from TW15. No false positive detections were identified between the sample and field duplicate. VOCs were not present in the trip blank above their respective laboratory detection limits.

The RD values were calculated for dissolved RCRA metals and VOCs detected in the groundwater sample and duplicate sample collected from TW15. The RD for all detected metals was less than 5%, except for lead (49%). The RD value for acetone in TW15 was greater than 25%, suggesting moderate variability could exist in the distribution of VOCs within a single duplicate sample set; however, no other VOC was detected above their respective laboratory detection limits in TW15. Acetone is also a common laboratory artifact. Caution should be taken in making remedial decisions based on individual sample data. Laboratory analysis QA/QC summary is summarized in Table 3.

5.6 RECEPTOR SURVEY

During January 2018, Stantec completed a comprehensive site receptor survey in accordance with NDDH guidelines. The purpose of the receptor survey was to identify the locations of potential receptors, existing or former ASTs or USTs, and associated lines and dispensers, wells, and above and below grade structures. Based on NDDH receptors survey guidelines, Stantec completed the following activities:

- Reviewed the ND State Water Commission MapServices database and site reconnaissance to identify drinking water wells within a 1,000-foot radius of the Site;
- Reviewed aerial photographs, City of Fargo utility database, and site reconnaissance to identify surface waters, wetlands, basements, and public and private utilities within a 250-foot radius of the Site;
- Site reconnaissance to identify the location and use of properties adjacent to the Site; and
- Site reconnaissance to screen potentially impacted receptors within a 250-foot radius of the Site for methane, oxygen, carbon monoxide, hydrogen sulfide, and VOCs with a properly calibrated field instrument (RKI, GX-6000 Four-Gas Meter and PID).

As illustrated on Figure 4, Stantec screened a total of 22 locations, including storm water catch basins, utility manholes, and on-site below grade structures. Screening was not conducted within non-vented utility manholes, storm water catch basins obstructed by plowed snow, or below grade structures on adjacent properties.

5.6.1 Receptor Survey Results

During the comprehensive receptor survey conducted in January 2018, Stantec made the following observations:

- As illustrated on Figure 4, underground utilities within a 250-foot radius of the Site include City water, storm sewer, and sanitary sewer lines;
- As illustrated on Figure 4, no water wells (drinking or non-drinking) were identified within a 1,000-foot radius of the Site;
- As illustrated on Figure 5, adjacent properties within a 250-foot radius of the Site are used for commercial purposes, and include Case Plaza (offices), Petroservice USA, Collectors World, Open Doors 5, Vogel Law, Ameripride, and Mid-States Storage;
- As illustrated on Figure 5, the Red River, located approximately 100 feet east of the Site, was identified as a surface water receptor. No other surface water or wetland areas were identified within a 250-foot radius of the Site; and
- No indications of impacted receptors were identified during screening activities conducted at the Site. The screening locations are illustrated on Figure 6, and screening results are presented in Table 6.

6.0 CONCLUSIONS, RECOMMENDATIONS, AND LIMITATIONS

As illustrated on boring logs provided in Appendix A, surficial material (0 to 3 feet bgs) at the Site consists of gravel, sandy clay, sand, or concrete. The soil lithology beneath the surficial material consists of interbedded layers of sand, sandy clay, sandy gravel, and silty sand extending from the near-surface to approximately 7 feet bgs. The upper discontinuous units are underlain by a continuous clay unit noted from approximately 7 to at least 30 feet bgs (the maximum depth explored). Sand and/or silt was present within the borings at varying percentages and depths depicting discontinuous lenses of silt, sand, and sandy clay. Saturated soil was encountered in boreholes GP9, GP15, GP17, and GP18.

Elevated PID readings (greater than 20 iui) and/or petroleum odors were observed in soil samples collected from GP3, GP6, GP10, GP12, GP17, GP19, and GP20 with the highest PID readings present in soil samples from GP6 at 5-6 feet bgs. The most notable petroleum odors and PID readings were recorded in silty and/or sandy clay near former/current ASTs or petroleum storage areas. No petroleum odors and PID readings of less than 5 iui were recorded in soil samples collected from GP1, GP4, GP5, GP7, GP11, GP13, GP14, and GP-15.

This investigation has identified conditions indicative of a release of hazardous substances and petroleum. Residual heavy metal, PAH and VOC impacts to soil exist across the Site, with constituent concentrations greater than their respective Residential RSLs, Industrial RSLs, and Risk Based Soil Screening Level Protection of Groundwater values. The residual soil impacts appear primarily associated with historic site features, and sampling confirms residual impacts extend into deeper native soils at several locations. Similarly, residual heavy metal impacts to groundwater have been documented at the Site; however, the spatial distribution of wells at the Site does not constitute a representative data set for groundwater.

Based on the results of this Phase II ESA, Stantec recommends additional investigation at the Site once a better understanding of the site redevelopment plans is developed to accomplish the following objectives:

- Further evaluate the source(s) and extent of soil contamination at the Site;
- Develop a further understanding of groundwater quality and aquifer properties across the Site; and
- Conduct asbestos and regulated building material surveys on those structures that will be renovated or demolished.

LIMITATIONS

The Phase II ESA was performed in accordance with generally accepted practices for the environmental consulting profession. Stantec observed the degree of care and skill that are generally exercised by the profession under similar circumstances and conditions. No other warranty is expressed or implied.

Stantec's observations, findings, and opinions should not be considered as scientific certainties but only as opinion based on our professional judgment concerning the significance of the data gathered during this investigation. Specifically, Stantec cannot represent that the Property does not contain any hazardous or toxic materials or other latent conditions beyond that observed by Stantec during the investigation. Additionally, due to limitations of this investigation process and the necessary use of data furnished by others, Stantec and its subcontractors cannot assume liability if actual conditions differ from the information presented in this report.

7.0 REFERENCES

Stantec, 2016. Stantec Consulting Services Inc. (Stantec) "Phase I Environmental Site Assessment, Mid American Steel, 92 Northern Pacific Avenue N, Fargo, North Dakota," July 29, 2016.

Stantec, 2017a. Stantec Consulting Services Inc., 2017, "Quality Assurance Project Plan (Revision 0), Implementation of U.S. EPA Assessment Grants for Petroleum and Hazardous Substance Brownfields, Fargo, North Dakota, U.S. EPA Cooperative Agreement No. BF-96849901-0," February 1, 2017.

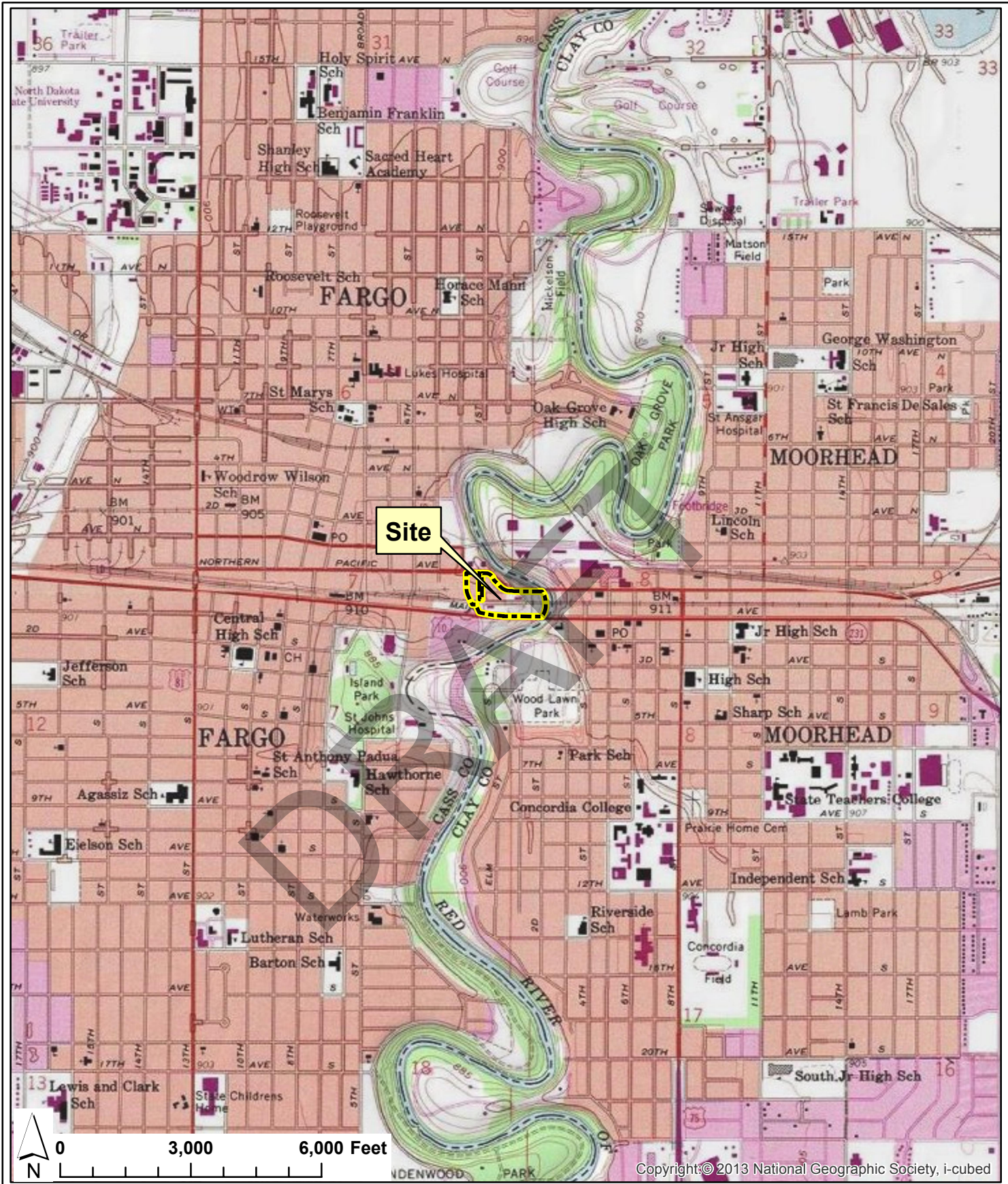
Stantec, 2017b. Stantec, "*Site-Specific Sampling and Analysis Plan, Phase II Environmental Site Assessment*, Mid American Steel, 92 Northern Pacific Avenue N, Fargo, North Dakota," August 8, 2017.

United States Environmental Protection Agency – Region 8 Regional Screening Levels, June 2017. Available at <https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables-june-2017>.

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FIGURES

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Stantec

2335 Highway 36 W
 St. Paul, MN 55113
 651-636-4600

Mid American Steel
 Sampling and Analysis Plan

92 Northern Pacific Avenue N
 Fargo, ND

Site Location Map

Figure 1

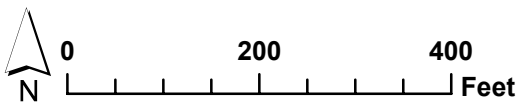
Date	Job No.	Scale
06/13/2017	193704907	1" = 3,000'



Location	Building
1	Warehouse
2	Miscellaneous Steel Cutting Shop
3	Sand Blasting Shop
4	Paint Shop
5	Shipping & Receiving
6	Plate & Miscellaneous Steel Fabrication Shop
7	Forming & Shearing shop
8	Plate Work & Tank Fabrication shop
9	Lobby & Offices
10	Tool Room

Location	Building
11	Machine Shop
12	Generator Room
13	Structural Steel Fabrication Shop #1
14	Structural Steel Fabrication Shop #2
15	Reinforcing Steel Fabrication shop
16	Storage Building
17	Boiler Room
18	Weigh Scale
19	Garage/Truck Storage
20	Raw Material Storage/Shop

Location	Activity
A	Former 10,000 and 14,000 gallon Heating Oil USTs
B	Former 2-3,000 gallon Diesel Fuel ASTs
C	2,000 gallon #2 Fuel Oil UST
D	Former 10,000 gallon Diesel Fuel UST
E	Former 3,000 gallon Gasoline UST
F	Painting Operations
G	Empty Paint Drums
H	Former Copula
I	560 gallon Fuel Oil UST
J	Pad Mounted Electrical Transformer
K	Pole Mounted Electrical Transformer
L	Blasting Sand Storage Tank
M	Parts Washer
N	3,000 gallon Fuel Oil AST and empty 1,000 gallon AST
O	Former Bulk Oil Storage
P	Former Coal Storage



Property Boundary



Stantec

2335 Highway 36 W
St. Paul, MN 55113
651-636-4600

Mid American Steel
Phase II Environment
Site Assessment

92 Northern Pacific Avenue N
Fargo, ND

Site Features & Proposed Sample Locations

Figure 2

Date	Job No.	Scale
11/29/2017	193704591	1" = 200'

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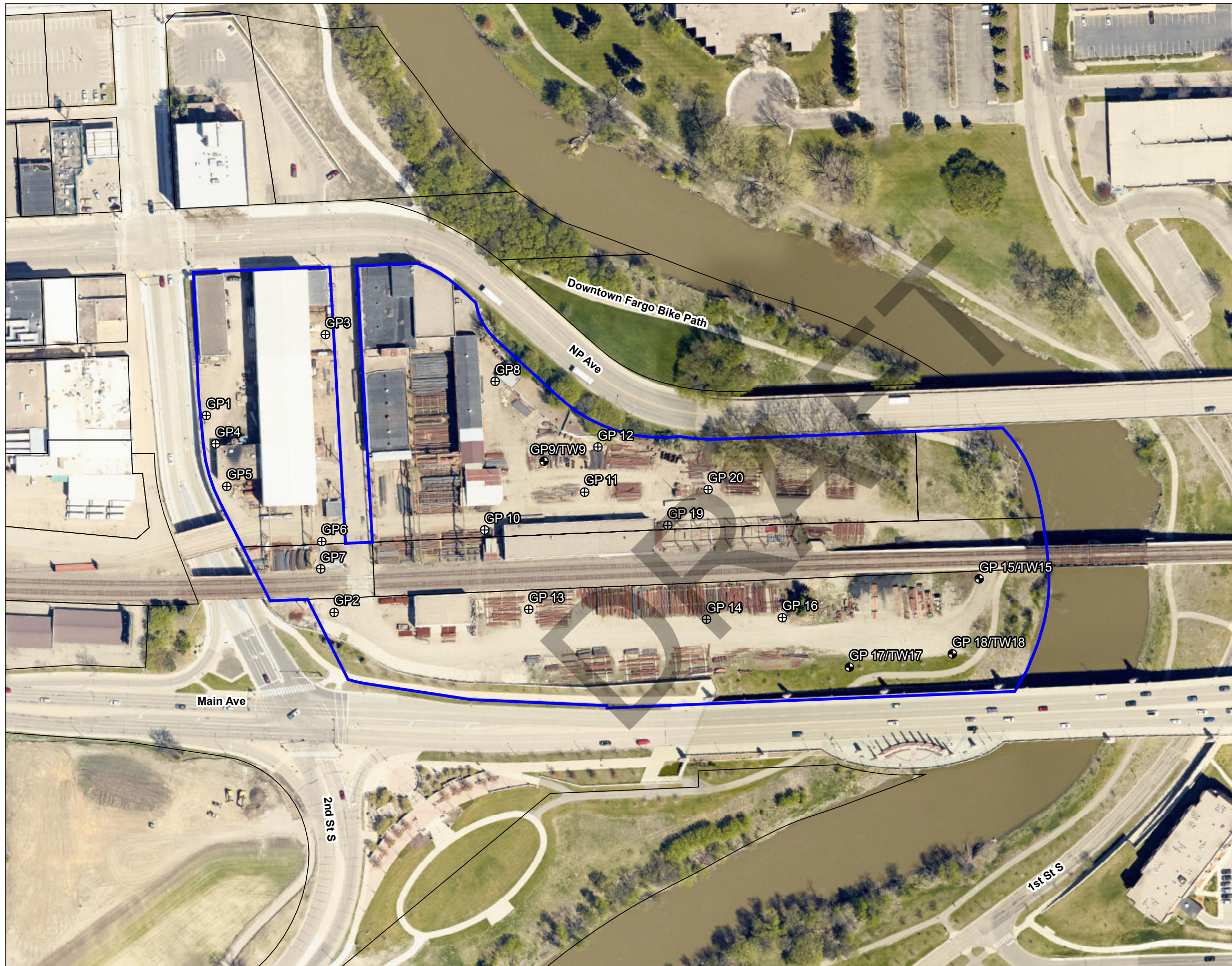
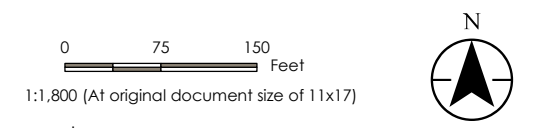
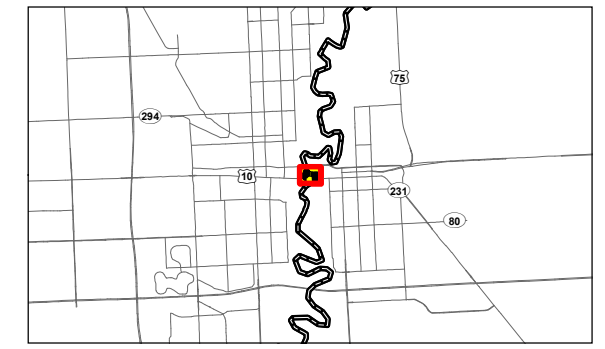


Figure No. **3**
 Title **Sample Location Map**
 Client/Project
 Mid American Steel
 92 Northern Pacific Avenue N
 Fargo, ND
 Project Location 193704907
 C. of Fargo, Cass Co., ND Prepared by AJS on 2017-11-13
 Technical Review by XXX on 2017-XX-XX
 Independent Review by XXX on 2017-XX-XX



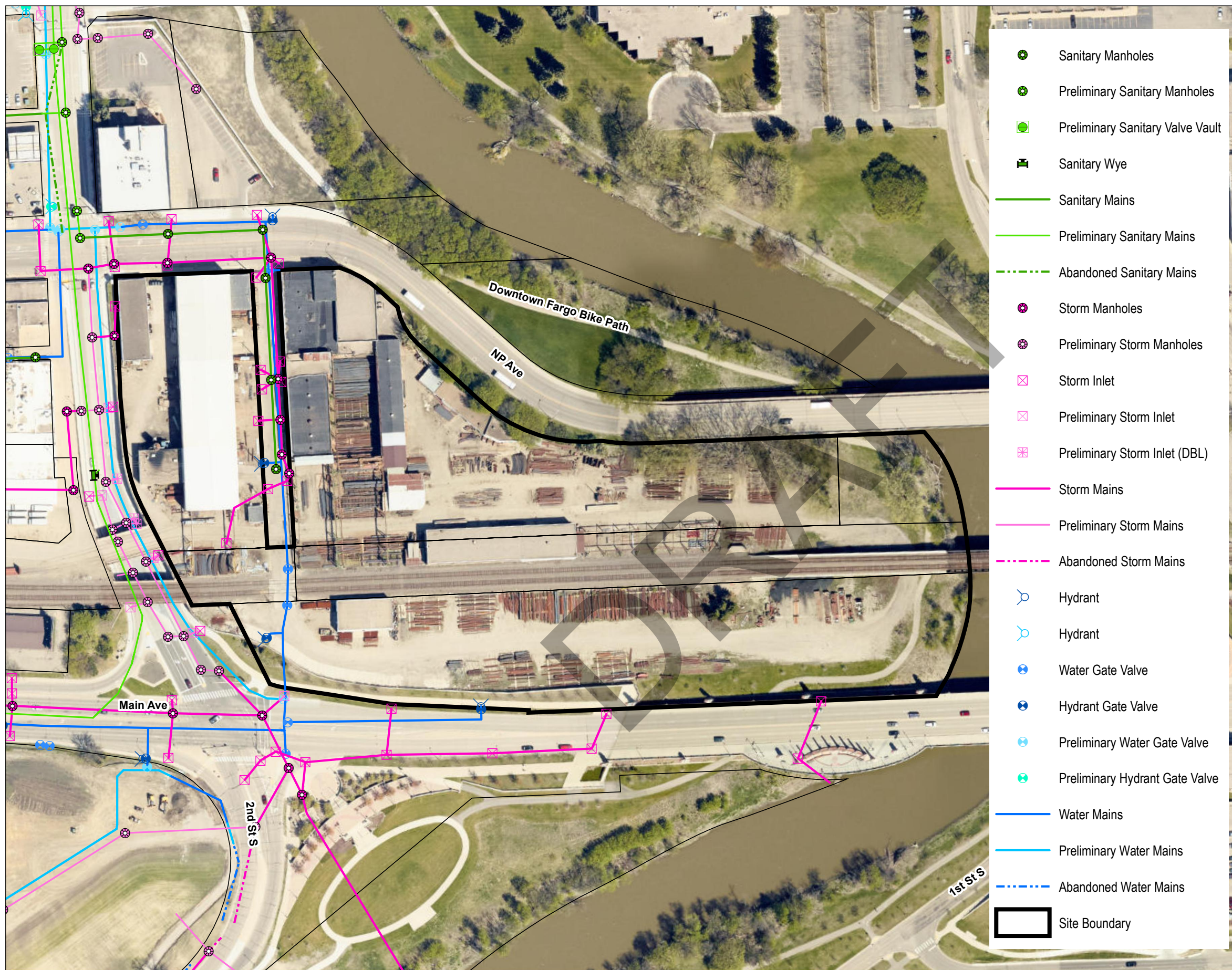
- Legend**
- Property Boundary
 - Parcel Boundary
 - + Borehole Location
 - Borehole / Well Location



- Notes**
1. Coordinate System: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet
 2. Data Sources Include: Stantec, NADS, Cass County
 3. Orthophotography: NAIP 2015

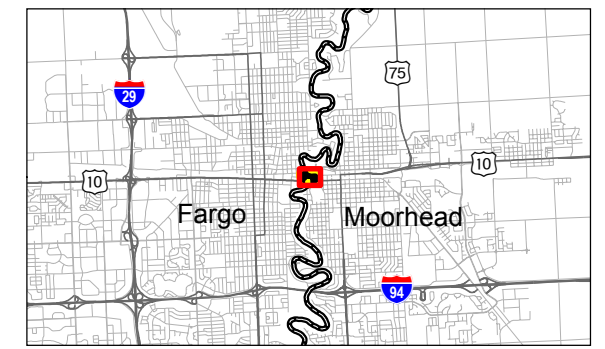
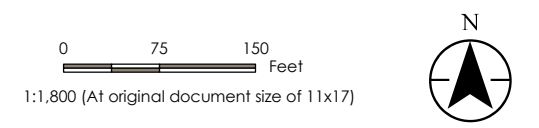


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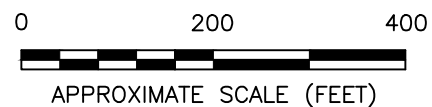
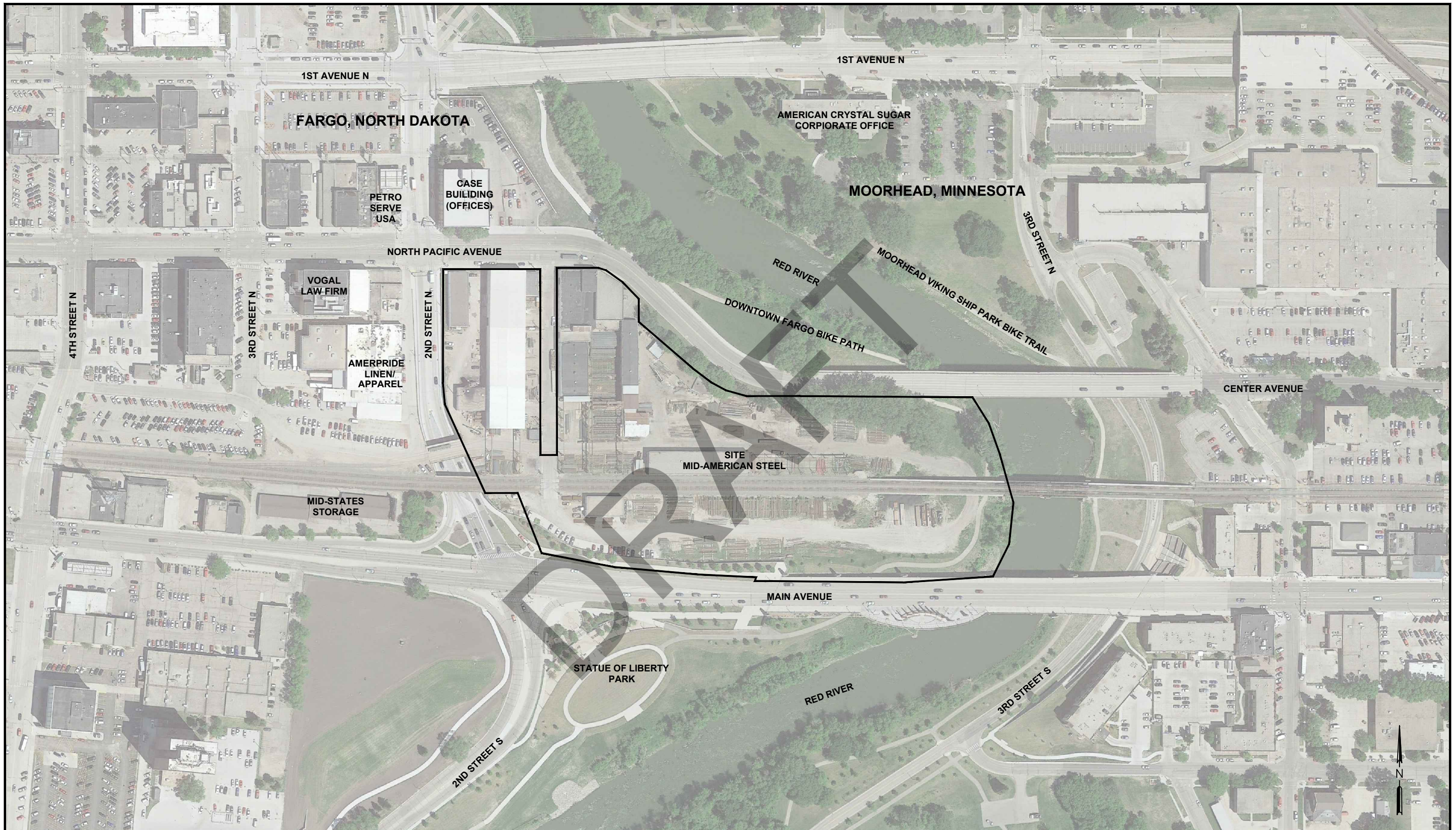
- Sanitary Manholes
- Preliminary Sanitary Manholes
- Preliminary Sanitary Valve Vault
- Sanitary Wye
- Sanitary Mains
- Preliminary Sanitary Mains
- Abandoned Sanitary Mains
- Storm Manholes
- Preliminary Storm Manholes
- Storm Inlet
- Preliminary Storm Inlet
- Preliminary Storm Inlet (DBL)
- Storm Mains
- Preliminary Storm Mains
- Abandoned Storm Mains
- Hydrant
- Hydrant
- Water Gate Valve
- Hydrant Gate Valve
- Preliminary Water Gate Valve
- Preliminary Hydrant Gate Valve
- Water Mains
- Preliminary Water Mains
- Abandoned Water Mains
- Site Boundary

Figure No. **4**
 Title **Municipal Utilities Map**
 Client/Project
 Mid American Steel
 92 Northern Pacific Avenue N
 Fargo, ND
 Project Location 193704907
 C. of Fargo, Cass Co., ND
 Prepared by HZD on 2018-02-26
 Technical Review by XXX on 2018-XX-XX
 Independent Review by XXX on 2018-XX-XX



- Notes**
1. Coordinate System: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet
 2. Data Sources Include: Stantec, NADS, Cass County
 3. Orthophotography: NAIP 2015





2335 HIGHWAY 36 WEST
ST. PAUL, MINNESOTA 55113
PHONE (651) 636-4600 FAX (651) 636-1311

FOR:

MID-AMERICAN STEEL
92 NORTHERN PACIFIC AVENUE N.
FARGO, NORTH DAKOTA

JOB NUMBER:
193704907

DRAWN BY:
KM

LAND USE OF ADJACENT PROPERTIES

CHECKED BY:
MP

APPROVED BY:
DC

FIGURE:

5

DATE:
02/22/18

SOURCE MAP: GOOGLE EARTH IMAGE, 5/2017

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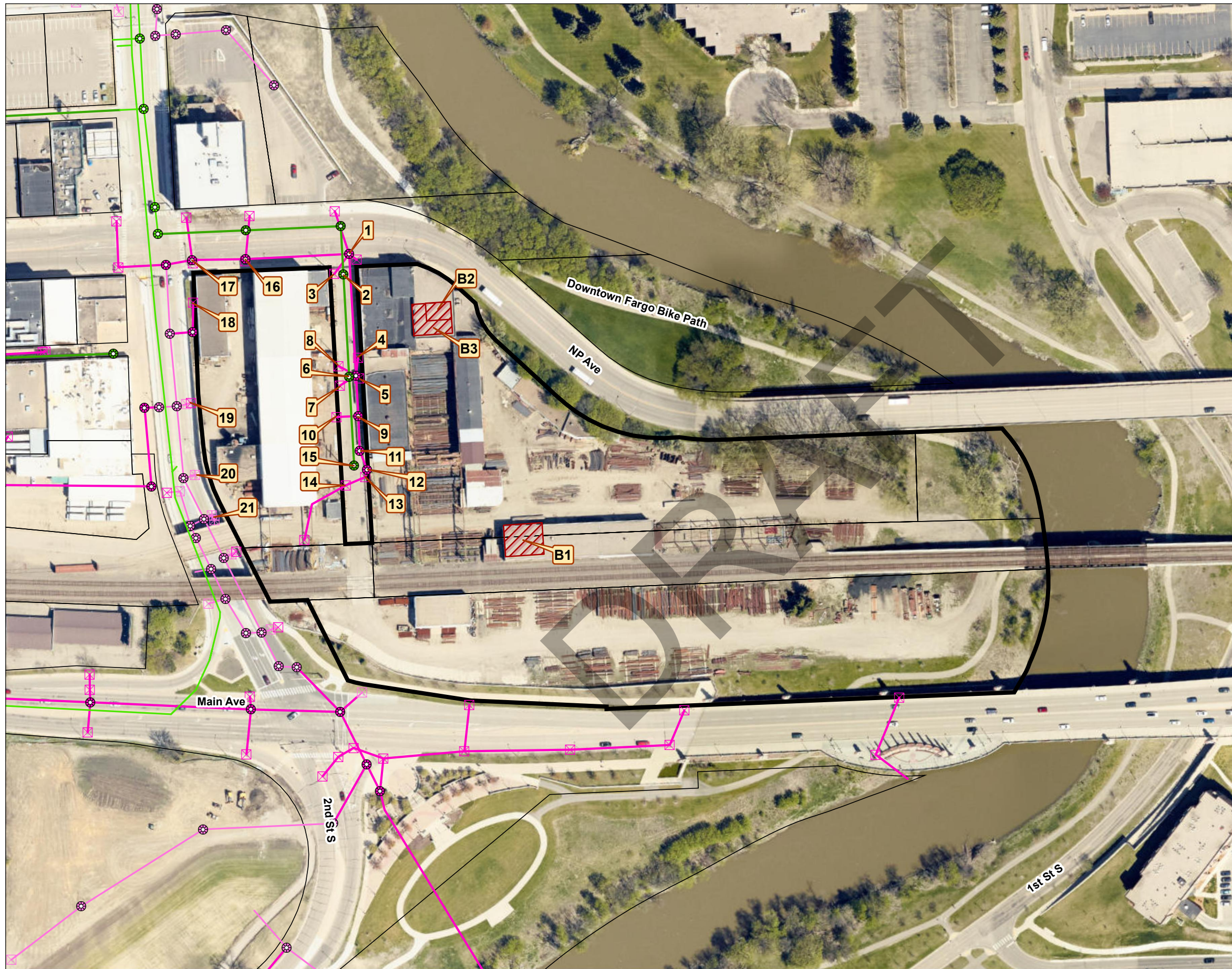
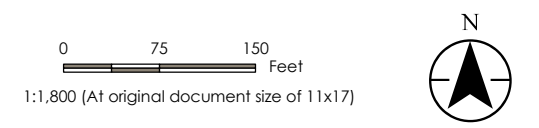


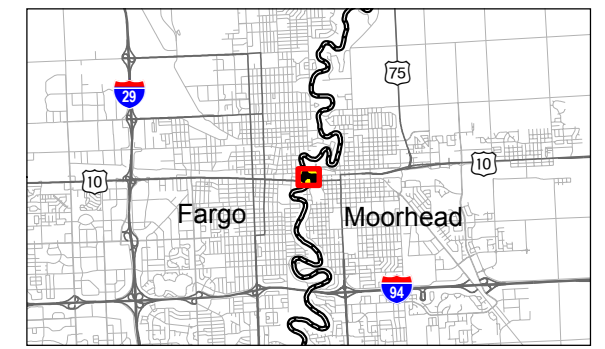
Figure No. **6**
 Title **Vapor Sampling Locations**

Client/Project
 Mid American Steel
 92 Northern Pacific Avenue N
 Fargo, ND

Project Location 193704907
 C. of Fargo, Cass Co., ND Prepared by HZD on 2018-02-26
 Technical Review by XXX on 2017-XX-XX
 Independent Review by XXX on 2017-XX-XX



- Sanitary Manholes
- Preliminary Sanitary Manholes
- Sanitary Mains
- Preliminary Sanitary Mains
- Storm Manholes
- Preliminary Storm Manholes
- Storm Inlets
 - STIN
- Preliminary Storm Inlets
 - STIN
 - STINDBL
- Storm Mains
- Preliminary Storm Mains
- Basement



Notes

1. Coordinate System: NAD 1983 StatePlane North Dakota South FIPS 3302 Feet
2. Data Sources Include: Stantec, NADS, Cass County
3. Orthophotography: NAIP 2015



TABLES

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Table 1
Soil Boring and Temporary Groundwater Monitoring Well Survey Data
Mid American Steel
Fargo, North Dakota

Location	Well Name	Ground Surface Elevation (ft ASL)	Northing	Easting	Total Depth of Borehole/Well (ft bgs)	Depth to Static Water Level September 2017 (ft bgs)
GP1	-	901.45	462739.488	2898167.462	25	NE
GP2	-	905.88	462446.594	2898357.501	25	NE
GP3	-	900.65	462859.584	2898344.505	25	NE
GP4	-	901.95	462696.904	2898181.184	25	NE
GP5	-	902.20	462634.138	2898198.028	25	NE
GP6	-	903.64	462552.082	2898339.011	25	NE
GP7	-	905.61	462511.232	2898337.618	25	NE
GP8	-	901.18	462789.944	2898597.144	25	NE
GP9	TW9	901.67	462671.382	2898669.622	25	12.36
GP 10	-	901.62	462569.097	2898581.398	25	NE
GP 11	-	901.60	462625.677	2898730.095	25	NE
GP 12	-	900.96	462692.307	2898749.696	25	NE
GP 13	-	904.10	462451.179	2898647.064	25	NE
GP 14	-	902.24	462436.151	2898911.417	25	NE
GP 15	TW15	887.86	462496.485	2899316.781	25	8.58
GP 16	-	900.67	462438.922	2899024.144	25	NE
GP 17	TW17	892.86	462365.319	2899123.830	25	22.12
GP 18	TW18	890.10	462384.671	2899276.750	25	17.7
GP 19	-	901.28	462576.165	2898853.783	25	NE
GP 20	-	899.79	462629.330	2898913.549	25	NE

Notes:

- = Not available
- ASL = Above sea level
- bgs = Below ground surface
- ft = Feet
- NE = Not encountered

Table 3
 Summary of QA/QC Soil Data
 Site Investigation Report
 Mid American Steel
 Fargo, North Dakota

Constituents	Units	GP-14		Relative Difference (Percent)	GP-2		Relative Difference (Percent)
		9/12/2017	9/12/2017		9/12/2017	9/12/2017	
		GP-14 (17-19)	DUP-01		GP2 (18-20)	DUP-03	
RCRA Metals							
Arsenic	mg/kg	<6.89	5.87	NC	<7.90	<7.47	NC
Barium	mg/kg	185	174	6%	196	187	5%
Cadmium	mg/kg	<1.72	1.15	NC	<1.98	<1.87	NC
Chromium	mg/kg	28.4	28.9	2%	30.1	28.6	5%
Lead	mg/kg	11	12	9%	10.3	11.6	12%
Mercury	mg/kg	0.0384	0.0284	30%	0.0408	0.0426	4%
Volatile Organic Compounds							
Chloroform (Trichloromethane)	µg/kg	<0.118	<0.121	NC	<0.130	0.151	NC
Trimethylbenzene, 1,2,4-	µg/kg	<0.118	<0.182	NC	<0.130	0.164	NC

Notes:

µg/kg = micrograms per kilogram

mg/kg = milligrams per kilogram

<0.03 = Analyte was not detected at a concentration greater than the laboratory reporting limit.

NC = Relative difference cannot be calculated as either the sample value or duplicate value is less than the laboratory reporting limit.

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Table 5
 Summary of QA/QC Groundwater Data
 Site Investigation Report
 Mid American Steel
 Fargo, North Dakota

Constituents	TW-15	DUP-02 (TW-15)	Relative Difference (Percent)
	9/12/17	9/12/17	
Dissolved Metals (mg/L)			
Arsenic	0.0123	0.0121	2%
Barium	0.649	0.621	4%
Lead	0.00167	0.00101	49%
Volatile Organic Compounds (µg/L)			
Acetone	37.2	28.2	27%

Notes:

µg/L = micrograms per liter

mg/L = milligrams per liter

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Table 6
Receptors Screening Data
Mid American Steel
Fargo, North Dakota

Location ID	Receptor Type	Access Point	Methane (LEL)	Oxygen (%)	Hydrogen Sulfide (ppm)	Carbon Monoxide (ppm)	VOCs (ppm)
B1	Sub-Grade Structure	Fabrication Shop #1	0.0	20.9	0.0	0.0	0.0
B2	Sub-Grade Structure	Machine Shop	0.0	20.9	0.0	0.0	0.0
B3	Sub-Grade Structure	Machine Shop	0.0	20.9	0.0	0.0	0.0
1	Storm Water	Manhole	0.0	20.9	0.0	0.0	0.0
2	Sanitary Sewer	Manhole	0.0	20.9	0.0	0.0	0.0
3	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
4	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
5	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
6	Storm Water	Manhole	0.0	20.9	0.0	0.0	0.0
7	Sanitary Sewer	Catch Basin	0.0	20.9	0.0	0.0	0.0
8	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
9	Storm Water	Manhole	0.0	20.9	0.0	0.0	0.0
10	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
11	Storm Water	Manhole	0.0	20.9	0.0	0.0	0.0
12	Storm Water	Manhole	--	--	--	--	--
13	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
14	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
15	Sanitary Sewer	Manhole	0.0	20.9	0.0	0.0	0.0
16	Sanitary Sewer	Catch Basin	0.0	20.9	0.0	0.0	0.0
17	Sanitary Sewer	Catch Basin	0.0	20.9	0.0	0.0	0.0
18	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
19	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0
20	Storm Water	Catch Basin	--	--	--	--	--
21	Storm Water	Catch Basin	0.0	20.9	0.0	0.0	0.0

Notes

- LEL - Lower Explosive Limit
- ppm - Parts per Million
- VOCs - Volatile Organic Compounds
- Receptor was inaccessible

APPENDICES

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APPENDIX A – SOIL BORING LOGS

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PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP1

DRILLING: STARTED **9/13/17** COMPLETED: **9/13/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0-1			GRAVEL ; brown; dry		GP1 (0-2) 1220	2/5			
1-2			SANDY CLAY ; black; moist						
2-3			SAND ; brown; moist						
3-5			No Recovery						
5-6			SAND ; brown; moist		GP1 (12-14) 1240	4/5		4.3	5
6-7			CLAY ; brown; moist						
7-8			CLAY ; light brown; moist						
8-10			No recovery						
10-11			CLAY ; light brown; moist		5/5	5/5	2.9	10	
11-12			CLAY ; light brown; very moist						
12-13			CLAY ; light brown; slightly moist						
13-14			CLAY ; light brown; very moist						
14-15			CLAY ; light brown; slightly moist						
15-16			CLAY ; light brown; very moist						
16-17			CLAY ; light brown; slightly moist						
17-18			CLAY ; light brown; very moist						
18-20			CLAY ; light brown; slightly moist		5/5	1.6	15		
20-21			CLAY ; light brown; very moist						
21-22			CLAY ; light brown; slightly moist						
22-23			CLAY ; light brown; very moist		5/5	1.1	20		
23-24			CLAY ; light brown; slightly moist						
24-25			CLAY ; light brown; moist						
25			Borehole terminated at 25 feet.						

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP10

DRILLING: STARTED COMPLETED:
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			SANDY GRAVEL ; brown; dry					4.2	
			SANDY CLAY ; black; petroleum odor		GP10 (1-2) 1725			5.8	
			No Recovery			2/5			
5			CLAY ; dark brown; moist						5
			CLAY ; light brown; moist					5.4	
			No Recovery		GP10 (7-9) 1800	4/5		7.9	
10			CLAY ; light brown; moist					4.5	10
			No Recovery			5/5		3.9	
15			CLAY ; light brown; moist					2.2	15
			No Recovery			5/5		2.8	
20			CLAY ; light brown; moist					1.9	20
			No Recovery			5/5		1.2	
25			CLAY ; light brown; moist					1.0	25
			No Recovery			5/5		0.9	
			Borehole terminated at 25 feet.						25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP11

DRILLING: STARTED **9/13/17** COMPLETED: **9/13/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			SAND ; brown; dry		GP11 (1-2) 1035	2/5		0.9	
			SANDY CLAY ; light brown; moist No Recovery					3.8	
5			CLAY ; light gray brown; moist		GP11 (12-14) 1100	3/5		4.2	5
			CLAY ; black; moist					2.9	
			SANDY CLAY ; black; saturated					No Recovery	
			CLAY ; black; moist					3.3	
10			CLAY ; light black; moist		GP11 (12-14) 1100	5/5		4.9	10
			SANDY CLAY ; dark brown; moist					2.9	
			CLAY ; light brown; moist					2.5	
15			CLAY ; light brown; moist		GP11 (12-14) 1100	5/5		1.6	15
			CLAY ; light brown; moist					0.9	
			CLAY ; light brown; moist					1.0	
20			CLAY ; light brown; moist		GP11 (12-14) 1100	5/5		0.8	20
			CLAY ; light brown; moist						
25			Borehole terminated at 25 feet.					0.8	25

GEO FORM 304 20171026BORINGS.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 10/27/17

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP12

DRILLING: STARTED **9/11/17** COMPLETED: **9/11/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			CONCRETE						
			GRAVEL FILL						
			SANDY CLAY ; light brown; Potential hardened hydrocarbons		GP12 (0-2) 1745			3.9	
			No Recovery			2/5			
5			Loose Black Material, Possibly Hydrocarbon, Very Dry						5
			CLAY ; black					3.8	
			No Recovery			2/5			
10			CLAY ; black; moist						10
			CLAY ; dark brown; moist					5.1	
			CLAY ; light brown; Decreasing Moisture			4/5		3.5	
			No Recovery						
15			CLAY ; dark gray; moist					4.4	15
			CLAY ; dark gray; Increasing Moisture, Hydrocarbon Shell		GP12 (16-17) 1810			9.2	
			CLAY ; dark gray; Decreasing Moisture			5/5		3.2	
			CLAY ; light brown; moist					2.9	
20			CLAY ; light brown; moist						20
						5/5		1.1	
25			Borehole terminated at 25 feet.					1.2	25

GEO FORM 304 20171026BORINGS.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 10/27/17

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP13

DRILLING: STARTED **9/12/17** COMPLETED: **9/12/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			GRAVEL						
			SAND ; black					3.3	
			CLAY ; light brown; moist		GP13 (0-2) 0945				
			No Recovery			2/5			
5			CLAY ; light brown; moist						5
			CLAY ; light black; moist					3.2	
			SILTY CLAY ; light brown; moist			5/5		2.4	
10			CLAY ; light brown; moist					2.3	10
						5/5		1.6	
15			CLAY ; light brown; moist		GP13 (13-15), MS, MSD 1010			4.2	15
						5/5		2.2	
20			CLAY ; light brown; moist					2.1	
						5/5		1.2	20
								0.6	
25			Borehole terminated at 25 feet.					0.5	25

GEO FORM 304 20171026BORINGS.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 10/27/17

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP14

DRILLING: STARTED COMPLETED:
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0			GRAVEL ; dry		GP14 (0-2) 0850	2/5		2.3	
0			SANDY CLAY ; brown; moist						
0			SILTY SAND ; white; dry No Recovery						
5			SILTY CLAY ; black; moist SILTY CLAY ; light brown; moist		GP14 (17-19) 0915	4.5/5		2.0	5
5			SANDY CLAY ; dark brown; moist						
5			No Recovery						
10			SILTY SAND ; black; Some red sand		GP14 (17-19) 0915	4.5/5		2.1	10
10			SAND AND CLAY ; black						
10			SANDY CLAY ; light black						
15			No Recovery		GP14 (17-19) 0915	5/5		1.9	15
15			CLAY ; light black; moist						
15			CLAY ; dark brown; moist						
20			CLAY ; light brown; moist		GP14 (17-19) 0915	5/5		1.9	20
20			CLAY ; light brown; moist						
20			CLAY ; light brown; stiff						
25			Borehole terminated at 25 feet.					0.7	25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP15

DRILLING: STARTED **9/12/17** COMPLETED: **9/12/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **6.5** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft): **22**
 WELL CASING DIA. (in): **3/4"** BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			SANDY CLAY ; dark brown; dry						2.7	
			SANDY CLAY ; black; slightly moist						4.0	
			SILTY/SANDY CLAY ; black; saturated; moderate organic odor No Recovery		GP15 (2-3) 1040	3/5				
5			SILTY/SANDY CLAY ; black; saturated; moderate organic odor CLAY ; dark brown						3.4	3/4" PVC Riser
			CLAY ; dark brown; moist			5/5			2.9	
10			CLAY ; brown; moist						1.5	10
			CLAY ; brown; moist			5/5			1.6	
15			CLAY WITH MINOR SAND ; brown; moist; Some shells						1.1	
			CLAY WITH MINOR SAND ; brown; moist; Some shells		GP15 (17-19) 1105	5/5			2.0	3/4" Prepacked PVC Screen
20			CLAY WITH MINOR SAND ; brown; moist; Some shells SILTY CLAY ; dark gray; very moist						1.9	20
			SANDY CLAY ; light gray; saturated; Some shells			5/5			1.6	
25			Borehole terminated at 25 feet. Temporary well removed		TW15 (01)				1.5	25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP16

DRILLING: STARTED COMPLETED:
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0			GRAVEL ; dry		GP16 (0-2) 0800	3/5		1.1	
0			SILTY CLAY ; light brown						
0			CLAY ; light brown; slightly moist				0.2		
0			No Recovery						
5			SAND ; black; loose; moist		GP16 (12-14) 0830	2/5		1.7	5
5			SILTY CLAY ; light brown; moist						
5			No Recovery						
10			SANDY CLAY ; black; loose; moist; Possible hydrocarbons					1.6	10
10			SANDY CLAY ; light brown; slightly moist					2.7	
10			SANDY CLAY ; light black; very moist						
10			SANDY CLAY ; light black						
10			No Recovery						
15			SANDY CLAY ; light black					2.2	15
15			CLAY ; light black; moist						
15			SILTY CLAY ; brown; moist					1.9	
15			No Recovery						
20			SILTY CLAY ; light brown; moist					0.8	20
20			No Recovery						
20			SILTY CLAY ; light brown; moist					0.9	
20			No Recovery						
25			SILTY CLAY ; light brown; moist					0.5	
25			No Recovery						
25			Borehole terminated at 25 feet.						25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP17

DRILLING: STARTED **9/11/17** COMPLETED: **9/11/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **22.12** BOREHOLE DEPTH (ft): **30**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft): **24.5**
 WELL CASING DIA. (in): **3/4"** BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
0-2			SANDY CLAY ; dark brown; stiff; dry	X	GP17 (0-2) 1410			2.1		
2-3			SILTY SAND ; light brown; fine-grained; dry	X		3/5		1.9		
3-5			No Recovery							
5-6			CLAY TRACE GRAVEL ; dark brown; medium stiff; slightly moist	X				4.4		
6-8			CLAY ; light brown; medium stiff; slightly moist	X		4/5		5.5		3/4" PVC Riser
8-10			No Recovery							
10-11			CLAY ; gray brown; moist	X				12.0		
11-15			CLAY ; light gray brown; moist; Black green inclusions	X		5/5		5.5		
15-16			SILTY CLAY ; dark black brown; moist; slight hydrocarbon odor	X	GP17 (15-16) 1440			7.7	15	
16-18			SILTY CLAY ; brown; moist	X		5/5		8.8		
18-20			SILTY CLAY ; light brown; moist	X				5.2	20	3/4" Prepacked PVC Screen
20-22			SILTY CLAY ; light brown; moist	X		5/5		4.5		
22-25			SILTY CLAY ; dark brown; very stiff	X				1.8		
25-28			SILTY CLAY ; dark brown; saturated; Some shells	X		5/5		3.8	25	
28-30			SILTY CLAY ; dark brown; saturated; Some shells	X				4.1		
30-31			SILTY SAND ; dark gray; fine-grained; saturated; well sorted	X				1.9		
30-31			Borehole terminated at 30 feet. Temporary well removed		TW17 (01)				30	

GEO FORM 304 20171026BORINGS.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 10/27/17

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP18

DRILLING: STARTED **9/11/17** COMPLETED: **9/11/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **17.7** BOREHOLE DEPTH (ft): **30**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft): **25**
 WELL CASING DIA. (in): **3/4"** BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
0-1			SANDY CLAY AND GRAVEL ; light brown; dry; poorly sorted		GP18 (0-2) 1615			6.0		
1-2			SANDY SILT ; black; loose; dry; Red inclusions, Potential coal							
2-3			SANDY CLAY ; black			3/5		4.6		
3-4			No Recovery							
5			CLAY ; black; slightly moist						5	
5-6			CLAY TRACE ROCK FRAGMENTS ; light brown; slightly moist					6.3		
6-7						4/5		6.5		3/4" PVC Riser
7-8			No Recovery							
10			SANDY CLAY ; light brown; high plasticity; moist					6.2	10	
10-11										
11-12					GP18 (12-14) 1630	5/5		7.0		
12-13										
13-14			SANDY CLAY ; light brown; high plasticity; moist; Shell inclusions					6.2	15	
14-15										
15-16			SANDY CLAY ; light brown; high plasticity; moist; Shell inclusions					6.3		
16-17						5/5		5.1		
17-18										
18-19			SANDY CLAY ; dark brown; Shell inclusions					5.9	20	3/4" Prepacked PVC Screen
19-20										
20-21			CLAY ; dark gray; slightly moist			5/5		6.1		
21-22										
22-23										
23-24			SANDY CLAY ; dark gray; moist					5.6	25	
24-25										
25-26			SANDY CLAY ; dark gray; saturated; Shell Inclusions					6.1		
26-27										
27-28			CLAY ; dark gray; moist			5/5		5.9		
28-29										
29-30			Borehole terminated at 30 feet. Temporary well removed		TW18 (01)				30	

GEO FORM 304 20171026BORINGS.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 10/27/17

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP19

DRILLING: STARTED **9/12/17** COMPLETED: **9/12/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			GRAVEL ; dry						
			SILTY SAND ; black; hydrocarbon odor		GP19 (0-2) 1640			25.6	
						4/5		7.0	
			SILTY CLAY No Recovery						
5			SANDY CLAY ; brown; moist						5
			CLAY ; brown; moist					4.2	
			SAND ; black; slight odor No Recovery			2/5			
10			SAND ; brown yellow; dry					2.1	10
			CLAY ; brown; moist No Recovery			2/5			
15			CLAY ; brown; moist					5.4	15
					GP19 (17-19) 1700	5/5		5.9	
			CLAY ; brown; very moist					1.1	20
20			CLAY ; brown; moist					0.7	
						5/5		0.6	
25			Borehole terminated at 25 feet.						25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP2

DRILLING: STARTED **9/12/17** COMPLETED: **9/12/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0 - 1.2			GRAVEL ; dry		GP2 (1-2) 1240	2/5		1.2	
1.2 - 3.2			SANDY CLAY ; brown; dry					3.2	
3.2 - 4.0			SAND ; black; dry						
4.0 - 5.0			SAND ; brown; dry No Recovery						
5.0 - 5.5			SANDY CLAY ; black; moist; Possible hydrocarbons		GP2 (18-20) 1310	2/5		5.5	
5.5 - 6.0			CLAY ; black; moist					6.0	
6.0 - 7.0			No Recovery						
7.0 - 10.0					GP2 (18-20) 1310	5/5		10.0	
10.0 - 11.5			CLAY ; brown; moist					11.5	
11.5 - 13.0			CLAY ; light brown; very moist						
13.0 - 15.0			CLAY ; brown; moist						
15.0 - 16.5					GP2 (18-20) 1310	5/5		15.0	
16.5 - 18.0			CLAY ; light brown; moist					18.0	
18.0 - 20.0									
20.0 - 21.5					GP2 (18-20) 1310	5/5		20.0	
21.5 - 23.0			CLAY ; light brown; moist					23.0	
23.0 - 25.0			CLAY ; light brown; very moist						
25.0			Borehole terminated at 25 feet.					25.0	

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP20

DRILLING: STARTED **9/12/17** COMPLETED: **9/12/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **30**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0-2			GRAVEL ; dry		GP20 (0-2) 1500			6.1	
			SANDY CLAY ; brown; dry						
2-3			SANDY CLAY ; brown black; dry; hydrocarbon odor						
			GRAVEL ; dry						
3-4			SANDY CLAY ; black; moist			3/5		4.3	
			No Recovery						
5-6			CLAY ; brown; moist					6.8	5
			SAND ; light yellow						
6-7			SANDY CLAY ; light brown; moist						
			No Recovery						
10-11			SANDY CLAY ; brown; moist					3.3	10
			SAND SOME SMALL GRAVEL ; brown pink yellowish						
11-12			No Recovery						
15-16			CLAY ; black; moist		GP20 (15-17) 1525			6.9	15
			CLAY ; light black; moist						
16-17			CLAY ; black gray; moist					5.6	
20-21			CLAY ; brown; moist					3.5	20
22-23								3.3	
24-25								3.5	
26-27								2.9	
28-29								1.2	
30-31								1.1	
30			Borehole terminated at 30 feet.						30

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP3

DRILLING: STARTED **9/13/17** COMPLETED: **9/13/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			GRAVEL ; dry						
			SANDY CLAY ; black; dry; petroleum odor					5.9	
			CLAY ; black; moist		GP3 (2-4) 1140	4/5		6.2	
5			No Recovery						5
			CLAY ; black; moist					4.9	
			CLAY ; light brown; moist		GP3 (7-9) 1200	5/5		5.5	
10			CLAY ; light brown; moist					3.6	10
								3.9	
						5/5		3.3	
15			CLAY ; light brown; moist					2.9	15
								2.8	
						5/5		3.9	20
20			CLAY ; light brown; moist					2.9	
								2.8	
25			Borehole terminated at 25 feet.						25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP4

DRILLING: STARTED **9/13/17** COMPLETED: **9/13/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			SANDY GRAVEL ; dry					1.9	
			CLAY ; black; moist		GP4 (2-3) 1300	3/5		4.4	
			No Recovery						
5			CLAY ; black; moist CLAY ; brown; moist		GP4 (7-9) 1320	5/5		4.4	5
			CLAY ; light brown; moist					4.9	
10			CLAY ; light brown; very moist					3.3	10
								4.1	
						5/5		3.8	
15			CLAY ; light brown; very moist					3.3	15
			CLAY ; light brown; moist					3.3	
						5/5		3.3	
20			CLAY ; light brown; moist					2.8	20
								2.4	
						5/5		1.3	
25			Borehole terminated at 25 feet.						25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP5

DRILLING: STARTED **9/12/17** COMPLETED: **9/12/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0			GRAVEL ; brown						
0.5			SANDY CLAY ; black; dry		GP5 (0-2) 1340			3.7	
1			SAND ; brown; moist						
1.5			No Recovery			2/5			
5			CLAY ; brown; moist						5
7			CLAY ; light brown; moist		GP5 (7-9) 1400	4/5		4.3	
8			No Recovery						
10			CLAY ; light brown; moist					4.2	10
12						5/5		2.8	
15			CLAY ; light brown; moist					2.6	15
17						5/5		1.7	
20			CLAY ; light brown; moist					1.8	20
22						5/5		0.8	
24								0.9	
25			Borehole terminated at 25 feet.					0.7	25

GEO FORM 304 20171026BORINGS.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 10/27/17

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP6

DRILLING: STARTED **9/12/17** COMPLETED: **9/12/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0			GRAVEL ; dry						
0.5			SANDY CLAY ; brown						
1			SAND ; brown black; dry						
1.5			No Recovery			2/5			
5			SAND ; black; dry						
5.5			CLAY ; black; hydrocarbon odor; Wood					64.7	5
6			CLAY ; brown; moist			3/5		9.5	
6.5			No Recovery						
10			CLAY ; brown; moist					6.6	10
11						5/5		6.4	
15			CLAY ; brown; moist					4.9	15
16						5/5		3.8	
20			CLAY ; brown; moist					4.2	20
21						5/5		3.2	
24								2.4	
25			Borehole terminated at 25 feet.					1.8	25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP7

DRILLING: STARTED COMPLETED:
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			GRAVEL ; dry						
			CLAY ; brown; moist		GP7 (0-2) 1330			3.6	
			SAND ; brown						
			SANDY CLAY ; black; moist						
			No Recovery			2/5			
5			SANDY CLAY ; black; moist						5
			CLAY ; brown; very moist					2.9	
			No Recovery			2/5			
10			CLAY ; brown; moist					4.1	10
						5/5		2.9	
15			CLAY ; brown; moist		GP7 (14-16), MS, MSD 1350			4.2	15
						5/5		3.5	
20			CLAY ; brown; moist					3.3	20
						5/5		2.0	
25			CLAY ; brown; very moist					1.2	
								1.1	
			Borehole terminated at 25 feet.						25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



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GP8

DRILLING: STARTED **9/13/17** COMPLETED: **9/13/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft): EASTING (ft):
 LATITUDE: LONGITUDE:
 GROUND ELEV (ft): **na** TOC ELEV (ft):
 INITIAL DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **25**
 STATIC DTW (ft): **Not Encountered** WELL DEPTH (ft):
 WELL CASING DIA. (in): --- BOREHOLE DIA.(in): **2 1/4"**
 LOGGED BY: **MP** CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0			CONCRETE						
0-2			SAND ; brown; coarse-grained; moist; poorly sorted	X	GP8 (0-2) 1705			3.2	
2-5			SANDY CLAY ; black; coarse-grained; moist No Recovery			1.5/5			
5-7			CLAY ; dark brown; medium stiff; moist	X	GP8 (5-7) 1720			7.8	5
7-10			CLAY ; light brown; medium stiff; moist No Recovery			2/5			
10-15			CLAY ; light brown; stiff to very stiff; moist					3.2	10
15-20			CLAY ; light brown; stiff to very stiff; moist			5/5		3.1	15
20-25			CLAY ; light brown; stiff to very stiff; moist					2.9	20
20-21			SILTY CLAY ; light brown; stiff to very stiff; moist					1.8	
21-22			CLAY ; light brown; very stiff; moist			5/5		2.0	20
22-23								0.8	
23-24								1.1	
24-25								0.9	
25			Borehole terminated at 25 feet.						25

PROJECT: **Mid American Steel**
 LOCATION: **92 Northern Pacific Avenue, Fargo, ND**
 PROJECT NUMBER: **193704907**

WELL / PROBEHOLE / BOREHOLE NO:



PAGE 1 OF 1

GP9

DRILLING: STARTED **9/13/17** COMPLETED: **9/13/17**
 INSTALLATION: STARTED COMPLETED:
 DRILLING COMPANY: **Midwestern Drilling**
 DRILLING EQUIPMENT: **GeoProbe Model 7800**
 DRILLING METHOD: **Direct Push**
 SAMPLING EQUIPMENT: **Acetate Liner 1 1/8"**

NORTHING (ft):
 LATITUDE:
 GROUND ELEV (ft): **na**
 INITIAL DTW (ft): **12.31**
 STATIC DTW (ft): **Not Encountered**
 WELL CASING DIA. (in): **3/4"**
 LOGGED BY: **MP**
 EASTING (ft):
 LONGITUDE:
 TOC ELEV (ft):
 BOREHOLE DEPTH (ft): **25**
 WELL DEPTH (ft): **24**
 BOREHOLE DIA.(in): **2 1/4"**
 CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)	Well Construction
			GRAVEL ; brown; dry		GP9 (0-2) 0945			11.2		
			SANDY GRAVEL ; black; dry							
			SAND ; brown; dry			3/5		3.1		
			No Recovery							
5			CLAY ; light black; moist		GP9 (7-8) 1000			2.5		3/4" PVC Riser
			CLAY ; brown; moist							
			CLAY ; light brown; moist			3/5		3.1		
			No Recovery							
10			CLAY ; light brown; moist					1.4		3/4" Prepacked PVC Screen
								2.2		
					5/5		1.3			
15			CLAY ; light brown; very moist					2.6		
								1.2		
20			CLAY ; light brown; very moist					1.0		
								0.9		
25			CLAY ; light brown; very stiff; very moist					1.0		
			Borehole terminated at 25 feet. Temporary well removed		TW9 (01)				25	

GEO FORM 304 20171026BORINGS.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 10/27/17

APPENDIX B – NORTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT

DRAFT

NORTH DAKOTA WELL AND TEST HOLE PLUGGING REPORT 11-02

Location NE 1/4 NE 1/4 Sec 7 Twp 139 Rg 48W

County CASS

Well Owner: City of Fargo

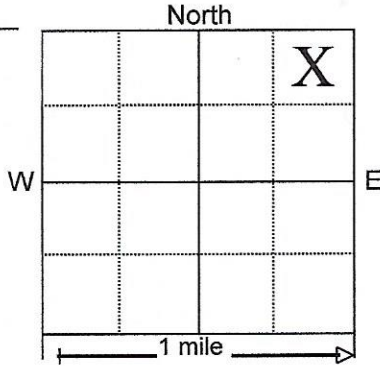
Name: Mid-American Steel

Address: 92 Northern Pacific Avenue N

City, State, Zip: Fargo ND 58102

Comments:
 *17 boring locations were completed to 25 feet
 *3 boring locations were completed to 30 feet.

Please mark well location with an "X"



Plugging Completion Date 9/13/2017

CHECK APPROPRIATE BOX

EXISTING WELL

TEST HOLE

Well depth _____

Hole depth 30 feet

Casing material _____

Hole size 2.25"

Casing size(s) _____

Casing condition _____

Describe plugging procedure:

Pumped quickgrout via tremie pipe from the bottom of the well to the surface & topped with 3/8" bentonite chips.

Describe grout or plugging material:

Quickgrout & bentonite chips

Type of non-slip plug: _____

This well or test hole was plugged under license #431 and this report is true and accurate.

Drilling firm: Midwestern Drilling LLC

Signature of Licensed Representative: *[Signature]*

Signature of Well Owner: _____

Date: 10/30/2017

APPENDIX C – LABORATORY ANALYTICAL REPORTS

DRAFT

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: 310-114352-1
TestAmerica Sample Delivery Group: 193704907
Client Project/Site: Mid American Steel - Fargo, ND

For:
Stantec Consulting Corporation
6188 Rome Circle North West
Rochester, Minnesota 55901

Attn: David Constant



Authorized for release by:
9/27/2017 4:38:18 PM

Shawn Hayes, Senior Project Manager
(319)277-2401
shawn.hayes@testamericainc.com

LINKS

Review your project
results through
TotalAccess

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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DRAFT

Case Narrative

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Job ID: 310-114352-1

Laboratory: TestAmerica Cedar Falls

Narrative

Job Narrative 310-114352-1

Comments

No additional comments.

Receipt

The samples were received on 9/15/2017 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 4 coolers at receipt time were 0.3° C, 0.7° C, 0.8° C and 1.1° C.

GC/MS VOA

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: TW17 (01) (310-114352-47), TW18 (01) (310-114352-48), TW15 (01) (310-114352-49) and DUP-02 (310-114352-51).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 310-179056 recovered above the upper control limit for Trichlorofluoromethane(22.8%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 310-179056/4).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 310-179057 recovered above the upper control limit for Trichlorofluoromethane(22.8%D). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCV 310-179057/4).

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

GC/MS Semi VOA

Method(s) 8270D SIM: Surrogate recovery for the following sample was outside control limits: GP19 (0-2') (310-114352-23). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method(s) 8270D SIM: The following samples were diluted due to the nature of the sample matrix: GP17 (0-2') (310-114352-1), GP18 (0-2') (310-114352-3), GP12 (0-2') (310-114352-5), GP16 (0-2') (310-114352-7), GP16 (12-14') (310-114352-8), GP14 (0-2') (310-114352-9), GP13 (0-2') (310-114352-11), GP15 (2-3') (310-114352-13), GP2 (1-2') (310-114352-15), GP7 (0-2') (310-114352-17), GP6 (0-2') (310-114352-19), GP6 (5-6') (310-114352-20), GP20 (0-2') (310-114352-21), GP19 (0-2') (310-114352-23), GP19 (6.5-7') (310-114352-24), GP10 (1-2') (310-114352-26), GP9 (0-2') (310-114352-28), GP11 (1-2') (310-114352-30), GP5 (0-2') (310-114352-38) and GP8 (0-2') (310-114352-40). Elevated reporting limits (RLs) are provided.

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

GC Semi VOA

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

Metals

Method(s) 6010C: The following samples were diluted due to the presence of an interferent: GP17 (0-2') (310-114352-1), GP18 (0-2') (310-114352-3), GP18 (12-14') (310-114352-4), GP12 (0-2') (310-114352-5), GP12 (16-17') (310-114352-6), GP16 (0-2') (310-114352-7), GP14 (0-2') (310-114352-9), GP14 (17-19') (310-114352-10), GP13 (0-2') (310-114352-11), GP13 (13-15') (310-114352-12), GP15 (2-3') (310-114352-13), GP15 (17-19') (310-114352-14), GP2 (18-20') (310-114352-16), GP7 (0-2') (310-114352-17), GP7 (14-16') (310-114352-18), GP20 (0-2') (310-114352-21), GP19 (0-2') (310-114352-23), GP10 (1-2') (310-114352-26), GP9 (0-2') (310-114352-28), GP11 (1-2') (310-114352-30), GP11 (12-14') (310-114352-31), GP3 (2-4') (310-114352-32), GP3 (7-9') (310-114352-33), GP1 (0-2') (310-114352-34), GP1 (12-14') (310-114352-35), GP4 (2-3') (310-114352-36), GP4 (7-9') (310-114352-37), GP5 (0-2') (310-114352-38), GP5 (7-9') (310-114352-39), GP8 (0-2') (310-114352-40), GP8 (5-7') (310-114352-41) and DUP-03 (310-114352-43). 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

Case Narrative

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Job ID: 310-114352-1 (Continued)

Laboratory: TestAmerica Cedar Falls (Continued)

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.

DRAFT

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Sample Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
310-114352-1	GP17 (0-2')	Soil	09/11/17 14:10	09/15/17 09:15
310-114352-2	GP17 (15-16')	Soil	09/11/17 14:40	09/15/17 09:15
310-114352-3	GP18 (0-2')	Soil	09/11/17 16:15	09/15/17 09:15
310-114352-4	GP18 (12-14')	Soil	09/11/17 16:30	09/15/17 09:15
310-114352-5	GP12 (0-2')	Soil	09/11/17 17:45	09/15/17 09:15
310-114352-6	GP12 (16-17')	Soil	09/11/17 18:10	09/15/17 09:15
310-114352-7	GP16 (0-2')	Soil	09/12/17 08:00	09/15/17 09:15
310-114352-8	GP16 (12-14')	Soil	09/12/17 08:30	09/15/17 09:15
310-114352-9	GP14 (0-2')	Soil	09/12/17 08:50	09/15/17 09:15
310-114352-10	GP14 (17-19')	Soil	09/12/17 09:15	09/15/17 09:15
310-114352-11	GP13 (0-2')	Soil	09/12/17 09:45	09/15/17 09:15
310-114352-12	GP13 (13-15')	Soil	09/12/17 10:10	09/15/17 09:15
310-114352-13	GP15 (2-3')	Soil	09/12/17 10:40	09/15/17 09:15
310-114352-14	GP15 (17-19')	Soil	09/12/17 11:05	09/15/17 09:15
310-114352-15	GP2 (1-2')	Soil	09/12/17 12:40	09/15/17 09:15
310-114352-16	GP2 (18-20')	Soil	09/12/17 13:10	09/15/17 09:15
310-114352-17	GP7 (0-2')	Soil	09/12/17 13:30	09/15/17 09:15
310-114352-18	GP7 (14-16)	Soil	09/12/17 13:50	09/15/17 09:15
310-114352-19	GP6 (0-2')	Soil	09/12/17 14:10	09/15/17 09:15
310-114352-20	GP6 (5-6')	Soil	09/12/17 14:20	09/15/17 09:15
310-114352-21	GP20 (0-2')	Soil	09/12/17 15:00	09/15/17 09:15
310-114352-22	GP20(15-17')	Soil	09/12/17 15:25	09/15/17 09:15
310-114352-23	GP19 (0-2')	Soil	09/12/17 16:40	09/15/17 09:15
310-114352-24	GP19 (6.5-7')	Soil	09/12/17 16:50	09/15/17 09:15
310-114352-25	GP19 (17-19')	Soil	09/12/17 17:00	09/15/17 09:15
310-114352-26	GP10 (1-2')	Soil	09/12/17 17:25	09/15/17 09:15
310-114352-27	GP10 (7-9')	Soil	09/12/17 18:00	09/15/17 09:15
310-114352-28	GP9 (0-2')	Soil	09/13/17 09:45	09/15/17 09:15
310-114352-29	GP9 (7-8')	Soil	09/13/17 10:00	09/15/17 09:15
310-114352-30	GP11 (1-2')	Soil	09/13/17 10:35	09/15/17 09:15
310-114352-31	GP11 (12-14')	Soil	09/13/17 11:00	09/15/17 09:15
310-114352-32	GP3 (2-4')	Soil	09/13/17 11:40	09/15/17 09:15
310-114352-33	GP3 (7-9')	Soil	09/13/17 12:00	09/15/17 09:15
310-114352-34	GP1 (0-2')	Soil	09/13/17 12:20	09/15/17 09:15
310-114352-35	GP1 (12-14')	Soil	09/13/17 12:40	09/15/17 09:15
310-114352-36	GP4 (2-3')	Soil	09/13/17 13:00	09/15/17 09:15
310-114352-37	GP4 (7-9')	Soil	09/13/17 13:20	09/15/17 09:15
310-114352-38	GP5 (0-2')	Soil	09/13/17 13:40	09/15/17 09:15
310-114352-39	GP5 (7-9')	Soil	09/13/17 14:00	09/15/17 09:15
310-114352-40	GP8 (0-2')	Soil	09/13/17 17:05	09/15/17 09:15
310-114352-41	GP8 (5-7')	Soil	09/13/17 17:20	09/15/17 09:15
310-114352-42	DUP-01	Soil	09/12/17 00:00	09/15/17 09:15
310-114352-43	DUP-03	Soil	09/12/17 00:00	09/15/17 09:15
310-114352-44	TB1	Solid	09/13/17 00:00	09/15/17 09:15
310-114352-45	TB2	Solid	09/13/17 00:00	09/15/17 09:15
310-114352-46	TB3	Solid	09/13/17 00:00	09/15/17 09:15
310-114352-47	TW17 (01)	Ground Water	09/11/17 15:30	09/15/17 09:15
310-114352-48	TW18 (01)	Ground Water	09/11/17 17:30	09/15/17 09:15
310-114352-49	TW15 (01)	Ground Water	09/12/17 11:20	09/15/17 09:15
310-114352-50	TW9 (01)	Ground Water	09/13/17 10:15	09/15/17 09:15
310-114352-51	DUP-02	Water	09/12/17 00:00	09/15/17 09:15
310-114352-52	TB4	Water	09/13/17 00:00	09/15/17 09:15

DRAFT

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP17 (0-2')

Lab Sample ID: 310-114352-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.171		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]pyrene	0.186		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.246		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.122		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Chrysene	0.183		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Fluoranthene	0.315		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.128		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Phenanthrene	0.203		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Pyrene	0.292		0.109		mg/Kg	10	*	8270D SIM	Total/NA
Barium	211		0.868		mg/Kg	2	*	6010C	Total/NA
Chromium	27.6		1.74		mg/Kg	2	*	6010C	Total/NA
Lead	32.5		8.68		mg/Kg	2	*	6010C	Total/NA
Mercury	0.0519		0.0188		mg/Kg	1	*	7471B	Total/NA

Client Sample ID: GP17 (15-16')

Lab Sample ID: 310-114352-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0166		0.0120		mg/Kg	1	*	8270D SIM	Total/NA
Naphthalene	0.0154		0.0120		mg/Kg	1	*	8270D SIM	Total/NA
Arsenic	4.39		3.64		mg/Kg	1	*	6010C	Total/NA
Barium	138		0.455		mg/Kg	1	*	6010C	Total/NA
Cadmium	1.15		0.910		mg/Kg	1	*	6010C	Total/NA
Chromium	27.5		0.910		mg/Kg	1	*	6010C	Total/NA
Lead	11.7		4.55		mg/Kg	1	*	6010C	Total/NA
Mercury	0.0402		0.0197		mg/Kg	1	*	7471B	Total/NA

Client Sample ID: GP18 (0-2')

Lab Sample ID: 310-114352-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	0.463		0.352		mg/Kg	1	*	8260C	Total/NA
2-Methylnaphthalene	1.00		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Anthracene	0.191		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]anthracene	0.529		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]pyrene	0.627		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.659		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.615		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.173		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Chrysene	0.729		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.195		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Fluoranthene	0.707		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Fluorene	0.109		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.393		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Naphthalene	0.735		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Phenanthrene	1.10		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Pyrene	0.828		0.106		mg/Kg	10	*	8270D SIM	Total/NA
Barium	238		0.782		mg/Kg	2	*	6010C	Total/NA
Chromium	38.7		1.56		mg/Kg	2	*	6010C	Total/NA
Lead	132		7.82		mg/Kg	2	*	6010C	Total/NA
Mercury	0.125		0.0196		mg/Kg	1	*	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (12-14')

Lab Sample ID: 310-114352-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	14.0		7.37		mg/Kg	2	☒	6010C	Total/NA
Barium	269		0.921		mg/Kg	2	☒	6010C	Total/NA
Chromium	29.3		1.84		mg/Kg	2	☒	6010C	Total/NA
Lead	24.8		9.21		mg/Kg	2	☒	6010C	Total/NA
Mercury	0.0348		0.0192		mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: GP12 (0-2')

Lab Sample ID: 310-114352-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.163		0.136		mg/Kg	1	☒	8260C	Total/NA
2-Methylnaphthalene	0.372		0.131		mg/Kg	10	☒	8270D SIM	Total/NA
Naphthalene	0.256		0.131		mg/Kg	10	☒	8270D SIM	Total/NA
Phenanthrene	0.152		0.131		mg/Kg	10	☒	8270D SIM	Total/NA
Barium	205		1.00		mg/Kg	2	☒	6010C	Total/NA
Chromium	32.8		2.01		mg/Kg	2	☒	6010C	Total/NA
Lead	78.8		10.0		mg/Kg	2	☒	6010C	Total/NA
Mercury	0.0571		0.0195		mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: GP12 (16-17')

Lab Sample ID: 310-114352-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.0556		0.0124		mg/Kg	1	☒	8270D SIM	Total/NA
Anthracene	0.0427		0.0124		mg/Kg	1	☒	8270D SIM	Total/NA
Phenanthrene	0.0283		0.0124		mg/Kg	1	☒	8270D SIM	Total/NA
Pyrene	0.0180		0.0124		mg/Kg	1	☒	8270D SIM	Total/NA
Barium	147		0.960		mg/Kg	2	☒	6010C	Total/NA
Chromium	30.1		1.92		mg/Kg	2	☒	6010C	Total/NA
Lead	10.9		9.60		mg/Kg	2	☒	6010C	Total/NA
Mercury	0.0372		0.0188		mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: GP16 (0-2')

Lab Sample ID: 310-114352-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.134		0.114		mg/Kg	10	☒	8270D SIM	Total/NA
Barium	167		0.918		mg/Kg	2	☒	6010C	Total/NA
Chromium	28.8		1.84		mg/Kg	2	☒	6010C	Total/NA
Lead	12.5		9.18		mg/Kg	2	☒	6010C	Total/NA
Mercury	0.0401		0.0194		mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: GP16 (12-14')

Lab Sample ID: 310-114352-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.519		0.123		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[a]anthracene	0.380		0.123		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[a]pyrene	0.395		0.123		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.585		0.123		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.255		0.123		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.198		0.123		mg/Kg	10	☒	8270D SIM	Total/NA
Chrysene	0.450		0.123		mg/Kg	10	☒	8270D SIM	Total/NA
Fluoranthene	0.752		0.123		mg/Kg	10	☒	8270D SIM	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (12-14') (Continued)

Lab Sample ID: 310-114352-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	0.248		0.123		mg/Kg	10	☼	8270D SIM	Total/NA
Naphthalene	0.423		0.123		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	0.568		0.123		mg/Kg	10	☼	8270D SIM	Total/NA
Pyrene	0.657		0.123		mg/Kg	10	☼	8270D SIM	Total/NA
Arsenic	10.9		3.81		mg/Kg	1	☼	6010C	Total/NA
Barium	155		0.476		mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.10		0.952		mg/Kg	1	☼	6010C	Total/NA
Chromium	28.5		0.952		mg/Kg	1	☼	6010C	Total/NA
Lead	86.4		4.76		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.231		0.0198		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP14 (0-2')

Lab Sample ID: 310-114352-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.115		0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Barium	212		0.907		mg/Kg	2	☼	6010C	Total/NA
Chromium	26.8		1.81		mg/Kg	2	☼	6010C	Total/NA
Lead	50.5		9.07		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0836		0.0198		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP14 (17-19')

Lab Sample ID: 310-114352-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	185		0.861		mg/Kg	2	☼	6010C	Total/NA
Chromium	28.4		1.72		mg/Kg	2	☼	6010C	Total/NA
Lead	11.0		8.61		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0384		0.0192		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP13 (0-2')

Lab Sample ID: 310-114352-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.261		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]anthracene	0.215		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]pyrene	0.236		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.313		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.149		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Chrysene	0.241		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Fluoranthene	0.461		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.158		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Naphthalene	0.213		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	0.355		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Pyrene	0.427		0.127		mg/Kg	10	☼	8270D SIM	Total/NA
Barium	159		0.868		mg/Kg	2	☼	6010C	Total/NA
Chromium	30.4		1.74		mg/Kg	2	☼	6010C	Total/NA
Lead	40.4		8.68		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.100		0.0196		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP13 (13-15')

Lab Sample ID: 310-114352-12

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP13 (13-15') (Continued)

Lab Sample ID: 310-114352-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.89		7.25		mg/Kg	2	☒	6010C	Total/NA
Barium	178	F1	0.907		mg/Kg	2	☒	6010C	Total/NA
Chromium	26.1		1.81		mg/Kg	2	☒	6010C	Total/NA
Lead	10.3		9.07		mg/Kg	2	☒	6010C	Total/NA
Mercury	0.0390		0.0190		mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: GP15 (2-3')

Lab Sample ID: 310-114352-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.630		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[a]anthracene	0.241		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[a]pyrene	0.247		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.391		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.150		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Chrysene	0.296		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Fluoranthene	0.456		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.177		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Naphthalene	0.533		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Phenanthrene	0.432		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Pyrene	0.386		0.122		mg/Kg	10	☒	8270D SIM	Total/NA
Barium	208		0.859		mg/Kg	2	☒	6010C	Total/NA
Chromium	13.3		1.72		mg/Kg	2	☒	6010C	Total/NA
Lead	73.3		8.59		mg/Kg	2	☒	6010C	Total/NA
Mercury	0.0661		0.0193		mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: GP15 (17-19')

Lab Sample ID: 310-114352-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	204		0.930		mg/Kg	2	☒	6010C	Total/NA
Chromium	25.9		1.86		mg/Kg	2	☒	6010C	Total/NA
Lead	13.2		9.30		mg/Kg	2	☒	6010C	Total/NA
Mercury	0.0422		0.0199		mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: GP2 (1-2')

Lab Sample ID: 310-114352-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.158		0.127		mg/Kg	1	☒	8260C	Total/NA
2-Methylnaphthalene	1.09		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Acenaphthene	1.49		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Anthracene	2.42		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[a]anthracene	5.25		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[a]pyrene	5.50		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[b]fluoranthene	6.52		1.19		mg/Kg	100	☒	8270D SIM	Total/NA
Benzo[g,h,i]perylene	2.92		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Benzo[k]fluoranthene	2.88		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Chrysene	5.38		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.742		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Fluoranthene	11.1		1.19		mg/Kg	100	☒	8270D SIM	Total/NA
Fluorene	1.24		0.119		mg/Kg	10	☒	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	3.56		0.119		mg/Kg	10	☒	8270D SIM	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (1-2') (Continued)

Lab Sample ID: 310-114352-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	1.02		0.119		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	8.47		1.19		mg/Kg	100	☼	8270D SIM	Total/NA
Pyrene	8.94		1.19		mg/Kg	100	☼	8270D SIM	Total/NA
Arsenic	5.72		3.43		mg/Kg	1	☼	6010C	Total/NA
Barium	387		0.429		mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.928		0.858		mg/Kg	1	☼	6010C	Total/NA
Chromium	9.74		0.858		mg/Kg	1	☼	6010C	Total/NA
Lead	114		4.29		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0669		0.0185		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP2 (18-20')

Lab Sample ID: 310-114352-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	196		0.988		mg/Kg	2	☼	6010C	Total/NA
Chromium	30.1		1.98		mg/Kg	2	☼	6010C	Total/NA
Lead	10.3		9.88		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0408		0.0191		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP7 (0-2')

Lab Sample ID: 310-114352-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.267		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Acenaphthylene	0.144		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Anthracene	0.120		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]anthracene	0.594		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]pyrene	0.707		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	1.06		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.449		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.377		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Chrysene	0.688		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.126		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Fluoranthene	1.07		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.538		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Naphthalene	0.218		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	0.423		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Pyrene	0.960		0.115		mg/Kg	10	☼	8270D SIM	Total/NA
Barium	190		0.806		mg/Kg	2	☼	6010C	Total/NA
Chromium	22.5		1.61		mg/Kg	2	☼	6010C	Total/NA
Lead	80.7		8.06		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.155		0.0186		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP7 (14-16)

Lab Sample ID: 310-114352-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	165		0.959		mg/Kg	2	☼	6010C	Total/NA
Chromium	30.8		1.92		mg/Kg	2	☼	6010C	Total/NA
Lead	11.5		9.59		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0413		0.0189		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP6 (0-2')

Lab Sample ID: 310-114352-19

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (0-2') (Continued)

Lab Sample ID: 310-114352-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.351		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]anthracene	0.212		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]pyrene	0.241		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.345		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.183		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.118		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Chrysene	0.252		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Fluoranthene	0.391		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.191		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Naphthalene	0.262		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Phenanthrene	0.360		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Pyrene	0.360		0.112		mg/Kg	10	*	8270D SIM	Total/NA
Arsenic	7.48		3.87		mg/Kg	1	*	6010C	Total/NA
Barium	195		0.484		mg/Kg	1	*	6010C	Total/NA
Cadmium	1.30		0.968		mg/Kg	1	*	6010C	Total/NA
Chromium	24.0		0.968		mg/Kg	1	*	6010C	Total/NA
Lead	29.8		4.84		mg/Kg	1	*	6010C	Total/NA
Mercury	0.0496		0.0198		mg/Kg	1	*	7471B	Total/NA

Client Sample ID: GP6 (5-6')

Lab Sample ID: 310-114352-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
p-Isopropyltoluene	10.4		0.136		mg/Kg	1	*	8260C	Total/NA
2-Methylnaphthalene	1.22		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]anthracene	0.167		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]pyrene	0.156		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.217		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Chrysene	0.189		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Fluoranthene	0.270		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Naphthalene	0.796		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Phenanthrene	0.560		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Pyrene	0.241		0.134		mg/Kg	10	*	8270D SIM	Total/NA
Barium	144		0.507		mg/Kg	1	*	6010C	Total/NA
Chromium	22.4		1.01		mg/Kg	1	*	6010C	Total/NA
Lead	26.0		5.07		mg/Kg	1	*	6010C	Total/NA
Mercury	0.248		0.0188		mg/Kg	1	*	7471B	Total/NA

Client Sample ID: GP20 (0-2')

Lab Sample ID: 310-114352-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.115		0.111		mg/Kg	1	*	8260C	Total/NA
p-Isopropyltoluene	0.132		0.111		mg/Kg	1	*	8260C	Total/NA
Benzo[b]fluoranthene	1.06		1.05		mg/Kg	100	*	8270D SIM	Total/NA
Barium	214		0.753		mg/Kg	2	*	6010C	Total/NA
Cadmium	3.57		1.51		mg/Kg	2	*	6010C	Total/NA
Chromium	19.0		1.51		mg/Kg	2	*	6010C	Total/NA
Lead	361		7.53		mg/Kg	2	*	6010C	Total/NA
Mercury	10.6		0.964		mg/Kg	50	*	7471B	Total/NA

Client Sample ID: GP20(15-17')

Lab Sample ID: 310-114352-22

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20(15-17') (Continued)

Lab Sample ID: 310-114352-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.140		0.139		mg/Kg	1	☼	8260C	Total/NA
Benzo[a]anthracene	0.0155		0.0126		mg/Kg	1	☼	8270D SIM	Total/NA
Benzo[a]pyrene	0.0150		0.0126		mg/Kg	1	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.0308		0.0126		mg/Kg	1	☼	8270D SIM	Total/NA
Chrysene	0.0218		0.0126		mg/Kg	1	☼	8270D SIM	Total/NA
Fluoranthene	0.0303		0.0126		mg/Kg	1	☼	8270D SIM	Total/NA
Phenanthrene	0.0164		0.0126		mg/Kg	1	☼	8270D SIM	Total/NA
Pyrene	0.0258		0.0126		mg/Kg	1	☼	8270D SIM	Total/NA
Arsenic	4.56		3.66		mg/Kg	1	☼	6010C	Total/NA
Barium	171		0.457		mg/Kg	1	☼	6010C	Total/NA
Chromium	25.2		0.915		mg/Kg	1	☼	6010C	Total/NA
Lead	11.9		4.57		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0503		0.0193		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP19 (0-2')

Lab Sample ID: 310-114352-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butylbenzene	0.233		0.127		mg/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.210		0.127		mg/Kg	1	☼	8260C	Total/NA
Hexane	0.146		0.127		mg/Kg	1	☼	8260C	Total/NA
Naphthalene	0.705		0.318		mg/Kg	1	☼	8260C	Total/NA
Toluene	0.377		0.127		mg/Kg	1	☼	8260C	Total/NA
1,2,4-Trimethylbenzene	0.448		0.127		mg/Kg	1	☼	8260C	Total/NA
1,3,5-Trimethylbenzene	0.203		0.127		mg/Kg	1	☼	8260C	Total/NA
Xylenes, Total	0.530		0.191		mg/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	2.47		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Acenaphthene	0.835		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Acenaphthylene	0.184		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Anthracene	1.08		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]anthracene	2.06		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]pyrene	2.22		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	3.46		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	1.39		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[k]fluoranthene	1.04		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Chrysene	2.54		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.347		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Fluoranthene	7.12		1.06		mg/Kg	100	☼	8270D SIM	Total/NA
Fluorene	1.16		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	1.57		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Naphthalene	1.37		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	4.41		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Pyrene	4.97		0.106		mg/Kg	10	☼	8270D SIM	Total/NA
Arsenic	28.7		16.1		mg/Kg	5	☼	6010C	Total/NA
Barium	893		2.02		mg/Kg	5	☼	6010C	Total/NA
Cadmium	18.9		4.03		mg/Kg	5	☼	6010C	Total/NA
Chromium	54.8		4.03		mg/Kg	5	☼	6010C	Total/NA
Lead	3150		20.2		mg/Kg	5	☼	6010C	Total/NA
Mercury	8.65		0.941		mg/Kg	50	☼	7471B	Total/NA

Client Sample ID: GP19 (6.5-7')

Lab Sample ID: 310-114352-24

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (6.5-7') (Continued)

Lab Sample ID: 310-114352-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.323		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]anthracene	0.179		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]pyrene	0.181		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.285		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.107		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Chrysene	0.220		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Fluoranthene	0.435		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.105		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Naphthalene	0.256		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Phenanthrene	0.360		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Pyrene	0.413		0.103		mg/Kg	10	*	8270D SIM	Total/NA
Arsenic	66.4		3.04		mg/Kg	1	*	6010C	Total/NA
Barium	191		0.380		mg/Kg	1	*	6010C	Total/NA
Cadmium	0.941		0.759		mg/Kg	1	*	6010C	Total/NA
Chromium	13.4		0.759		mg/Kg	1	*	6010C	Total/NA
Lead	170		3.80		mg/Kg	1	*	6010C	Total/NA
Mercury	0.631		0.0981		mg/Kg	5	*	7471B	Total/NA

Client Sample ID: GP19 (17-19')

Lab Sample ID: 310-114352-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	7.20		3.84		mg/Kg	1	*	6010C	Total/NA
Barium	135		0.480		mg/Kg	1	*	6010C	Total/NA
Chromium	27.7		0.960		mg/Kg	1	*	6010C	Total/NA
Lead	11.9		4.80		mg/Kg	1	*	6010C	Total/NA
Mercury	0.0384		0.0186		mg/Kg	1	*	7471B	Total/NA

Client Sample ID: GP10 (1-2')

Lab Sample ID: 310-114352-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.223		0.132		mg/Kg	1	*	8260C	Total/NA
2-Methylnaphthalene	0.609		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Acenaphthylene	0.197		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Anthracene	0.512		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]anthracene	1.64		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]pyrene	2.12		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	2.99		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[g,h,i]perylene	1.66		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.948		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Chrysene	1.74		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.351		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Fluoranthene	3.10		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Fluorene	0.178		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	1.80		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Naphthalene	0.588		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Phenanthrene	1.88		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Pyrene	2.83		0.127		mg/Kg	10	*	8270D SIM	Total/NA
Arsenic	24.4		22.6		mg/Kg	6	*	6010C	Total/NA
Barium	743		2.83		mg/Kg	6	*	6010C	Total/NA
Chromium	38.4		5.65		mg/Kg	6	*	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP10 (1-2') (Continued)

Lab Sample ID: 310-114352-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	2210		28.3		mg/Kg	6	☼	6010C	Total/NA
Mercury	10.3		0.956		mg/Kg	50	☼	7471B	Total/NA

Client Sample ID: GP10 (7-9')

Lab Sample ID: 310-114352-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.21		3.48		mg/Kg	1	☼	6010C	Total/NA
Barium	172		0.435		mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.01		0.869		mg/Kg	1	☼	6010C	Total/NA
Chromium	25.4		0.869		mg/Kg	1	☼	6010C	Total/NA
Lead	11.8		4.35		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0406		0.0194		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP9 (0-2')

Lab Sample ID: 310-114352-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.450		0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]anthracene	0.321	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]pyrene	0.367	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.632	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.285	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.216	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Chrysene	0.366	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Fluoranthene	0.537	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.317	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Naphthalene	0.322		0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	0.415	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Pyrene	0.461	F1	0.112		mg/Kg	10	☼	8270D SIM	Total/NA
Barium	357		1.36		mg/Kg	3	☼	6010C	Total/NA
Cadmium	4.29		2.72		mg/Kg	3	☼	6010C	Total/NA
Chromium	21.6		2.72		mg/Kg	3	☼	6010C	Total/NA
Lead	304		13.6		mg/Kg	3	☼	6010C	Total/NA
Mercury	0.392		0.0176		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP9 (7-8')

Lab Sample ID: 310-114352-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.85		3.91		mg/Kg	1	☼	6010C	Total/NA
Barium	196		0.489		mg/Kg	1	☼	6010C	Total/NA
Chromium	28.2		0.978		mg/Kg	1	☼	6010C	Total/NA
Lead	12.8		4.89		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0436		0.0191		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP11 (1-2')

Lab Sample ID: 310-114352-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.151		0.132		mg/Kg	1	☼	8260C	Total/NA
Toluene	0.183		0.132		mg/Kg	1	☼	8260C	Total/NA
1,2,4-Trimethylbenzene	0.156		0.132		mg/Kg	1	☼	8260C	Total/NA
Xylenes, Total	0.386		0.199		mg/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (1-2') (Continued)

Lab Sample ID: 310-114352-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.552		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]anthracene	0.172		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[a]pyrene	0.186		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.385		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.221		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Chrysene	0.170		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Fluoranthene	0.207		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.181		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Naphthalene	0.364		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Phenanthrene	0.332		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Pyrene	0.191		0.117		mg/Kg	10	*	8270D SIM	Total/NA
Arsenic	6.96		6.96		mg/Kg	2	*	6010C	Total/NA
Barium	378		0.870		mg/Kg	2	*	6010C	Total/NA
Chromium	16.7		1.74		mg/Kg	2	*	6010C	Total/NA
Lead	468		8.70		mg/Kg	2	*	6010C	Total/NA
Mercury	0.137		0.0187		mg/Kg	1	*	7471B	Total/NA

Client Sample ID: GP11 (12-14')

Lab Sample ID: 310-114352-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.141		0.117		mg/Kg	1	*	8260C	Total/NA
Barium	179		0.986		mg/Kg	2	*	6010C	Total/NA
Chromium	27.9		1.97		mg/Kg	2	*	6010C	Total/NA
Lead	13.7		9.86		mg/Kg	2	*	6010C	Total/NA
Mercury	0.0302		0.0191		mg/Kg	1	*	7471B	Total/NA

Client Sample ID: GP3 (2-4')

Lab Sample ID: 310-114352-32

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.0161		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Acenaphthylene	0.0259		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Anthracene	0.0573		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Benzo[a]anthracene	0.259		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Benzo[a]pyrene	0.327		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.406		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.174		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.150		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Chrysene	0.257		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.0477		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Fluoranthene	0.417		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Fluorene	0.0195		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.164		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Naphthalene	0.0420		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Phenanthrene	0.137		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Pyrene	0.392		0.0124		mg/Kg	1	*	8270D SIM	Total/NA
Barium	171		0.954		mg/Kg	2	*	6010C	Total/NA
Chromium	30.0		1.91		mg/Kg	2	*	6010C	Total/NA
Lead	13.1		9.54		mg/Kg	2	*	6010C	Total/NA
Mercury	0.0875		0.0193		mg/Kg	1	*	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP3 (7-9')

Lab Sample ID: 310-114352-33

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	141		0.890		mg/Kg	2	☼	6010C	Total/NA
Chromium	27.5		1.78		mg/Kg	2	☼	6010C	Total/NA
Lead	12.2		8.90		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0526		0.0182		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP1 (0-2')

Lab Sample ID: 310-114352-34

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.0107		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Benzo[a]anthracene	0.0288		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Benzo[a]pyrene	0.0347		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.0549		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.0270		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.0184		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Chrysene	0.0350		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Fluoranthene	0.0561		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.0264		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Phenanthrene	0.0252		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Pyrene	0.0481		0.0102		mg/Kg	1	☼	8270D SIM	Total/NA
Barium	71.6		0.703		mg/Kg	2	☼	6010C	Total/NA
Chromium	12.7		1.41		mg/Kg	2	☼	6010C	Total/NA
Lead	7.47		7.03		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0211		0.0197		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP1 (12-14')

Lab Sample ID: 310-114352-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	0.132		0.129		mg/Kg	1	☼	8260C	Total/NA
Barium	193		0.898		mg/Kg	2	☼	6010C	Total/NA
Chromium	23.2		1.80		mg/Kg	2	☼	6010C	Total/NA
Lead	9.69		8.98		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0422		0.0199		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP4 (2-3')

Lab Sample ID: 310-114352-36

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	136		0.857		mg/Kg	2	☼	6010C	Total/NA
Chromium	28.7		1.71		mg/Kg	2	☼	6010C	Total/NA
Lead	10.9		8.57		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0353		0.0199		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP4 (7-9')

Lab Sample ID: 310-114352-37

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	166		0.891		mg/Kg	2	☼	6010C	Total/NA
Chromium	30.7		1.78		mg/Kg	2	☼	6010C	Total/NA
Lead	11.6		8.91		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0451		0.0187		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP5 (0-2')

Lab Sample ID: 310-114352-38

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (0-2') (Continued)

Lab Sample ID: 310-114352-38

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.320		0.114		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.217		0.114		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.247		0.114		mg/Kg	10	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.181		0.114		mg/Kg	10	☼	8270D SIM	Total/NA
Naphthalene	0.232		0.114		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	0.137		0.114		mg/Kg	10	☼	8270D SIM	Total/NA
Barium	178		1.65		mg/Kg	4	☼	6010C	Total/NA
Chromium	13.9		3.31		mg/Kg	4	☼	6010C	Total/NA
Lead	19.6		16.5		mg/Kg	4	☼	6010C	Total/NA
Mercury	0.0249		0.0188		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP5 (7-9')

Lab Sample ID: 310-114352-39

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	229		0.995		mg/Kg	2	☼	6010C	Total/NA
Chromium	30.4		1.99		mg/Kg	2	☼	6010C	Total/NA
Lead	27.1		9.95		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0350		0.0185		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP8 (0-2')

Lab Sample ID: 310-114352-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.122		0.118		mg/Kg	1	☼	8260C	Total/NA
2-Methylnaphthalene	0.457		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]anthracene	0.297		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[a]pyrene	0.343		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[b]fluoranthene	0.498		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[g,h,i]perylene	0.247		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Benzo[k]fluoranthene	0.188		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Chrysene	0.317		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Dibenz(a,h)anthracene	0.165		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Fluoranthene	0.528		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.276		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Naphthalene	0.314		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Phenanthrene	0.361		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Pyrene	0.451		0.110		mg/Kg	10	☼	8270D SIM	Total/NA
Barium	158		0.858		mg/Kg	2	☼	6010C	Total/NA
Chromium	27.3		1.72		mg/Kg	2	☼	6010C	Total/NA
Lead	10.2		8.58		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0644		0.0190		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: GP8 (5-7')

Lab Sample ID: 310-114352-41

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.138		0.126		mg/Kg	1	☼	8260C	Total/NA
Barium	163		0.978		mg/Kg	2	☼	6010C	Total/NA
Chromium	32.7		1.96		mg/Kg	2	☼	6010C	Total/NA
Lead	12.7		9.78		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0402		0.0192		mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Client Sample ID: DUP-01

Lab Sample ID: 310-114352-42

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.87		3.89		mg/Kg	1	☼	6010C	Total/NA
Barium	174		0.486		mg/Kg	1	☼	6010C	Total/NA
Cadmium	1.15		0.971		mg/Kg	1	☼	6010C	Total/NA
Chromium	28.9		0.971		mg/Kg	1	☼	6010C	Total/NA
Lead	12.0		4.86		mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0284		0.0195		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: DUP-03

Lab Sample ID: 310-114352-43

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.151		0.131		mg/Kg	1	☼	8260C	Total/NA
1,2,4-Trimethylbenzene	0.164		0.131		mg/Kg	1	☼	8260C	Total/NA
Barium	187		0.933		mg/Kg	2	☼	6010C	Total/NA
Chromium	28.6		1.87		mg/Kg	2	☼	6010C	Total/NA
Lead	11.6		9.33		mg/Kg	2	☼	6010C	Total/NA
Mercury	0.0426		0.0194		mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: TB1

Lab Sample ID: 310-114352-44

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.128		0.100		mg/Kg	1		8260C	Total/NA

Client Sample ID: TB2

Lab Sample ID: 310-114352-45

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.144		0.100		mg/Kg	1		8260C	Total/NA

Client Sample ID: TB3

Lab Sample ID: 310-114352-46

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.102		0.100		mg/Kg	1		8260C	Total/NA

Client Sample ID: TW17 (01)

Lab Sample ID: 310-114352-47

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	18.5		10.0		ug/L	1		8260C	Total/NA

Client Sample ID: TW18 (01)

Lab Sample ID: 310-114352-48

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17.8		10.0		ug/L	1		8260C	Total/NA
Arsenic	0.0422		0.00200		mg/L	1		6020A	Dissolved
Barium	0.833		0.00200		mg/L	1		6020A	Dissolved
Lead	0.00105		0.000500		mg/L	1		6020A	Dissolved

Client Sample ID: TW15 (01)

Lab Sample ID: 310-114352-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	28.4		10.0		ug/L	1		8260C	Total/NA
Arsenic	0.0123		0.00200		mg/L	1		6020A	Dissolved

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Detection Summary

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Client Sample ID: TW15 (01) (Continued)

Lab Sample ID: 310-114352-49

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.649		0.00200		mg/L	1		6020A	Dissolved
Lead	0.00167		0.000500		mg/L	1		6020A	Dissolved

Client Sample ID: TW9 (01)

Lab Sample ID: 310-114352-50

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	3.07		1.00		ug/L	1		8260C	Total/NA
Arsenic	0.00308		0.00200		mg/L	1		6020A	Dissolved
Barium	0.0979		0.00200		mg/L	1		6020A	Dissolved
Lead	0.000565		0.000500		mg/L	1		6020A	Dissolved

Client Sample ID: DUP-02

Lab Sample ID: 310-114352-51

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37.2		10.0		ug/L	1		8260C	Total/NA
Arsenic	0.0121		0.00200		mg/L	1		6020A	Dissolved
Barium	0.621		0.00200		mg/L	1		6020A	Dissolved
Lead	0.00101		0.000500		mg/L	1		6020A	Dissolved

Client Sample ID: TB4

Lab Sample ID: 310-114352-52

No Detections.

DRAFT

This Detection Summary does not include radiochemical test results.

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP17 (0-2')

Lab Sample ID: 310-114352-1

Date Collected: 09/11/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 86.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.593		0.593		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Benzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Bromobenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Bromochloromethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Bromodichloromethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Bromoform	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Bromomethane	<0.593		0.593		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
2-Butanone (MEK)	<0.296		0.296		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
n-Butylbenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
sec-Butylbenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
tert-Butylbenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Carbon disulfide	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Carbon tetrachloride	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Chlorobenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Chlorodibromomethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Chloroethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Chloroform	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Chloromethane	<0.296		0.296		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
2-Chlorotoluene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
4-Chlorotoluene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,2-Dibromo-3-Chloropropane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,2-Dibromoethane (EDB)	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Dibromomethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,2-Dichlorobenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,3-Dichlorobenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,4-Dichlorobenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Dichlorodifluoromethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,1-Dichloroethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,2-Dichloroethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,1-Dichloroethene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
cis-1,2-Dichloroethene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
trans-1,2-Dichloroethene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,2-Dichloropropane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,3-Dichloropropane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
2,2-Dichloropropane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,1-Dichloropropene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
cis-1,3-Dichloropropene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
trans-1,3-Dichloropropene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Ethylbenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Hexachlorobutadiene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Hexane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Isopropylbenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
p-Isopropyltoluene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Methylene Chloride	<0.296		0.296		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Methyl tert-butyl ether	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Naphthalene	<0.296		0.296		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
N-Propylbenzene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
Styrene	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1
1,1,1,2-Tetrachloroethane	<0.119		0.119		mg/Kg	*	09/18/17 07:23	09/18/17 16:29	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP17 (0-2')

Lab Sample ID: 310-114352-1

Date Collected: 09/11/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 86.1

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	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
Tetrachloroethene	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
Toluene	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
1,2,3-Trichlorobenzene	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
1,2,4-Trichlorobenzene	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
1,1,1-Trichloroethane	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
1,1,1,2-Trichloroethane	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
Trichloroethene	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
Trichlorofluoromethane	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
1,2,3-Trichloropropane	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
1,2,4-Trimethylbenzene	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
1,3,5-Trimethylbenzene	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
Vinyl chloride	<0.119		0.119		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1
Xylenes, Total	<0.178		0.178		mg/Kg	☼	09/18/17 07:23	09/18/17 16:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119	09/18/17 07:23	09/18/17 16:29	1
Dibromofluoromethane (Surr)	99		75 - 115	09/18/17 07:23	09/18/17 16:29	1
Toluene-d8 (Surr)	98		78 - 118	09/18/17 07:23	09/18/17 16:29	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Acenaphthene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Acenaphthylene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Anthracene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Benzo[a]anthracene	0.171		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Benzo[a]pyrene	0.186		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Benzo[b]fluoranthene	0.246		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Benzo[g,h,i]perylene	0.122		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Benzo[k]fluoranthene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Chrysene	0.183		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Dibenz(a,h)anthracene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Fluoranthene	0.315		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Fluorene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Indeno[1,2,3-cd]pyrene	0.128		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Naphthalene	<0.109		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Phenanthrene	0.203		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10
Pyrene	0.292		0.109		mg/Kg	☼	09/15/17 18:20	09/21/17 04:56	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	90		32 - 110	09/15/17 18:20	09/21/17 04:56	10
Nitrobenzene-d5 (Surr)	90		15 - 113	09/15/17 18:20	09/21/17 04:56	10
Terphenyl-d14 (Surr)	87		31 - 110	09/15/17 18:20	09/21/17 04:56	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.94		6.94		mg/Kg	☼	09/18/17 10:00	09/18/17 20:39	2
Barium	211		0.868		mg/Kg	☼	09/18/17 10:00	09/18/17 20:39	2
Cadmium	<1.74		1.74		mg/Kg	☼	09/18/17 10:00	09/18/17 20:39	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Client Sample ID: GP17 (0-2')

Lab Sample ID: 310-114352-1

Date Collected: 09/11/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 86.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	27.6		1.74		mg/Kg	☼	09/18/17 10:00	09/18/17 20:39	2
Lead	32.5		8.68		mg/Kg	☼	09/18/17 10:00	09/18/17 20:39	2
Selenium	<13.0		13.0		mg/Kg	☼	09/18/17 10:00	09/18/17 20:39	2
Silver	<1.74		1.74		mg/Kg	☼	09/18/17 10:00	09/18/17 20:39	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0519		0.0188		mg/Kg	☼	09/19/17 12:57	09/20/17 13:13	1

DRAFT

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP17 (15-16')

Lab Sample ID: 310-114352-2

Date Collected: 09/11/17 14:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.666		0.666		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Benzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Bromobenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Bromochloromethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Bromodichloromethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Bromoform	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Bromomethane	<0.666		0.666		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
2-Butanone (MEK)	<0.333		0.333		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
n-Butylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
sec-Butylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
tert-Butylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Carbon disulfide	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Carbon tetrachloride	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Chlorobenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Chlorodibromomethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Chloroethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Chloroform	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Chloromethane	<0.333		0.333		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
2-Chlorotoluene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
4-Chlorotoluene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2-Dibromo-3-Chloropropane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2-Dibromoethane (EDB)	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Dibromomethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2-Dichlorobenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,3-Dichlorobenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,4-Dichlorobenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Dichlorodifluoromethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,1-Dichloroethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2-Dichloroethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,1-Dichloroethene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
cis-1,2-Dichloroethene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
trans-1,2-Dichloroethene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2-Dichloropropane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,3-Dichloropropane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
2,2-Dichloropropane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,1-Dichloropropene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
cis-1,3-Dichloropropene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
trans-1,3-Dichloropropene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Ethylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Hexachlorobutadiene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Hexane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Isopropylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
p-Isopropyltoluene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Methylene Chloride	<0.333		0.333		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Methyl tert-butyl ether	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Naphthalene	<0.333		0.333		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
N-Propylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Styrene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,1,1,2-Tetrachloroethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP17 (15-16')

Lab Sample ID: 310-114352-2

Date Collected: 09/11/17 14:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.8

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	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Tetrachloroethene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Toluene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2,3-Trichlorobenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2,4-Trichlorobenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,1,1-Trichloroethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,1,1,2-Trichloroethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Trichloroethene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Trichlorofluoromethane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2,3-Trichloropropane	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,2,4-Trimethylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
1,3,5-Trimethylbenzene	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Vinyl chloride	<0.133		0.133		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Xylenes, Total	<0.200		0.200		mg/Kg	☼	09/18/17 07:23	09/18/17 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/18/17 07:23	09/18/17 16:53	1
Dibromofluoromethane (Surr)	97		75 - 115				09/18/17 07:23	09/18/17 16:53	1
Toluene-d8 (Surr)	99		78 - 118				09/18/17 07:23	09/18/17 16:53	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Acenaphthene	0.0166		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Acenaphthylene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Anthracene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Benzo[a]anthracene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Benzo[a]pyrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Benzo[b]fluoranthene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Benzo[g,h,i]perylene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Benzo[k]fluoranthene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Chrysene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Dibenz(a,h)anthracene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Fluoranthene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Fluorene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Indeno[1,2,3-cd]pyrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Naphthalene	0.0154		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Phenanthrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Pyrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 05:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	69		32 - 110				09/15/17 18:20	09/21/17 05:27	1
Nitrobenzene-d5 (Surr)	75		15 - 113				09/15/17 18:20	09/21/17 05:27	1
Terphenyl-d14 (Surr)	61		31 - 110				09/15/17 18:20	09/21/17 05:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.39		3.64		mg/Kg	☼	09/18/17 10:00	09/18/17 18:51	1
Barium	138		0.455		mg/Kg	☼	09/18/17 10:00	09/18/17 18:51	1
Cadmium	1.15		0.910		mg/Kg	☼	09/18/17 10:00	09/18/17 18:51	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP17 (15-16')

Lab Sample ID: 310-114352-2

Date Collected: 09/11/17 14:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	27.5		0.910		mg/Kg	☼	09/18/17 10:00	09/18/17 18:51	1
Lead	11.7		4.55		mg/Kg	☼	09/18/17 10:00	09/18/17 18:51	1
Selenium	<6.83		6.83		mg/Kg	☼	09/18/17 10:00	09/18/17 18:51	1
Silver	<0.910		0.910		mg/Kg	☼	09/18/17 10:00	09/18/17 18:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0402		0.0197		mg/Kg	☼	09/19/17 12:57	09/20/17 13:15	1

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- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (0-2')

Lab Sample ID: 310-114352-3

Date Collected: 09/11/17 16:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 88.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.704		0.704		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Benzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Bromobenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Bromochloromethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Bromodichloromethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Bromoform	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Bromomethane	<0.704		0.704		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
2-Butanone (MEK)	<0.352		0.352		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
n-Butylbenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
sec-Butylbenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
tert-Butylbenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Carbon disulfide	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Carbon tetrachloride	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Chlorobenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Chlorodibromomethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Chloroethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Chloroform	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Chloromethane	<0.352		0.352		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
2-Chlorotoluene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
4-Chlorotoluene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,2-Dibromo-3-Chloropropane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,2-Dibromoethane (EDB)	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Dibromomethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,2-Dichlorobenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,3-Dichlorobenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,4-Dichlorobenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Dichlorodifluoromethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,1-Dichloroethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,2-Dichloroethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,1-Dichloroethene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
cis-1,2-Dichloroethene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
trans-1,2-Dichloroethene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,2-Dichloropropane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,3-Dichloropropane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
2,2-Dichloropropane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,1-Dichloropropene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
cis-1,3-Dichloropropene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
trans-1,3-Dichloropropene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Ethylbenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Hexachlorobutadiene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Hexane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Isopropylbenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
p-Isopropyltoluene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Methylene Chloride	<0.352		0.352		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Methyl tert-butyl ether	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Naphthalene	0.463		0.352		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
N-Propylbenzene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
Styrene	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1
1,1,1,2-Tetrachloroethane	<0.141		0.141		mg/Kg	*	09/18/17 07:23	09/18/17 17:17	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (0-2')

Lab Sample ID: 310-114352-3

Date Collected: 09/11/17 16:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 88.3

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	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
Tetrachloroethene	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
Toluene	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
1,2,3-Trichlorobenzene	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
1,2,4-Trichlorobenzene	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
1,1,1-Trichloroethane	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
1,1,2-Trichloroethane	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
Trichloroethene	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
Trichlorofluoromethane	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
1,2,3-Trichloropropane	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
1,2,4-Trimethylbenzene	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
1,3,5-Trimethylbenzene	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
Vinyl chloride	<0.141		0.141		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
Xylenes, Total	<0.211		0.211		mg/Kg	☼	09/18/17 07:23	09/18/17 17:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 119				09/18/17 07:23	09/18/17 17:17	1
Dibromofluoromethane (Surr)	99		75 - 115				09/18/17 07:23	09/18/17 17:17	1
Toluene-d8 (Surr)	96		78 - 118				09/18/17 07:23	09/18/17 17:17	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1.00		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Acenaphthene	<0.106		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Acenaphthylene	<0.106		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Anthracene	0.191		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Benzo[a]anthracene	0.529		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Benzo[a]pyrene	0.627		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Benzo[b]fluoranthene	0.659		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Benzo[g,h,i]perylene	0.615		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Benzo[k]fluoranthene	0.173		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Chrysene	0.729		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Dibenz(a,h)anthracene	0.195		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Fluoranthene	0.707		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Fluorene	0.109		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Indeno[1,2,3-cd]pyrene	0.393		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Naphthalene	0.735		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Phenanthrene	1.10		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Pyrene	0.828		0.106		mg/Kg	☼	09/15/17 18:20	09/21/17 05:59	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		32 - 110				09/15/17 18:20	09/21/17 05:59	10
Nitrobenzene-d5 (Surr)	70		15 - 113				09/15/17 18:20	09/21/17 05:59	10
Terphenyl-d14 (Surr)	90		31 - 110				09/15/17 18:20	09/21/17 05:59	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.25		6.25		mg/Kg	☼	09/18/17 10:00	09/18/17 20:42	2
Barium	238		0.782		mg/Kg	☼	09/18/17 10:00	09/18/17 20:42	2
Cadmium	<1.56		1.56		mg/Kg	☼	09/18/17 10:00	09/18/17 20:42	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (0-2')

Lab Sample ID: 310-114352-3

Date Collected: 09/11/17 16:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 88.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	38.7		1.56		mg/Kg	☼	09/18/17 10:00	09/18/17 20:42	2
Lead	132		7.82		mg/Kg	☼	09/18/17 10:00	09/18/17 20:42	2
Selenium	<11.7		11.7		mg/Kg	☼	09/18/17 10:00	09/18/17 20:42	2
Silver	<1.56		1.56		mg/Kg	☼	09/18/17 10:00	09/18/17 20:42	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.125		0.0196		mg/Kg	☼	09/19/17 12:57	09/20/17 13:16	1

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- 1
- 2
- 3
- 4
- 5
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (12-14')

Lab Sample ID: 310-114352-4

Date Collected: 09/11/17 16:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.669		0.669		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Benzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Bromobenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Bromochloromethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Bromodichloromethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Bromoform	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Bromomethane	<0.669		0.669		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
2-Butanone (MEK)	<0.334		0.334		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
n-Butylbenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
sec-Butylbenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
tert-Butylbenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Carbon disulfide	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Carbon tetrachloride	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Chlorobenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Chlorodibromomethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Chloroethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Chloroform	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Chloromethane	<0.334		0.334		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
2-Chlorotoluene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
4-Chlorotoluene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,2-Dibromo-3-Chloropropane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,2-Dibromoethane (EDB)	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Dibromomethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,2-Dichlorobenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,3-Dichlorobenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,4-Dichlorobenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Dichlorodifluoromethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,1-Dichloroethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,2-Dichloroethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,1-Dichloroethene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
cis-1,2-Dichloroethene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
trans-1,2-Dichloroethene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,2-Dichloropropane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,3-Dichloropropane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
2,2-Dichloropropane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,1-Dichloropropene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
cis-1,3-Dichloropropene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
trans-1,3-Dichloropropene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Ethylbenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Hexachlorobutadiene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Hexane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Isopropylbenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
p-Isopropyltoluene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Methylene Chloride	<0.334		0.334		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Methyl tert-butyl ether	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Naphthalene	<0.334		0.334		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
N-Propylbenzene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
Styrene	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1
1,1,1,2-Tetrachloroethane	<0.134		0.134		mg/Kg	*	09/18/17 07:23	09/18/17 17:41	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (12-14')

Lab Sample ID: 310-114352-4

Date Collected: 09/11/17 16:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.6

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	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
Tetrachloroethene	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
Toluene	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
1,2,3-Trichlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
1,2,4-Trichlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
1,1,1-Trichloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
1,1,2-Trichloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
Trichloroethene	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
Trichlorofluoromethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
1,2,3-Trichloropropane	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
1,2,4-Trimethylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
1,3,5-Trimethylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
Vinyl chloride	<0.134		0.134		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
Xylenes, Total	<0.201		0.201		mg/Kg	☼	09/18/17 07:23	09/18/17 17:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 119				09/18/17 07:23	09/18/17 17:41	1
Dibromofluoromethane (Surr)	98		75 - 115				09/18/17 07:23	09/18/17 17:41	1
Toluene-d8 (Surr)	97		78 - 118				09/18/17 07:23	09/18/17 17:41	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Acenaphthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Acenaphthylene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Anthracene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Benzo[a]anthracene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Benzo[a]pyrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Benzo[b]fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Benzo[g,h,i]perylene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Benzo[k]fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Chrysene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Dibenz(a,h)anthracene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Fluorene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Indeno[1,2,3-cd]pyrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Naphthalene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Phenanthrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Pyrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 06:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		32 - 110				09/15/17 18:20	09/21/17 06:30	1
Nitrobenzene-d5 (Surr)	87		15 - 113				09/15/17 18:20	09/21/17 06:30	1
Terphenyl-d14 (Surr)	58		31 - 110				09/15/17 18:20	09/21/17 06:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.0		7.37		mg/Kg	☼	09/18/17 10:00	09/18/17 20:44	2
Barium	269		0.921		mg/Kg	☼	09/18/17 10:00	09/18/17 20:44	2
Cadmium	<1.84		1.84		mg/Kg	☼	09/18/17 10:00	09/18/17 20:44	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (12-14')

Lab Sample ID: 310-114352-4

Date Collected: 09/11/17 16:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	29.3		1.84		mg/Kg	☼	09/18/17 10:00	09/18/17 20:44	2
Lead	24.8		9.21		mg/Kg	☼	09/18/17 10:00	09/18/17 20:44	2
Selenium	<13.8		13.8		mg/Kg	☼	09/18/17 10:00	09/18/17 20:44	2
Silver	<1.84		1.84		mg/Kg	☼	09/18/17 10:00	09/18/17 20:44	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0348		0.0192		mg/Kg	☼	09/19/17 12:57	09/20/17 13:18	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP12 (0-2')

Lab Sample ID: 310-114352-5

Date Collected: 09/11/17 17:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 72.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.678		0.678		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Benzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Bromobenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Bromochloromethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Bromodichloromethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Bromoform	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Bromomethane	<0.678		0.678		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
2-Butanone (MEK)	<0.339		0.339		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
n-Butylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
sec-Butylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
tert-Butylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Carbon disulfide	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Carbon tetrachloride	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Chlorobenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Chlorodibromomethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Chloroethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Chloroform	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Chloromethane	<0.339		0.339		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
2-Chlorotoluene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
4-Chlorotoluene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2-Dibromo-3-Chloropropane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2-Dibromoethane (EDB)	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Dibromomethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2-Dichlorobenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,3-Dichlorobenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,4-Dichlorobenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Dichlorodifluoromethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,1-Dichloroethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2-Dichloroethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,1-Dichloroethene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
cis-1,2-Dichloroethene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
trans-1,2-Dichloroethene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2-Dichloropropane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,3-Dichloropropane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
2,2-Dichloropropane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,1-Dichloropropene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
cis-1,3-Dichloropropene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
trans-1,3-Dichloropropene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Ethylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Hexachlorobutadiene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Hexane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Isopropylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
p-Isopropyltoluene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Methylene Chloride	<0.339		0.339		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Methyl tert-butyl ether	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Naphthalene	<0.339		0.339		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
N-Propylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Styrene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,1,1,2-Tetrachloroethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP12 (0-2')

Lab Sample ID: 310-114352-5

Date Collected: 09/11/17 17:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 72.8

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	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Tetrachloroethene	0.163		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Toluene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2,3-Trichlorobenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2,4-Trichlorobenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,1,1-Trichloroethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,1,2-Trichloroethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Trichloroethene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Trichlorofluoromethane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2,3-Trichloropropane	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,2,4-Trimethylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
1,3,5-Trimethylbenzene	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Vinyl chloride	<0.136		0.136		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Xylenes, Total	<0.204		0.204		mg/Kg	☼	09/18/17 07:23	09/18/17 18:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		79 - 119				09/18/17 07:23	09/18/17 18:05	1
Dibromofluoromethane (Surr)	100		75 - 115				09/18/17 07:23	09/18/17 18:05	1
Toluene-d8 (Surr)	99		78 - 118				09/18/17 07:23	09/18/17 18:05	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.372		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Acenaphthene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Acenaphthylene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Anthracene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Benzo[a]anthracene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Benzo[a]pyrene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Benzo[b]fluoranthene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Benzo[g,h,i]perylene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Benzo[k]fluoranthene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Chrysene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Dibenz(a,h)anthracene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Fluoranthene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Fluorene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Indeno[1,2,3-cd]pyrene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Naphthalene	0.256		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Phenanthrene	0.152		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Pyrene	<0.131		0.131		mg/Kg	☼	09/15/17 18:20	09/21/17 07:01	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		32 - 110				09/15/17 18:20	09/21/17 07:01	10
Nitrobenzene-d5 (Surr)	67		15 - 113				09/15/17 18:20	09/21/17 07:01	10
Terphenyl-d14 (Surr)	52		31 - 110				09/15/17 18:20	09/21/17 07:01	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<8.03		8.03		mg/Kg	☼	09/18/17 10:00	09/18/17 20:46	2
Barium	205		1.00		mg/Kg	☼	09/18/17 10:00	09/18/17 20:46	2
Cadmium	<2.01		2.01		mg/Kg	☼	09/18/17 10:00	09/18/17 20:46	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP12 (0-2')

Lab Sample ID: 310-114352-5

Date Collected: 09/11/17 17:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 72.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	32.8		2.01		mg/Kg	☼	09/18/17 10:00	09/18/17 20:46	2
Lead	78.8		10.0		mg/Kg	☼	09/18/17 10:00	09/18/17 20:46	2
Selenium	<15.1		15.1		mg/Kg	☼	09/18/17 10:00	09/18/17 20:46	2
Silver	<2.01		2.01		mg/Kg	☼	09/18/17 10:00	09/18/17 20:46	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0571		0.0195		mg/Kg	☼	09/19/17 12:57	09/20/17 13:20	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP12 (16-17')

Lab Sample ID: 310-114352-6

Date Collected: 09/11/17 18:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.636		0.636		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Benzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Bromobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Bromochloromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Bromodichloromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Bromoform	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Bromomethane	<0.636		0.636		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
2-Butanone (MEK)	<0.318		0.318		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
n-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
sec-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
tert-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Carbon disulfide	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Carbon tetrachloride	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Chlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Chlorodibromomethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Chloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Chloroform	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Chloromethane	<0.318		0.318		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
2-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
4-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2-Dibromo-3-Chloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2-Dibromoethane (EDB)	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Dibromomethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,3-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,4-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Dichlorodifluoromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,1-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,1-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
cis-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
trans-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,3-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
2,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,1-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
cis-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
trans-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Ethylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Hexachlorobutadiene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Hexane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Isopropylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
p-Isopropyltoluene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Methylene Chloride	<0.318		0.318		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Methyl tert-butyl ether	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Naphthalene	<0.318		0.318		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
N-Propylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Styrene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,1,1,2-Tetrachloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP12 (16-17')

Lab Sample ID: 310-114352-6

Date Collected: 09/11/17 18:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

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	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Tetrachloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Toluene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2,3-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2,4-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,1,1-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,1,1,2-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Trichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Trichlorofluoromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2,3-Trichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,2,4-Trimethylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
1,3,5-Trimethylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Vinyl chloride	<0.127		0.127		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Xylenes, Total	<0.191		0.191		mg/Kg	☼	09/18/17 07:23	09/18/17 18:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 119				09/18/17 07:23	09/18/17 18:29	1
Dibromofluoromethane (Surr)	97		75 - 115				09/18/17 07:23	09/18/17 18:29	1
Toluene-d8 (Surr)	97		78 - 118				09/18/17 07:23	09/18/17 18:29	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Acenaphthene	0.0556		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Acenaphthylene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Anthracene	0.0427		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Benzo[a]anthracene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Benzo[a]pyrene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Benzo[b]fluoranthene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Benzo[g,h,i]perylene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Benzo[k]fluoranthene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Chrysene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Dibenz(a,h)anthracene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Fluoranthene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Fluorene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Indeno[1,2,3-cd]pyrene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Naphthalene	<0.0124		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Phenanthrene	0.0283		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Pyrene	0.0180		0.0124		mg/Kg	☼	09/15/17 18:20	09/21/17 07:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	54		32 - 110				09/15/17 18:20	09/21/17 07:33	1
Nitrobenzene-d5 (Surr)	70		15 - 113				09/15/17 18:20	09/21/17 07:33	1
Terphenyl-d14 (Surr)	50		31 - 110				09/15/17 18:20	09/21/17 07:33	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.68		7.68		mg/Kg	☼	09/18/17 10:00	09/18/17 20:48	2
Barium	147		0.960		mg/Kg	☼	09/18/17 10:00	09/18/17 20:48	2
Cadmium	<1.92		1.92		mg/Kg	☼	09/18/17 10:00	09/18/17 20:48	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP12 (16-17')

Lab Sample ID: 310-114352-6

Date Collected: 09/11/17 18:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	30.1		1.92		mg/Kg	☼	09/18/17 10:00	09/18/17 20:48	2
Lead	10.9		9.60		mg/Kg	☼	09/18/17 10:00	09/18/17 20:48	2
Selenium	<14.4		14.4		mg/Kg	☼	09/18/17 10:00	09/18/17 20:48	2
Silver	<1.92		1.92		mg/Kg	☼	09/18/17 10:00	09/18/17 20:48	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0372		0.0188		mg/Kg	☼	09/19/17 12:57	09/20/17 13:21	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (0-2')

Lab Sample ID: 310-114352-7

Date Collected: 09/12/17 08:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.549		0.549		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Benzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Bromobenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Bromochloromethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Bromodichloromethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Bromoform	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Bromomethane	<0.549		0.549		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
2-Butanone (MEK)	<0.275		0.275		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
n-Butylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
sec-Butylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
tert-Butylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Carbon disulfide	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Carbon tetrachloride	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Chlorobenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Chlorodibromomethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Chloroethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Chloroform	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Chloromethane	<0.275		0.275		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
2-Chlorotoluene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
4-Chlorotoluene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2-Dibromo-3-Chloropropane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2-Dibromoethane (EDB)	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Dibromomethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2-Dichlorobenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,3-Dichlorobenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,4-Dichlorobenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Dichlorodifluoromethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,1-Dichloroethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2-Dichloroethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,1-Dichloroethene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
cis-1,2-Dichloroethene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
trans-1,2-Dichloroethene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2-Dichloropropane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,3-Dichloropropane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
2,2-Dichloropropane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,1-Dichloropropene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
cis-1,3-Dichloropropene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
trans-1,3-Dichloropropene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Ethylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Hexachlorobutadiene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Hexane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Isopropylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
p-Isopropyltoluene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Methylene Chloride	<0.275		0.275		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Methyl tert-butyl ether	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Naphthalene	<0.275		0.275		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
N-Propylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Styrene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,1,1,2-Tetrachloroethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (0-2')

Lab Sample ID: 310-114352-7

Date Collected: 09/12/17 08:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

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	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Tetrachloroethene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Toluene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2,3-Trichlorobenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2,4-Trichlorobenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,1,1-Trichloroethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,1,2-Trichloroethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Trichloroethene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Trichlorofluoromethane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2,3-Trichloropropane	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,2,4-Trimethylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
1,3,5-Trimethylbenzene	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Vinyl chloride	<0.110		0.110		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Xylenes, Total	<0.165		0.165		mg/Kg	☼	09/18/17 07:23	09/18/17 18:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/18/17 07:23	09/18/17 18:53	1
Dibromofluoromethane (Surr)	97		75 - 115				09/18/17 07:23	09/18/17 18:53	1
Toluene-d8 (Surr)	99		78 - 118				09/18/17 07:23	09/18/17 18:53	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Acenaphthene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Acenaphthylene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Anthracene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Benzo[a]anthracene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Benzo[a]pyrene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Benzo[b]fluoranthene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Benzo[g,h,i]perylene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Benzo[k]fluoranthene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Chrysene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Dibenz(a,h)anthracene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Fluoranthene	0.134		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Fluorene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Indeno[1,2,3-cd]pyrene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Naphthalene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Phenanthrene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Pyrene	<0.114		0.114		mg/Kg	☼	09/15/17 18:20	09/21/17 08:04	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	63		32 - 110				09/15/17 18:20	09/21/17 08:04	10
Nitrobenzene-d5 (Surr)	57		15 - 113				09/15/17 18:20	09/21/17 08:04	10
Terphenyl-d14 (Surr)	56		31 - 110				09/15/17 18:20	09/21/17 08:04	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.35		7.35		mg/Kg	☼	09/18/17 10:00	09/18/17 20:50	2
Barium	167		0.918		mg/Kg	☼	09/18/17 10:00	09/18/17 20:50	2
Cadmium	<1.84		1.84		mg/Kg	☼	09/18/17 10:00	09/18/17 20:50	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (0-2')

Lab Sample ID: 310-114352-7

Date Collected: 09/12/17 08:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.8		1.84		mg/Kg	☼	09/18/17 10:00	09/18/17 20:50	2
Lead	12.5		9.18		mg/Kg	☼	09/18/17 10:00	09/18/17 20:50	2
Selenium	<13.8		13.8		mg/Kg	☼	09/18/17 10:00	09/18/17 20:50	2
Silver	<1.84		1.84		mg/Kg	☼	09/18/17 10:00	09/18/17 20:50	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0401		0.0194		mg/Kg	☼	09/19/17 12:57	09/20/17 13:23	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (12-14')

Lab Sample ID: 310-114352-8

Date Collected: 09/12/17 08:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.671		0.671		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Benzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Bromobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Bromochloromethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Bromodichloromethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Bromoform	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Bromomethane	<0.671		0.671		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
2-Butanone (MEK)	<0.335		0.335		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
n-Butylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
sec-Butylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
tert-Butylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Carbon disulfide	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Carbon tetrachloride	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Chlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Chlorodibromomethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Chloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Chloroform	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Chloromethane	<0.335		0.335		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
2-Chlorotoluene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
4-Chlorotoluene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2-Dibromo-3-Chloropropane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2-Dibromoethane (EDB)	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Dibromomethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2-Dichlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,3-Dichlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,4-Dichlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Dichlorodifluoromethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,1-Dichloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2-Dichloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,1-Dichloroethene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
cis-1,2-Dichloroethene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
trans-1,2-Dichloroethene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2-Dichloropropane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,3-Dichloropropane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
2,2-Dichloropropane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,1-Dichloropropene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
cis-1,3-Dichloropropene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
trans-1,3-Dichloropropene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Ethylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Hexachlorobutadiene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Hexane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Isopropylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
p-Isopropyltoluene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Methylene Chloride	<0.335		0.335		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Methyl tert-butyl ether	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Naphthalene	<0.335		0.335		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
N-Propylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Styrene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,1,1,2-Tetrachloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (12-14')

Lab Sample ID: 310-114352-8

Date Collected: 09/12/17 08:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

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	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Tetrachloroethene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Toluene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2,3-Trichlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2,4-Trichlorobenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,1,1-Trichloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,1,2-Trichloroethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Trichloroethene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Trichlorofluoromethane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2,3-Trichloropropane	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,2,4-Trimethylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
1,3,5-Trimethylbenzene	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Vinyl chloride	<0.134		0.134		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Xylenes, Total	<0.201		0.201		mg/Kg	☼	09/18/17 07:34	09/18/17 22:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/18/17 07:34	09/18/17 22:54	1
Dibromofluoromethane (Surr)	98		75 - 115				09/18/17 07:34	09/18/17 22:54	1
Toluene-d8 (Surr)	98		78 - 118				09/18/17 07:34	09/18/17 22:54	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.519		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Acenaphthene	<0.123		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Acenaphthylene	<0.123		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Anthracene	<0.123		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Benzo[a]anthracene	0.380		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Benzo[a]pyrene	0.395		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Benzo[b]fluoranthene	0.585		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Benzo[g,h,i]perylene	0.255		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Benzo[k]fluoranthene	0.198		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Chrysene	0.450		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Dibenz(a,h)anthracene	<0.123		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Fluoranthene	0.752		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Fluorene	<0.123		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Indeno[1,2,3-cd]pyrene	0.248		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Naphthalene	0.423		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Phenanthrene	0.568		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Pyrene	0.657		0.123		mg/Kg	☼	09/15/17 18:20	09/21/17 08:36	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		32 - 110				09/15/17 18:20	09/21/17 08:36	10
Nitrobenzene-d5 (Surr)	71		15 - 113				09/15/17 18:20	09/21/17 08:36	10
Terphenyl-d14 (Surr)	67		31 - 110				09/15/17 18:20	09/21/17 08:36	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.9		3.81		mg/Kg	☼	09/18/17 10:00	09/18/17 19:08	1
Barium	155		0.476		mg/Kg	☼	09/18/17 10:00	09/18/17 19:08	1
Cadmium	1.10		0.952		mg/Kg	☼	09/18/17 10:00	09/18/17 19:08	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (12-14')

Lab Sample ID: 310-114352-8

Date Collected: 09/12/17 08:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.5		0.952		mg/Kg	☼	09/18/17 10:00	09/18/17 19:08	1
Lead	86.4		4.76		mg/Kg	☼	09/18/17 10:00	09/18/17 19:08	1
Selenium	<7.14		7.14		mg/Kg	☼	09/18/17 10:00	09/18/17 19:08	1
Silver	<0.952		0.952		mg/Kg	☼	09/18/17 10:00	09/18/17 19:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.231		0.0198		mg/Kg	☼	09/19/17 12:57	09/20/17 13:28	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP14 (0-2')

Lab Sample ID: 310-114352-9

Date Collected: 09/12/17 08:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 81.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.561		0.561		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Benzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Bromobenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Bromochloromethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Bromodichloromethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Bromoform	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Bromomethane	<0.561		0.561		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
2-Butanone (MEK)	<0.280		0.280		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
n-Butylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
sec-Butylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
tert-Butylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Carbon disulfide	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Carbon tetrachloride	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Chlorobenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Chlorodibromomethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Chloroethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Chloroform	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Chloromethane	<0.280		0.280		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
2-Chlorotoluene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
4-Chlorotoluene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2-Dibromo-3-Chloropropane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2-Dibromoethane (EDB)	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Dibromomethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2-Dichlorobenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,3-Dichlorobenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,4-Dichlorobenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Dichlorodifluoromethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,1-Dichloroethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2-Dichloroethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,1-Dichloroethene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
cis-1,2-Dichloroethene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
trans-1,2-Dichloroethene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2-Dichloropropane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,3-Dichloropropane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
2,2-Dichloropropane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,1-Dichloropropene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
cis-1,3-Dichloropropene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
trans-1,3-Dichloropropene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Ethylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Hexachlorobutadiene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Hexane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Isopropylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
p-Isopropyltoluene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Methylene Chloride	<0.280		0.280		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Methyl tert-butyl ether	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Naphthalene	<0.280		0.280		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
N-Propylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Styrene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,1,1,2-Tetrachloroethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP14 (0-2')

Lab Sample ID: 310-114352-9

Date Collected: 09/12/17 08:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 81.4

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	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Tetrachloroethene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Toluene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2,3-Trichlorobenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2,4-Trichlorobenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,1,1-Trichloroethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,1,2-Trichloroethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Trichloroethene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Trichlorofluoromethane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2,3-Trichloropropane	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,2,4-Trimethylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
1,3,5-Trimethylbenzene	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Vinyl chloride	<0.112		0.112		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Xylenes, Total	<0.168		0.168		mg/Kg	☼	09/18/17 07:34	09/18/17 23:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/18/17 07:34	09/18/17 23:18	1
Dibromofluoromethane (Surr)	98		75 - 115				09/18/17 07:34	09/18/17 23:18	1
Toluene-d8 (Surr)	97		78 - 118				09/18/17 07:34	09/18/17 23:18	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Acenaphthene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Acenaphthylene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Anthracene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Benzo[a]anthracene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Benzo[a]pyrene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Benzo[b]fluoranthene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Benzo[g,h,i]perylene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Benzo[k]fluoranthene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Chrysene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Dibenz(a,h)anthracene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Fluoranthene	0.115		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Fluorene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Indeno[1,2,3-cd]pyrene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Naphthalene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Phenanthrene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Pyrene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 09:07	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	45		32 - 110				09/15/17 18:20	09/21/17 09:07	10
Nitrobenzene-d5 (Surr)	43		15 - 113				09/15/17 18:20	09/21/17 09:07	10
Terphenyl-d14 (Surr)	56		31 - 110				09/15/17 18:20	09/21/17 09:07	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.26		7.26		mg/Kg	☼	09/18/17 10:00	09/18/17 20:56	2
Barium	212		0.907		mg/Kg	☼	09/18/17 10:00	09/18/17 20:56	2
Cadmium	<1.81		1.81		mg/Kg	☼	09/18/17 10:00	09/18/17 20:56	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP14 (0-2')

Lab Sample ID: 310-114352-9

Date Collected: 09/12/17 08:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 81.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	26.8		1.81		mg/Kg	☼	09/18/17 10:00	09/18/17 20:56	2
Lead	50.5		9.07		mg/Kg	☼	09/18/17 10:00	09/18/17 20:56	2
Selenium	<13.6		13.6		mg/Kg	☼	09/18/17 10:00	09/18/17 20:56	2
Silver	<1.81		1.81		mg/Kg	☼	09/18/17 10:00	09/18/17 20:56	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0836		0.0198		mg/Kg	☼	09/19/17 12:57	09/20/17 13:29	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP14 (17-19')

Lab Sample ID: 310-114352-10

Date Collected: 09/12/17 09:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.588		0.588		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Benzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Bromobenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Bromochloromethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Bromodichloromethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Bromoform	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Bromomethane	<0.588		0.588		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
2-Butanone (MEK)	<0.294		0.294		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
n-Butylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
sec-Butylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
tert-Butylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Carbon disulfide	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Carbon tetrachloride	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Chlorobenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Chlorodibromomethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Chloroethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Chloroform	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Chloromethane	<0.294		0.294		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
2-Chlorotoluene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
4-Chlorotoluene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2-Dibromo-3-Chloropropane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2-Dibromoethane (EDB)	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Dibromomethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2-Dichlorobenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,3-Dichlorobenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,4-Dichlorobenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Dichlorodifluoromethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,1-Dichloroethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2-Dichloroethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,1-Dichloroethene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
cis-1,2-Dichloroethene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
trans-1,2-Dichloroethene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2-Dichloropropane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,3-Dichloropropane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
2,2-Dichloropropane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,1-Dichloropropene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
cis-1,3-Dichloropropene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
trans-1,3-Dichloropropene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Ethylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Hexachlorobutadiene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Hexane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Isopropylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
p-Isopropyltoluene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Methylene Chloride	<0.294		0.294		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Methyl tert-butyl ether	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Naphthalene	<0.294		0.294		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
N-Propylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Styrene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,1,1,2-Tetrachloroethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP14 (17-19')

Lab Sample ID: 310-114352-10

Date Collected: 09/12/17 09:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.1

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	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Tetrachloroethene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Toluene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2,3-Trichlorobenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2,4-Trichlorobenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,1,1-Trichloroethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,1,2-Trichloroethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Trichloroethene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Trichlorofluoromethane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2,3-Trichloropropane	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,2,4-Trimethylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
1,3,5-Trimethylbenzene	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Vinyl chloride	<0.118		0.118		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Xylenes, Total	<0.176		0.176		mg/Kg	☼	09/18/17 07:34	09/18/17 23:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/18/17 07:34	09/18/17 23:42	1
Dibromofluoromethane (Surr)	97		75 - 115				09/18/17 07:34	09/18/17 23:42	1
Toluene-d8 (Surr)	97		78 - 118				09/18/17 07:34	09/18/17 23:42	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Acenaphthene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Acenaphthylene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Anthracene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Benzo[a]anthracene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Benzo[a]pyrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Benzo[b]fluoranthene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Benzo[g,h,i]perylene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Benzo[k]fluoranthene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Chrysene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Dibenz(a,h)anthracene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Fluoranthene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Fluorene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Indeno[1,2,3-cd]pyrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Naphthalene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Phenanthrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Pyrene	<0.0120		0.0120		mg/Kg	☼	09/15/17 18:20	09/21/17 09:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	57		32 - 110				09/15/17 18:20	09/21/17 09:39	1
Nitrobenzene-d5 (Surr)	69		15 - 113				09/15/17 18:20	09/21/17 09:39	1
Terphenyl-d14 (Surr)	49		31 - 110				09/15/17 18:20	09/21/17 09:39	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.89		6.89		mg/Kg	☼	09/18/17 10:00	09/18/17 20:59	2
Barium	185		0.861		mg/Kg	☼	09/18/17 10:00	09/18/17 20:59	2
Cadmium	<1.72		1.72		mg/Kg	☼	09/18/17 10:00	09/18/17 20:59	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP14 (17-19')

Lab Sample ID: 310-114352-10

Date Collected: 09/12/17 09:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.4		1.72		mg/Kg	☼	09/18/17 10:00	09/18/17 20:59	2
Lead	11.0		8.61		mg/Kg	☼	09/18/17 10:00	09/18/17 20:59	2
Selenium	<12.9		12.9		mg/Kg	☼	09/18/17 10:00	09/18/17 20:59	2
Silver	<1.72		1.72		mg/Kg	☼	09/18/17 10:00	09/18/17 20:59	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0384		0.0192		mg/Kg	☼	09/19/17 12:57	09/20/17 13:31	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP13 (0-2')

Lab Sample ID: 310-114352-11

Date Collected: 09/12/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.660		0.660		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Benzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Bromobenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Bromochloromethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Bromodichloromethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Bromoform	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Bromomethane	<0.660		0.660		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
2-Butanone (MEK)	<0.330		0.330		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
n-Butylbenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
sec-Butylbenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
tert-Butylbenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Carbon disulfide	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Carbon tetrachloride	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Chlorobenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Chlorodibromomethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Chloroethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Chloroform	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Chloromethane	<0.330		0.330		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
2-Chlorotoluene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
4-Chlorotoluene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,2-Dibromo-3-Chloropropane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,2-Dibromoethane (EDB)	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Dibromomethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,2-Dichlorobenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,3-Dichlorobenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,4-Dichlorobenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Dichlorodifluoromethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,1-Dichloroethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,2-Dichloroethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,1-Dichloroethene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
cis-1,2-Dichloroethene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
trans-1,2-Dichloroethene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,2-Dichloropropane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,3-Dichloropropane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
2,2-Dichloropropane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,1-Dichloropropene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
cis-1,3-Dichloropropene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
trans-1,3-Dichloropropene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Ethylbenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Hexachlorobutadiene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Hexane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Isopropylbenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
p-Isopropyltoluene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Methylene Chloride	<0.330		0.330		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Methyl tert-butyl ether	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Naphthalene	<0.330		0.330		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
N-Propylbenzene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
Styrene	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1
1,1,1,2-Tetrachloroethane	<0.132		0.132		mg/Kg	*	09/18/17 07:34	09/19/17 00:06	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP13 (0-2')

Lab Sample ID: 310-114352-11

Date Collected: 09/12/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.7

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	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
Tetrachloroethene	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
Toluene	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
1,2,3-Trichlorobenzene	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
1,2,4-Trichlorobenzene	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
1,1,1-Trichloroethane	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
1,1,2-Trichloroethane	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
Trichloroethene	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
Trichlorofluoromethane	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
1,2,3-Trichloropropane	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
1,2,4-Trimethylbenzene	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
1,3,5-Trimethylbenzene	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
Vinyl chloride	<0.132		0.132		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
Xylenes, Total	<0.198		0.198		mg/Kg	☼	09/18/17 07:34	09/19/17 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/18/17 07:34	09/19/17 00:06	1
Dibromofluoromethane (Surr)	99		75 - 115				09/18/17 07:34	09/19/17 00:06	1
Toluene-d8 (Surr)	97		78 - 118				09/18/17 07:34	09/19/17 00:06	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.261		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Acenaphthene	<0.127		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Acenaphthylene	<0.127		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Anthracene	<0.127		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Benzo[a]anthracene	0.215		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Benzo[a]pyrene	0.236		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Benzo[b]fluoranthene	0.313		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Benzo[g,h,i]perylene	0.149		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Benzo[k]fluoranthene	<0.127		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Chrysene	0.241		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Dibenz(a,h)anthracene	<0.127		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Fluoranthene	0.461		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Fluorene	<0.127		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Indeno[1,2,3-cd]pyrene	0.158		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Naphthalene	0.213		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Phenanthrene	0.355		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Pyrene	0.427		0.127		mg/Kg	☼	09/15/17 18:20	09/21/17 10:10	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		32 - 110				09/15/17 18:20	09/21/17 10:10	10
Nitrobenzene-d5 (Surr)	69		15 - 113				09/15/17 18:20	09/21/17 10:10	10
Terphenyl-d14 (Surr)	80		31 - 110				09/15/17 18:20	09/21/17 10:10	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.94		6.94		mg/Kg	☼	09/18/17 10:00	09/18/17 21:01	2
Barium	159		0.868		mg/Kg	☼	09/18/17 10:00	09/18/17 21:01	2
Cadmium	<1.74		1.74		mg/Kg	☼	09/18/17 10:00	09/18/17 21:01	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP13 (0-2')

Lab Sample ID: 310-114352-11

Date Collected: 09/12/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	30.4		1.74		mg/Kg	☼	09/18/17 10:00	09/18/17 21:01	2
Lead	40.4		8.68		mg/Kg	☼	09/18/17 10:00	09/18/17 21:01	2
Selenium	<13.0		13.0		mg/Kg	☼	09/18/17 10:00	09/18/17 21:01	2
Silver	<1.74		1.74		mg/Kg	☼	09/18/17 10:00	09/18/17 21:01	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.100		0.0196		mg/Kg	☼	09/19/17 12:57	09/20/17 13:32	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP13 (13-15')

Lab Sample ID: 310-114352-12

Date Collected: 09/12/17 10:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.632		0.632		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Benzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Bromobenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Bromochloromethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Bromodichloromethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Bromoform	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Bromomethane	<0.632		0.632		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
2-Butanone (MEK)	<0.316		0.316		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
n-Butylbenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
sec-Butylbenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
tert-Butylbenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Carbon disulfide	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Carbon tetrachloride	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Chlorobenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Chlorodibromomethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Chloroethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Chloroform	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Chloromethane	<0.316		0.316		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
2-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
4-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,2-Dibromo-3-Chloropropane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,2-Dibromoethane (EDB)	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Dibromomethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,2-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,3-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,4-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Dichlorodifluoromethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,1-Dichloroethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,2-Dichloroethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,1-Dichloroethene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
cis-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
trans-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,3-Dichloropropane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
2,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,1-Dichloropropene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
cis-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
trans-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Ethylbenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Hexachlorobutadiene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Hexane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Isopropylbenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
p-Isopropyltoluene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Methylene Chloride	<0.316		0.316		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Methyl tert-butyl ether	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Naphthalene	<0.316		0.316		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
N-Propylbenzene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
Styrene	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1
1,1,1,2-Tetrachloroethane	<0.126		0.126		mg/Kg	*	09/18/17 07:23	09/18/17 19:17	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP13 (13-15')

Lab Sample ID: 310-114352-12

Date Collected: 09/12/17 10:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.7

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	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
Tetrachloroethene	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
Toluene	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
1,2,3-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
1,2,4-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
1,1,1-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
1,1,1,2-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
Trichloroethene	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
Trichlorofluoromethane	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
1,2,3-Trichloropropane	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
1,2,4-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
1,3,5-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
Vinyl chloride	<0.126		0.126		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
Xylenes, Total	<0.189		0.189		mg/Kg	☼	09/18/17 07:23	09/18/17 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/18/17 07:23	09/18/17 19:17	1
Dibromofluoromethane (Surr)	97		75 - 115				09/18/17 07:23	09/18/17 19:17	1
Toluene-d8 (Surr)	98		78 - 118				09/18/17 07:23	09/18/17 19:17	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Acenaphthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Acenaphthylene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Anthracene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Benzo[a]anthracene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Benzo[a]pyrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Benzo[b]fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Benzo[g,h,i]perylene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Benzo[k]fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Chrysene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Dibenz(a,h)anthracene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Fluorene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Indeno[1,2,3-cd]pyrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Naphthalene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Phenanthrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Pyrene	<0.0125		0.0125		mg/Kg	☼	09/15/17 18:20	09/21/17 04:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	64		32 - 110				09/15/17 18:20	09/21/17 04:25	1
Nitrobenzene-d5 (Surr)	78		15 - 113				09/15/17 18:20	09/21/17 04:25	1
Terphenyl-d14 (Surr)	60		31 - 110				09/15/17 18:20	09/21/17 04:25	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	8.89		7.25		mg/Kg	☼	09/18/17 10:00	09/18/17 21:03	2
Barium	178	F1	0.907		mg/Kg	☼	09/18/17 10:00	09/18/17 21:03	2
Cadmium	<1.81		1.81		mg/Kg	☼	09/18/17 10:00	09/18/17 21:03	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP13 (13-15')

Lab Sample ID: 310-114352-12

Date Collected: 09/12/17 10:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	26.1		1.81		mg/Kg	☼	09/18/17 10:00	09/18/17 21:03	2
Lead	10.3		9.07		mg/Kg	☼	09/18/17 10:00	09/18/17 21:03	2
Selenium	<13.6		13.6		mg/Kg	☼	09/18/17 10:00	09/18/17 21:03	2
Silver	<1.81		1.81		mg/Kg	☼	09/18/17 10:00	09/18/17 21:03	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0390		0.0190		mg/Kg	☼	09/19/17 12:57	09/20/17 13:34	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP15 (2-3')

Lab Sample ID: 310-114352-13

Date Collected: 09/12/17 10:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.600		0.600		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Benzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Bromobenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Bromochloromethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Bromodichloromethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Bromoform	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Bromomethane	<0.600		0.600		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
2-Butanone (MEK)	<0.300		0.300		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
n-Butylbenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
sec-Butylbenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
tert-Butylbenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Carbon disulfide	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Carbon tetrachloride	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Chlorobenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Chlorodibromomethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Chloroethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Chloroform	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Chloromethane	<0.300		0.300		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
2-Chlorotoluene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
4-Chlorotoluene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,2-Dibromo-3-Chloropropane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,2-Dibromoethane (EDB)	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Dibromomethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,2-Dichlorobenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,3-Dichlorobenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,4-Dichlorobenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Dichlorodifluoromethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,1-Dichloroethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,2-Dichloroethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,1-Dichloroethene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
cis-1,2-Dichloroethene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
trans-1,2-Dichloroethene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,2-Dichloropropane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,3-Dichloropropane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
2,2-Dichloropropane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,1-Dichloropropene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
cis-1,3-Dichloropropene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
trans-1,3-Dichloropropene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Ethylbenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Hexachlorobutadiene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Hexane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Isopropylbenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
p-Isopropyltoluene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Methylene Chloride	<0.300		0.300		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Methyl tert-butyl ether	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Naphthalene	<0.300		0.300		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
N-Propylbenzene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
Styrene	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1
1,1,1,2-Tetrachloroethane	<0.120		0.120		mg/Kg	*	09/18/17 07:34	09/19/17 00:30	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP15 (2-3')

Lab Sample ID: 310-114352-13

Date Collected: 09/12/17 10:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

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	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
Tetrachloroethene	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
Toluene	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
1,2,3-Trichlorobenzene	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
1,2,4-Trichlorobenzene	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
1,1,1-Trichloroethane	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
1,1,2-Trichloroethane	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
Trichloroethene	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
Trichlorofluoromethane	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
1,2,3-Trichloropropane	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
1,2,4-Trimethylbenzene	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
1,3,5-Trimethylbenzene	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
Vinyl chloride	<0.120		0.120		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
Xylenes, Total	<0.180		0.180		mg/Kg	☼	09/18/17 07:34	09/19/17 00:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 119				09/18/17 07:34	09/19/17 00:30	1
Dibromofluoromethane (Surr)	96		75 - 115				09/18/17 07:34	09/19/17 00:30	1
Toluene-d8 (Surr)	98		78 - 118				09/18/17 07:34	09/19/17 00:30	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.630		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Acenaphthene	<0.122		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Acenaphthylene	<0.122		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Anthracene	<0.122		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Benzo[a]anthracene	0.241		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Benzo[a]pyrene	0.247		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Benzo[b]fluoranthene	0.391		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Benzo[g,h,i]perylene	<0.122		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Benzo[k]fluoranthene	0.150		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Chrysene	0.296		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Dibenz(a,h)anthracene	<0.122		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Fluoranthene	0.456		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Fluorene	<0.122		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Indeno[1,2,3-cd]pyrene	0.177		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Naphthalene	0.533		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Phenanthrene	0.432		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Pyrene	0.386		0.122		mg/Kg	☼	09/15/17 18:20	09/21/17 10:42	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		32 - 110				09/15/17 18:20	09/21/17 10:42	10
Nitrobenzene-d5 (Surr)	80		15 - 113				09/15/17 18:20	09/21/17 10:42	10
Terphenyl-d14 (Surr)	70		31 - 110				09/15/17 18:20	09/21/17 10:42	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.87		6.87		mg/Kg	☼	09/18/17 10:00	09/18/17 21:09	2
Barium	208		0.859		mg/Kg	☼	09/18/17 10:00	09/18/17 21:09	2
Cadmium	<1.72		1.72		mg/Kg	☼	09/18/17 10:00	09/18/17 21:09	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP15 (2-3')

Lab Sample ID: 310-114352-13

Date Collected: 09/12/17 10:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	13.3		1.72		mg/Kg	☼	09/18/17 10:00	09/18/17 21:09	2
Lead	73.3		8.59		mg/Kg	☼	09/18/17 10:00	09/18/17 21:09	2
Selenium	<12.9		12.9		mg/Kg	☼	09/18/17 10:00	09/18/17 21:09	2
Silver	<1.72		1.72		mg/Kg	☼	09/18/17 10:00	09/18/17 21:09	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0661		0.0193		mg/Kg	☼	09/19/17 12:57	09/20/17 13:39	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP15 (17-19')

Lab Sample ID: 310-114352-14

Date Collected: 09/12/17 11:05

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.578		0.578		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Benzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Bromobenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Bromochloromethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Bromodichloromethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Bromoform	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Bromomethane	<0.578		0.578		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
2-Butanone (MEK)	<0.289		0.289		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
n-Butylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
sec-Butylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
tert-Butylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Carbon disulfide	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Carbon tetrachloride	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Chlorobenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Chlorodibromomethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Chloroethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Chloroform	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Chloromethane	<0.289		0.289		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
2-Chlorotoluene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
4-Chlorotoluene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2-Dibromo-3-Chloropropane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2-Dibromoethane (EDB)	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Dibromomethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2-Dichlorobenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,3-Dichlorobenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,4-Dichlorobenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Dichlorodifluoromethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,1-Dichloroethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2-Dichloroethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,1-Dichloroethene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
cis-1,2-Dichloroethene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
trans-1,2-Dichloroethene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2-Dichloropropane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,3-Dichloropropane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
2,2-Dichloropropane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,1-Dichloropropene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
cis-1,3-Dichloropropene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
trans-1,3-Dichloropropene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Ethylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Hexachlorobutadiene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Hexane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Isopropylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
p-Isopropyltoluene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Methylene Chloride	<0.289		0.289		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Methyl tert-butyl ether	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Naphthalene	<0.289		0.289		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
N-Propylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Styrene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,1,1,2-Tetrachloroethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP15 (17-19')

Lab Sample ID: 310-114352-14

Date Collected: 09/12/17 11:05

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

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	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Tetrachloroethene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Toluene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2,3-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2,4-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,1,1-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,1,2-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Trichloroethene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Trichlorofluoromethane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2,3-Trichloropropane	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,2,4-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
1,3,5-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Vinyl chloride	<0.116		0.116		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Xylenes, Total	<0.173		0.173		mg/Kg	☼	09/18/17 07:34	09/19/17 00:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		79 - 119				09/18/17 07:34	09/19/17 00:55	1
Dibromofluoromethane (Surr)	98		75 - 115				09/18/17 07:34	09/19/17 00:55	1
Toluene-d8 (Surr)	96		78 - 118				09/18/17 07:34	09/19/17 00:55	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Acenaphthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Acenaphthylene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Anthracene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Benzo[a]anthracene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Benzo[a]pyrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Benzo[b]fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Benzo[g,h,i]perylene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Benzo[k]fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Chrysene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Dibenz(a,h)anthracene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Fluorene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Indeno[1,2,3-cd]pyrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Naphthalene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Phenanthrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Pyrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 11:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		32 - 110				09/15/17 18:20	09/21/17 11:13	1
Nitrobenzene-d5 (Surr)	80		15 - 113				09/15/17 18:20	09/21/17 11:13	1
Terphenyl-d14 (Surr)	66		31 - 110				09/15/17 18:20	09/21/17 11:13	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.44		7.44		mg/Kg	☼	09/18/17 10:00	09/18/17 21:11	2
Barium	204		0.930		mg/Kg	☼	09/18/17 10:00	09/18/17 21:11	2
Cadmium	<1.86		1.86		mg/Kg	☼	09/18/17 10:00	09/18/17 21:11	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP15 (17-19')

Lab Sample ID: 310-114352-14

Date Collected: 09/12/17 11:05

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	25.9		1.86		mg/Kg	☼	09/18/17 10:00	09/18/17 21:11	2
Lead	13.2		9.30		mg/Kg	☼	09/18/17 10:00	09/18/17 21:11	2
Selenium	<14.0		14.0		mg/Kg	☼	09/18/17 10:00	09/18/17 21:11	2
Silver	<1.86		1.86		mg/Kg	☼	09/18/17 10:00	09/18/17 21:11	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0422		0.0199		mg/Kg	☼	09/19/17 12:57	09/20/17 13:40	1

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- 2
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- 10
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- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (1-2')

Lab Sample ID: 310-114352-15

Date Collected: 09/12/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 82.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.637		0.637		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Benzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Bromobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Bromochloromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Bromodichloromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Bromoform	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Bromomethane	<0.637		0.637		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
2-Butanone (MEK)	<0.319		0.319		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
n-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
sec-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
tert-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Carbon disulfide	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Carbon tetrachloride	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Chlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Chlorodibromomethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Chloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Chloroform	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Chloromethane	<0.319		0.319		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
2-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
4-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2-Dibromo-3-Chloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2-Dibromoethane (EDB)	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Dibromomethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,3-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,4-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Dichlorodifluoromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,1-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,1-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
cis-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
trans-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,3-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
2,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,1-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
cis-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
trans-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Ethylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Hexachlorobutadiene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Hexane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Isopropylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
p-Isopropyltoluene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Methylene Chloride	<0.319		0.319		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Methyl tert-butyl ether	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Naphthalene	<0.319		0.319		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
N-Propylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Styrene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,1,1,2-Tetrachloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (1-2')

Lab Sample ID: 310-114352-15

Date Collected: 09/12/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 82.5

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	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Tetrachloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Toluene	0.158		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2,3-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2,4-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,1,1-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,1,2-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Trichloroethene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Trichlorofluoromethane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2,3-Trichloropropane	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,2,4-Trimethylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
1,3,5-Trimethylbenzene	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Vinyl chloride	<0.127		0.127		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Xylenes, Total	<0.191		0.191		mg/Kg	☼	09/18/17 07:34	09/19/17 01:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/18/17 07:34	09/19/17 01:19	1
Dibromofluoromethane (Surr)	99		75 - 115				09/18/17 07:34	09/19/17 01:19	1
Toluene-d8 (Surr)	99		78 - 118				09/18/17 07:34	09/19/17 01:19	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1.09		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Acenaphthene	1.49		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Acenaphthylene	<0.119		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Anthracene	2.42		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Benzo[a]anthracene	5.25		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Benzo[a]pyrene	5.50		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Benzo[b]fluoranthene	6.52		1.19		mg/Kg	☼	09/15/17 18:20	09/21/17 20:23	100
Benzo[g,h,i]perylene	2.92		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Benzo[k]fluoranthene	2.88		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Chrysene	5.38		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Dibenz(a,h)anthracene	0.742		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Fluoranthene	11.1		1.19		mg/Kg	☼	09/15/17 18:20	09/21/17 20:23	100
Fluorene	1.24		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Indeno[1,2,3-cd]pyrene	3.56		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Naphthalene	1.02		0.119		mg/Kg	☼	09/15/17 18:20	09/21/17 11:45	10
Phenanthrene	8.47		1.19		mg/Kg	☼	09/15/17 18:20	09/21/17 20:23	100
Pyrene	8.94		1.19		mg/Kg	☼	09/15/17 18:20	09/21/17 20:23	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		32 - 110				09/15/17 18:20	09/21/17 11:45	10
Nitrobenzene-d5 (Surr)	61		15 - 113				09/15/17 18:20	09/21/17 11:45	10
Terphenyl-d14 (Surr)	85		31 - 110				09/15/17 18:20	09/21/17 11:45	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.72		3.43		mg/Kg	☼	09/18/17 10:00	09/18/17 19:33	1
Barium	387		0.429		mg/Kg	☼	09/18/17 10:00	09/18/17 19:33	1
Cadmium	0.928		0.858		mg/Kg	☼	09/18/17 10:00	09/18/17 19:33	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (1-2')

Lab Sample ID: 310-114352-15

Date Collected: 09/12/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 82.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	9.74		0.858		mg/Kg	☼	09/18/17 10:00	09/18/17 19:33	1
Lead	114		4.29		mg/Kg	☼	09/18/17 10:00	09/18/17 19:33	1
Selenium	<6.43		6.43		mg/Kg	☼	09/18/17 10:00	09/18/17 19:33	1
Silver	<0.858		0.858		mg/Kg	☼	09/18/17 10:00	09/18/17 19:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0669		0.0185		mg/Kg	☼	09/19/17 12:57	09/20/17 13:42	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (18-20')

Lab Sample ID: 310-114352-16

Date Collected: 09/12/17 13:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.652		0.652		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Benzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Bromobenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Bromochloromethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Bromodichloromethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Bromoform	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Bromomethane	<0.652		0.652		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
2-Butanone (MEK)	<0.326		0.326		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
n-Butylbenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
sec-Butylbenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
tert-Butylbenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Carbon disulfide	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Carbon tetrachloride	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Chlorobenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Chlorodibromomethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Chloroethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Chloroform	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Chloromethane	<0.326		0.326		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
2-Chlorotoluene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
4-Chlorotoluene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,2-Dibromo-3-Chloropropane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,2-Dibromoethane (EDB)	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Dibromomethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,2-Dichlorobenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,3-Dichlorobenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,4-Dichlorobenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Dichlorodifluoromethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,1-Dichloroethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,2-Dichloroethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,1-Dichloroethene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
cis-1,2-Dichloroethene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
trans-1,2-Dichloroethene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,2-Dichloropropane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,3-Dichloropropane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
2,2-Dichloropropane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,1-Dichloropropene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
cis-1,3-Dichloropropene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
trans-1,3-Dichloropropene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Ethylbenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Hexachlorobutadiene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Hexane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Isopropylbenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
p-Isopropyltoluene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Methylene Chloride	<0.326		0.326		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Methyl tert-butyl ether	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Naphthalene	<0.326		0.326		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
N-Propylbenzene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
Styrene	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1
1,1,1,2-Tetrachloroethane	<0.130		0.130		mg/Kg	*	09/18/17 07:34	09/19/17 01:43	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (18-20')

Lab Sample ID: 310-114352-16

Date Collected: 09/12/17 13:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

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	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
Tetrachloroethene	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
Toluene	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
1,2,3-Trichlorobenzene	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
1,2,4-Trichlorobenzene	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
1,1,1-Trichloroethane	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
1,1,2-Trichloroethane	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
Trichloroethene	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
Trichlorofluoromethane	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
1,2,3-Trichloropropane	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
1,2,4-Trimethylbenzene	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
1,3,5-Trimethylbenzene	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
Vinyl chloride	<0.130		0.130		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
Xylenes, Total	<0.195		0.195		mg/Kg	☼	09/18/17 07:34	09/19/17 01:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/18/17 07:34	09/19/17 01:43	1
Dibromofluoromethane (Surr)	97		75 - 115				09/18/17 07:34	09/19/17 01:43	1
Toluene-d8 (Surr)	97		78 - 118				09/18/17 07:34	09/19/17 01:43	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Acenaphthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Acenaphthylene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Anthracene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Benzo[a]anthracene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Benzo[a]pyrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Benzo[b]fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Benzo[g,h,i]perylene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Benzo[k]fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Chrysene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Dibenz(a,h)anthracene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Fluorene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Indeno[1,2,3-cd]pyrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Naphthalene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Phenanthrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Pyrene	<0.0118		0.0118		mg/Kg	☼	09/15/17 18:20	09/21/17 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		32 - 110				09/15/17 18:20	09/21/17 12:16	1
Nitrobenzene-d5 (Surr)	84		15 - 113				09/15/17 18:20	09/21/17 12:16	1
Terphenyl-d14 (Surr)	58		31 - 110				09/15/17 18:20	09/21/17 12:16	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.90		7.90		mg/Kg	☼	09/18/17 10:00	09/18/17 21:17	2
Barium	196		0.988		mg/Kg	☼	09/18/17 10:00	09/18/17 21:17	2
Cadmium	<1.98		1.98		mg/Kg	☼	09/18/17 10:00	09/18/17 21:17	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (18-20')

Lab Sample ID: 310-114352-16

Date Collected: 09/12/17 13:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	30.1		1.98		mg/Kg	☼	09/18/17 10:00	09/18/17 21:17	2
Lead	10.3		9.88		mg/Kg	☼	09/18/17 10:00	09/18/17 21:17	2
Selenium	<14.8		14.8		mg/Kg	☼	09/18/17 10:00	09/18/17 21:17	2
Silver	<1.98		1.98		mg/Kg	☼	09/18/17 10:00	09/18/17 21:17	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0408		0.0191		mg/Kg	☼	09/19/17 12:57	09/20/17 13:50	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP7 (0-2')

Lab Sample ID: 310-114352-17

Date Collected: 09/12/17 13:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.618		0.618		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Benzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Bromobenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Bromochloromethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Bromodichloromethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Bromoform	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Bromomethane	<0.618		0.618		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
2-Butanone (MEK)	<0.309		0.309		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
n-Butylbenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
sec-Butylbenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
tert-Butylbenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Carbon disulfide	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Carbon tetrachloride	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Chlorobenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Chlorodibromomethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Chloroethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Chloroform	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Chloromethane	<0.309		0.309		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
2-Chlorotoluene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
4-Chlorotoluene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,2-Dibromo-3-Chloropropane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,2-Dibromoethane (EDB)	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Dibromomethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,2-Dichlorobenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,3-Dichlorobenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,4-Dichlorobenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Dichlorodifluoromethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,1-Dichloroethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,2-Dichloroethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,1-Dichloroethene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
cis-1,2-Dichloroethene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
trans-1,2-Dichloroethene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,2-Dichloropropane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,3-Dichloropropane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
2,2-Dichloropropane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,1-Dichloropropene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
cis-1,3-Dichloropropene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
trans-1,3-Dichloropropene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Ethylbenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Hexachlorobutadiene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Hexane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Isopropylbenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
p-Isopropyltoluene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Methylene Chloride	<0.309		0.309		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Methyl tert-butyl ether	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Naphthalene	<0.309		0.309		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
N-Propylbenzene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
Styrene	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1
1,1,1,2-Tetrachloroethane	<0.124		0.124		mg/Kg	*	09/18/17 07:34	09/19/17 02:07	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP7 (0-2')

Lab Sample ID: 310-114352-17

Date Collected: 09/12/17 13:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.2

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	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
Tetrachloroethene	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
Toluene	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
1,2,3-Trichlorobenzene	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
1,2,4-Trichlorobenzene	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
1,1,1-Trichloroethane	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
1,1,2-Trichloroethane	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
Trichloroethene	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
Trichlorofluoromethane	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
1,2,3-Trichloropropane	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
1,2,4-Trimethylbenzene	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
1,3,5-Trimethylbenzene	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
Vinyl chloride	<0.124		0.124		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
Xylenes, Total	<0.185		0.185		mg/Kg	☼	09/18/17 07:34	09/19/17 02:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/18/17 07:34	09/19/17 02:07	1
Dibromofluoromethane (Surr)	99		75 - 115				09/18/17 07:34	09/19/17 02:07	1
Toluene-d8 (Surr)	97		78 - 118				09/18/17 07:34	09/19/17 02:07	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.267		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Acenaphthene	<0.115		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Acenaphthylene	0.144		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Anthracene	0.120		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Benzo[a]anthracene	0.594		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Benzo[a]pyrene	0.707		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Benzo[b]fluoranthene	1.06		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Benzo[g,h,i]perylene	0.449		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Benzo[k]fluoranthene	0.377		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Chrysene	0.688		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Dibenz(a,h)anthracene	0.126		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Fluoranthene	1.07		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Fluorene	<0.115		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Indeno[1,2,3-cd]pyrene	0.538		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Naphthalene	0.218		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Phenanthrene	0.423		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Pyrene	0.960		0.115		mg/Kg	☼	09/15/17 18:20	09/21/17 12:48	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	86		32 - 110				09/15/17 18:20	09/21/17 12:48	10
Nitrobenzene-d5 (Surr)	90		15 - 113				09/15/17 18:20	09/21/17 12:48	10
Terphenyl-d14 (Surr)	90		31 - 110				09/15/17 18:20	09/21/17 12:48	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.45		6.45		mg/Kg	☼	09/18/17 10:00	09/18/17 21:19	2
Barium	190		0.806		mg/Kg	☼	09/18/17 10:00	09/18/17 21:19	2
Cadmium	<1.61		1.61		mg/Kg	☼	09/18/17 10:00	09/18/17 21:19	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP7 (0-2')

Lab Sample ID: 310-114352-17

Date Collected: 09/12/17 13:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	22.5		1.61		mg/Kg	☼	09/18/17 10:00	09/18/17 21:19	2
Lead	80.7		8.06		mg/Kg	☼	09/18/17 10:00	09/18/17 21:19	2
Selenium	<12.1		12.1		mg/Kg	☼	09/18/17 10:00	09/18/17 21:19	2
Silver	<1.61		1.61		mg/Kg	☼	09/18/17 10:00	09/18/17 21:19	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.155		0.0186		mg/Kg	☼	09/19/17 12:57	09/20/17 13:52	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP7 (14-16)

Lab Sample ID: 310-114352-18

Date Collected: 09/12/17 13:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.578		0.578		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Benzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Bromobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Bromochloromethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Bromodichloromethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Bromoform	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Bromomethane	<0.578		0.578		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
2-Butanone (MEK)	<0.289		0.289		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
n-Butylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
sec-Butylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
tert-Butylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Carbon disulfide	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Carbon tetrachloride	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Chlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Chlorodibromomethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Chloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Chloroform	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Chloromethane	<0.289		0.289		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
2-Chlorotoluene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
4-Chlorotoluene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,2-Dibromo-3-Chloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,2-Dibromoethane (EDB)	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Dibromomethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,2-Dichlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,3-Dichlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,4-Dichlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Dichlorodifluoromethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,1-Dichloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,2-Dichloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,1-Dichloroethene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
cis-1,2-Dichloroethene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
trans-1,2-Dichloroethene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,2-Dichloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,3-Dichloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
2,2-Dichloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,1-Dichloropropene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
cis-1,3-Dichloropropene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
trans-1,3-Dichloropropene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Ethylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Hexachlorobutadiene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Hexane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Isopropylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
p-Isopropyltoluene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Methylene Chloride	<0.289		0.289		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Methyl tert-butyl ether	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Naphthalene	<0.289		0.289		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
N-Propylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
Styrene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1
1,1,1,2-Tetrachloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 09:56	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP7 (14-16)

Lab Sample ID: 310-114352-18

Date Collected: 09/12/17 13:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.5

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	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
Tetrachloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
Toluene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
1,2,3-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
1,2,4-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
1,1,1-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
1,1,1,2-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
Trichloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
Trichlorofluoromethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
1,2,3-Trichloropropane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
1,2,4-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
1,3,5-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
Vinyl chloride	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
Xylenes, Total	<0.173		0.173		mg/Kg	☼	09/20/17 06:08	09/20/17 09:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/20/17 06:08	09/20/17 09:56	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:08	09/20/17 09:56	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 09:56	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Acenaphthene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Acenaphthylene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Anthracene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Benzo[a]anthracene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Benzo[a]pyrene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Benzo[b]fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Benzo[g,h,i]perylene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Benzo[k]fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Chrysene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Dibenz(a,h)anthracene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Fluoranthene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Fluorene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Indeno[1,2,3-cd]pyrene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Naphthalene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Phenanthrene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Pyrene	<0.0118		0.0118		mg/Kg	☼	09/18/17 12:59	09/20/17 05:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		32 - 110				09/18/17 12:59	09/20/17 05:42	1
Nitrobenzene-d5 (Surr)	78		15 - 113				09/18/17 12:59	09/20/17 05:42	1
Terphenyl-d14 (Surr)	62		31 - 110				09/18/17 12:59	09/20/17 05:42	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.67		7.67		mg/Kg	☼	09/18/17 10:00	09/19/17 14:10	2
Barium	165		0.959		mg/Kg	☼	09/18/17 10:00	09/19/17 14:10	2
Cadmium	<1.92		1.92		mg/Kg	☼	09/18/17 10:00	09/19/17 14:10	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP7 (14-16)

Lab Sample ID: 310-114352-18

Date Collected: 09/12/17 13:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	30.8		1.92		mg/Kg	☼	09/18/17 10:00	09/19/17 14:10	2
Lead	11.5		9.59		mg/Kg	☼	09/18/17 10:00	09/19/17 14:10	2
Selenium	<14.4		14.4		mg/Kg	☼	09/18/17 10:00	09/19/17 14:10	2
Silver	<1.92		1.92		mg/Kg	☼	09/18/17 10:00	09/19/17 14:10	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0413		0.0189		mg/Kg	☼	09/19/17 12:58	09/20/17 14:01	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (0-2')

Lab Sample ID: 310-114352-19

Date Collected: 09/12/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.600		0.600		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Benzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Bromobenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Bromochloromethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Bromodichloromethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Bromoform	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Bromomethane	<0.600		0.600		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
2-Butanone (MEK)	<0.300		0.300		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
n-Butylbenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
sec-Butylbenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
tert-Butylbenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Carbon disulfide	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Carbon tetrachloride	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Chlorobenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Chlorodibromomethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Chloroethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Chloroform	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Chloromethane	<0.300		0.300		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
2-Chlorotoluene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
4-Chlorotoluene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,2-Dibromo-3-Chloropropane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,2-Dibromoethane (EDB)	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Dibromomethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,2-Dichlorobenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,3-Dichlorobenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,4-Dichlorobenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Dichlorodifluoromethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,1-Dichloroethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,2-Dichloroethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,1-Dichloroethene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
cis-1,2-Dichloroethene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
trans-1,2-Dichloroethene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,2-Dichloropropane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,3-Dichloropropane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
2,2-Dichloropropane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,1-Dichloropropene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
cis-1,3-Dichloropropene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
trans-1,3-Dichloropropene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Ethylbenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Hexachlorobutadiene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Hexane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Isopropylbenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
p-Isopropyltoluene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Methylene Chloride	<0.300		0.300		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Methyl tert-butyl ether	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Naphthalene	<0.300		0.300		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
N-Propylbenzene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
Styrene	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1
1,1,1,2-Tetrachloroethane	<0.120		0.120		mg/Kg	*	09/20/17 06:08	09/20/17 10:20	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (0-2')

Lab Sample ID: 310-114352-19

Date Collected: 09/12/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

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	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
Tetrachloroethene	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
Toluene	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
1,2,3-Trichlorobenzene	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
1,2,4-Trichlorobenzene	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
1,1,1-Trichloroethane	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
1,1,1,2-Trichloroethane	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
Trichloroethene	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
Trichlorofluoromethane	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
1,2,3-Trichloropropane	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
1,2,4-Trimethylbenzene	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
1,3,5-Trimethylbenzene	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
Vinyl chloride	<0.120		0.120		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
Xylenes, Total	<0.180		0.180		mg/Kg	☼	09/20/17 06:08	09/20/17 10:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:08	09/20/17 10:20	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:08	09/20/17 10:20	1
Toluene-d8 (Surr)	94		78 - 118				09/20/17 06:08	09/20/17 10:20	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.351		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Acenaphthene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Acenaphthylene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Anthracene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Benzo[a]anthracene	0.212		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Benzo[a]pyrene	0.241		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Benzo[b]fluoranthene	0.345		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Benzo[g,h,i]perylene	0.183		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Benzo[k]fluoranthene	0.118		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Chrysene	0.252		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Dibenz(a,h)anthracene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Fluoranthene	0.391		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Fluorene	<0.112		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Indeno[1,2,3-cd]pyrene	0.191		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Naphthalene	0.262		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Phenanthrene	0.360		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Pyrene	0.360		0.112		mg/Kg	☼	09/15/17 18:20	09/21/17 13:20	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	98		32 - 110				09/15/17 18:20	09/21/17 13:20	10
Nitrobenzene-d5 (Surr)	103		15 - 113				09/15/17 18:20	09/21/17 13:20	10
Terphenyl-d14 (Surr)	105		31 - 110				09/15/17 18:20	09/21/17 13:20	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.48		3.87		mg/Kg	☼	09/18/17 10:00	09/18/17 22:43	1
Barium	195		0.484		mg/Kg	☼	09/18/17 10:00	09/18/17 22:43	1
Cadmium	1.30		0.968		mg/Kg	☼	09/18/17 10:00	09/18/17 22:43	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (0-2')

Lab Sample ID: 310-114352-19

Date Collected: 09/12/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	24.0		0.968		mg/Kg	☼	09/18/17 10:00	09/18/17 22:43	1
Lead	29.8		4.84		mg/Kg	☼	09/18/17 10:00	09/18/17 22:43	1
Selenium	<7.26		7.26		mg/Kg	☼	09/18/17 10:00	09/18/17 22:43	1
Silver	<0.968		0.968		mg/Kg	☼	09/18/17 10:00	09/18/17 22:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0496		0.0198		mg/Kg	☼	09/19/17 12:57	09/20/17 13:53	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (5-6')

Lab Sample ID: 310-114352-20

Date Collected: 09/12/17 14:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 73.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.680		0.680		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Benzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Bromobenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Bromochloromethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Bromodichloromethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Bromoform	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Bromomethane	<0.680		0.680		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
2-Butanone (MEK)	<0.340		0.340		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
n-Butylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
sec-Butylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
tert-Butylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Carbon disulfide	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Carbon tetrachloride	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Chlorobenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Chlorodibromomethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Chloroethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Chloroform	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Chloromethane	<0.340		0.340		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
2-Chlorotoluene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
4-Chlorotoluene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2-Dibromo-3-Chloropropane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2-Dibromoethane (EDB)	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Dibromomethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2-Dichlorobenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,3-Dichlorobenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,4-Dichlorobenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Dichlorodifluoromethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,1-Dichloroethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2-Dichloroethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,1-Dichloroethene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
cis-1,2-Dichloroethene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
trans-1,2-Dichloroethene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2-Dichloropropane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,3-Dichloropropane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
2,2-Dichloropropane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,1-Dichloropropene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
cis-1,3-Dichloropropene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
trans-1,3-Dichloropropene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Ethylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Hexachlorobutadiene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Hexane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Isopropylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
p-Isopropyltoluene	10.4		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Methylene Chloride	<0.340		0.340		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Methyl tert-butyl ether	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Naphthalene	<0.340		0.340		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
N-Propylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Styrene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,1,1,2-Tetrachloroethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (5-6')

Lab Sample ID: 310-114352-20

Date Collected: 09/12/17 14:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 73.6

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	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Tetrachloroethene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Toluene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2,3-Trichlorobenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2,4-Trichlorobenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,1,1-Trichloroethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,1,2-Trichloroethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Trichloroethene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Trichlorofluoromethane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2,3-Trichloropropane	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,2,4-Trimethylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
1,3,5-Trimethylbenzene	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Vinyl chloride	<0.136		0.136		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Xylenes, Total	<0.204		0.204		mg/Kg	☼	09/20/17 06:08	09/20/17 10:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/20/17 06:08	09/20/17 10:45	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:08	09/20/17 10:45	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 10:45	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	1.22		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Acenaphthene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Acenaphthylene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Anthracene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Benzo[a]anthracene	0.167		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Benzo[a]pyrene	0.156		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Benzo[b]fluoranthene	0.217		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Benzo[g,h,i]perylene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Benzo[k]fluoranthene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Chrysene	0.189		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Dibenz(a,h)anthracene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Fluoranthene	0.270		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Fluorene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Indeno[1,2,3-cd]pyrene	<0.134		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Naphthalene	0.796		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Phenanthrene	0.560		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Pyrene	0.241		0.134		mg/Kg	☼	09/15/17 18:20	09/22/17 01:38	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	93		32 - 110				09/15/17 18:20	09/22/17 01:38	10
Nitrobenzene-d5 (Surr)	69		15 - 113				09/15/17 18:20	09/22/17 01:38	10
Terphenyl-d14 (Surr)	85		31 - 110				09/15/17 18:20	09/22/17 01:38	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<4.05		4.05		mg/Kg	☼	09/18/17 10:00	09/18/17 22:45	1
Barium	144		0.507		mg/Kg	☼	09/18/17 10:00	09/18/17 22:45	1
Cadmium	<1.01		1.01		mg/Kg	☼	09/18/17 10:00	09/18/17 22:45	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (5-6')

Lab Sample ID: 310-114352-20

Date Collected: 09/12/17 14:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 73.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	22.4		1.01		mg/Kg	☼	09/18/17 10:00	09/18/17 22:45	1
Lead	26.0		5.07		mg/Kg	☼	09/18/17 10:00	09/18/17 22:45	1
Selenium	<7.60		7.60		mg/Kg	☼	09/18/17 10:00	09/18/17 22:45	1
Silver	<1.01		1.01		mg/Kg	☼	09/18/17 10:00	09/18/17 22:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.248		0.0188		mg/Kg	☼	09/19/17 12:58	09/20/17 14:09	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20 (0-2')

Lab Sample ID: 310-114352-21

Date Collected: 09/12/17 15:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.553		0.553		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Benzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Bromobenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Bromochloromethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Bromodichloromethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Bromoform	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Bromomethane	<0.553		0.553		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
2-Butanone (MEK)	<0.276		0.276		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
n-Butylbenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
sec-Butylbenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
tert-Butylbenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Carbon disulfide	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Carbon tetrachloride	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Chlorobenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Chlorodibromomethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Chloroethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Chloroform	0.115		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Chloromethane	<0.276		0.276		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
2-Chlorotoluene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
4-Chlorotoluene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,2-Dibromo-3-Chloropropane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,2-Dibromoethane (EDB)	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Dibromomethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,2-Dichlorobenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,3-Dichlorobenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,4-Dichlorobenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Dichlorodifluoromethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,1-Dichloroethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,2-Dichloroethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,1-Dichloroethene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
cis-1,2-Dichloroethene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
trans-1,2-Dichloroethene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,2-Dichloropropane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,3-Dichloropropane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
2,2-Dichloropropane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,1-Dichloropropene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
cis-1,3-Dichloropropene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
trans-1,3-Dichloropropene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Ethylbenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Hexachlorobutadiene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Hexane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Isopropylbenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
p-Isopropyltoluene	0.132		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Methylene Chloride	<0.276		0.276		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Methyl tert-butyl ether	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Naphthalene	<0.276		0.276		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
N-Propylbenzene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
Styrene	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1
1,1,1,2-Tetrachloroethane	<0.111		0.111		mg/Kg	*	09/20/17 06:08	09/20/17 11:09	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20 (0-2')

Lab Sample ID: 310-114352-21

Date Collected: 09/12/17 15:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.2

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	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
Tetrachloroethene	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
Toluene	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
1,2,3-Trichlorobenzene	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
1,2,4-Trichlorobenzene	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
1,1,1-Trichloroethane	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
1,1,2-Trichloroethane	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
Trichloroethene	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
Trichlorofluoromethane	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
1,2,3-Trichloropropane	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
1,2,4-Trimethylbenzene	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
1,3,5-Trimethylbenzene	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
Vinyl chloride	<0.111		0.111		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
Xylenes, Total	<0.166		0.166		mg/Kg	☼	09/20/17 06:08	09/20/17 11:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/20/17 06:08	09/20/17 11:09	1
Dibromofluoromethane (Surr)	97		75 - 115				09/20/17 06:08	09/20/17 11:09	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 11:09	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Acenaphthene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Acenaphthylene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Anthracene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Benzo[a]anthracene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Benzo[a]pyrene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Benzo[b]fluoranthene	1.06		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Benzo[g,h,i]perylene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Benzo[k]fluoranthene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Chrysene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Dibenz(a,h)anthracene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Fluoranthene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Fluorene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Indeno[1,2,3-cd]pyrene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Naphthalene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Phenanthrene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Pyrene	<1.05		1.05		mg/Kg	☼	09/18/17 12:59	09/20/17 06:44	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	77		32 - 110				09/18/17 12:59	09/20/17 06:44	100
Nitrobenzene-d5 (Surr)	66		15 - 113				09/18/17 12:59	09/20/17 06:44	100
Terphenyl-d14 (Surr)	83		31 - 110				09/18/17 12:59	09/20/17 06:44	100

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.02		6.02		mg/Kg	☼	09/18/17 10:00	09/19/17 14:21	2
Barium	214		0.753		mg/Kg	☼	09/18/17 10:00	09/19/17 14:21	2
Cadmium	3.57		1.51		mg/Kg	☼	09/18/17 10:00	09/19/17 14:21	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20 (0-2')

Lab Sample ID: 310-114352-21

Date Collected: 09/12/17 15:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	19.0		1.51		mg/Kg	☼	09/18/17 10:00	09/19/17 14:21	2
Lead	361		7.53		mg/Kg	☼	09/18/17 10:00	09/19/17 14:21	2
Selenium	<11.3		11.3		mg/Kg	☼	09/18/17 10:00	09/19/17 14:21	2
Silver	<1.51		1.51		mg/Kg	☼	09/18/17 10:00	09/19/17 14:21	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	10.6		0.964		mg/Kg	☼	09/19/17 12:58	09/20/17 14:17	50

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20(15-17')

Lab Sample ID: 310-114352-22

Date Collected: 09/12/17 15:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.693		0.693		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Benzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Bromobenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Bromochloromethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Bromodichloromethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Bromoform	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Bromomethane	<0.693		0.693		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
2-Butanone (MEK)	<0.347		0.347		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
n-Butylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
sec-Butylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
tert-Butylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Carbon disulfide	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Carbon tetrachloride	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Chlorobenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Chlorodibromomethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Chloroethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Chloroform	0.140		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Chloromethane	<0.347		0.347		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
2-Chlorotoluene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
4-Chlorotoluene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2-Dibromo-3-Chloropropane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2-Dibromoethane (EDB)	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Dibromomethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2-Dichlorobenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,3-Dichlorobenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,4-Dichlorobenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Dichlorodifluoromethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,1-Dichloroethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2-Dichloroethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,1-Dichloroethene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
cis-1,2-Dichloroethene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
trans-1,2-Dichloroethene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2-Dichloropropane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,3-Dichloropropane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
2,2-Dichloropropane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,1-Dichloropropene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
cis-1,3-Dichloropropene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
trans-1,3-Dichloropropene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Ethylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Hexachlorobutadiene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Hexane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Isopropylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
p-Isopropyltoluene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Methylene Chloride	<0.347		0.347		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Methyl tert-butyl ether	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Naphthalene	<0.347		0.347		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
N-Propylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Styrene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,1,1,2-Tetrachloroethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20(15-17')

Lab Sample ID: 310-114352-22

Date Collected: 09/12/17 15:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

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	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Tetrachloroethene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Toluene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2,3-Trichlorobenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2,4-Trichlorobenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,1,1-Trichloroethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,1,2-Trichloroethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Trichloroethene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Trichlorofluoromethane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2,3-Trichloropropane	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,2,4-Trimethylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
1,3,5-Trimethylbenzene	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Vinyl chloride	<0.139		0.139		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Xylenes, Total	<0.208		0.208		mg/Kg	☼	09/20/17 06:08	09/20/17 11:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		79 - 119				09/20/17 06:08	09/20/17 11:33	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:08	09/20/17 11:33	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:08	09/20/17 11:33	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Acenaphthene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Acenaphthylene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Anthracene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Benzo[a]anthracene	0.0155		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Benzo[a]pyrene	0.0150		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Benzo[b]fluoranthene	0.0308		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Benzo[g,h,i]perylene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Benzo[k]fluoranthene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Chrysene	0.0218		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Dibenz(a,h)anthracene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Fluoranthene	0.0303		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Fluorene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Indeno[1,2,3-cd]pyrene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Naphthalene	<0.0126		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Phenanthrene	0.0164		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Pyrene	0.0258		0.0126		mg/Kg	☼	09/18/17 12:59	09/20/17 07:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	56		32 - 110				09/18/17 12:59	09/20/17 07:16	1
Nitrobenzene-d5 (Surr)	66		15 - 113				09/18/17 12:59	09/20/17 07:16	1
Terphenyl-d14 (Surr)	76		31 - 110				09/18/17 12:59	09/20/17 07:16	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.56		3.66		mg/Kg	☼	09/18/17 10:00	09/18/17 22:49	1
Barium	171		0.457		mg/Kg	☼	09/18/17 10:00	09/18/17 22:49	1
Cadmium	<0.915		0.915		mg/Kg	☼	09/18/17 10:00	09/18/17 22:49	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20(15-17')

Lab Sample ID: 310-114352-22

Date Collected: 09/12/17 15:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	25.2		0.915		mg/Kg	☼	09/18/17 10:00	09/18/17 22:49	1
Lead	11.9		4.57		mg/Kg	☼	09/18/17 10:00	09/18/17 22:49	1
Selenium	<6.86		6.86		mg/Kg	☼	09/18/17 10:00	09/18/17 22:49	1
Silver	<0.915		0.915		mg/Kg	☼	09/18/17 10:00	09/18/17 22:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0503		0.0193		mg/Kg	☼	09/19/17 12:58	09/20/17 14:12	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (0-2')

Lab Sample ID: 310-114352-23

Date Collected: 09/12/17 16:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 87.6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.635		0.635		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Benzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Bromobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Bromochloromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Bromodichloromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Bromoform	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Bromomethane	<0.635		0.635		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
2-Butanone (MEK)	<0.318		0.318		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
n-Butylbenzene	0.233		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
sec-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
tert-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Carbon disulfide	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Carbon tetrachloride	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Chlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Chlorodibromomethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Chloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Chloroform	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Chloromethane	<0.318		0.318		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
2-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
4-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2-Dibromo-3-Chloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2-Dibromoethane (EDB)	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Dibromomethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,3-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,4-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Dichlorodifluoromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,1-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,1-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
cis-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
trans-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,3-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
2,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,1-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
cis-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
trans-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Ethylbenzene	0.210		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Hexachlorobutadiene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Hexane	0.146		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Isopropylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
p-Isopropyltoluene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Methylene Chloride	<0.318		0.318		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Methyl tert-butyl ether	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Naphthalene	0.705		0.318		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
N-Propylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Styrene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,1,1,2-Tetrachloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (0-2')

Lab Sample ID: 310-114352-23

Date Collected: 09/12/17 16:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 87.6

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	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Tetrachloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Toluene	0.377		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2,3-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2,4-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,1,1-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,1,1,2-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Trichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Trichlorofluoromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2,3-Trichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,2,4-Trimethylbenzene	0.448		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
1,3,5-Trimethylbenzene	0.203		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Vinyl chloride	<0.127		0.127		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Xylenes, Total	0.530		0.191		mg/Kg	☼	09/20/17 06:08	09/20/17 11:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/20/17 06:08	09/20/17 11:57	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:08	09/20/17 11:57	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 11:57	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	2.47		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Acenaphthene	0.835		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Acenaphthylene	0.184		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Anthracene	1.08		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Benzo[a]anthracene	2.06		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Benzo[a]pyrene	2.22		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Benzo[b]fluoranthene	3.46		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Benzo[g,h,i]perylene	1.39		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Benzo[k]fluoranthene	1.04		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Chrysene	2.54		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Dibenz(a,h)anthracene	0.347		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Fluoranthene	7.12		1.06		mg/Kg	☼	09/18/17 12:59	09/20/17 11:59	100
Fluorene	1.16		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Indeno[1,2,3-cd]pyrene	1.57		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Naphthalene	1.37		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Phenanthrene	4.41		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Pyrene	4.97		0.106		mg/Kg	☼	09/18/17 12:59	09/20/17 07:47	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		32 - 110				09/18/17 12:59	09/20/17 07:47	10
Nitrobenzene-d5 (Surr)	116	X	15 - 113				09/18/17 12:59	09/20/17 07:47	10
Terphenyl-d14 (Surr)	80		31 - 110				09/18/17 12:59	09/20/17 07:47	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	28.7		16.1		mg/Kg	☼	09/18/17 10:00	09/19/17 14:39	5
Barium	893		2.02		mg/Kg	☼	09/18/17 10:00	09/19/17 14:39	5
Cadmium	18.9		4.03		mg/Kg	☼	09/18/17 10:00	09/19/17 14:39	5

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (0-2')

Lab Sample ID: 310-114352-23

Date Collected: 09/12/17 16:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 87.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	54.8		4.03		mg/Kg	☼	09/18/17 10:00	09/19/17 14:39	5
Lead	3150		20.2		mg/Kg	☼	09/18/17 10:00	09/19/17 14:39	5
Selenium	<30.3		30.3		mg/Kg	☼	09/18/17 10:00	09/19/17 14:39	5
Silver	<4.03		4.03		mg/Kg	☼	09/18/17 10:00	09/19/17 14:39	5

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.65		0.941		mg/Kg	☼	09/19/17 12:58	09/20/17 14:19	50

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (6.5-7')

Lab Sample ID: 310-114352-24

Date Collected: 09/12/17 16:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.711		0.711		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Benzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Bromobenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Bromochloromethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Bromodichloromethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Bromoform	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Bromomethane	<0.711		0.711		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
2-Butanone (MEK)	<0.356		0.356		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
n-Butylbenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
sec-Butylbenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
tert-Butylbenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Carbon disulfide	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Carbon tetrachloride	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Chlorobenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Chlorodibromomethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Chloroethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Chloroform	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Chloromethane	<0.356		0.356		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
2-Chlorotoluene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
4-Chlorotoluene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,2-Dibromo-3-Chloropropane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,2-Dibromoethane (EDB)	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Dibromomethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,2-Dichlorobenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,3-Dichlorobenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,4-Dichlorobenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Dichlorodifluoromethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,1-Dichloroethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,2-Dichloroethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,1-Dichloroethene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
cis-1,2-Dichloroethene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
trans-1,2-Dichloroethene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,2-Dichloropropane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,3-Dichloropropane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
2,2-Dichloropropane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,1-Dichloropropene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
cis-1,3-Dichloropropene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
trans-1,3-Dichloropropene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Ethylbenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Hexachlorobutadiene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Hexane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Isopropylbenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
p-Isopropyltoluene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Methylene Chloride	<0.356		0.356		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Methyl tert-butyl ether	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Naphthalene	<0.356		0.356		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
N-Propylbenzene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
Styrene	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1
1,1,1,2-Tetrachloroethane	<0.142		0.142		mg/Kg	*	09/20/17 06:08	09/20/17 12:21	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (6.5-7')

Lab Sample ID: 310-114352-24

Date Collected: 09/12/17 16:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.3

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	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
Tetrachloroethene	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
Toluene	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
1,2,3-Trichlorobenzene	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
1,2,4-Trichlorobenzene	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
1,1,1-Trichloroethane	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
1,1,1,2-Trichloroethane	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
Trichloroethene	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
Trichlorofluoromethane	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
1,2,3-Trichloropropane	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
1,2,4-Trimethylbenzene	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
1,3,5-Trimethylbenzene	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
Vinyl chloride	<0.142		0.142		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
Xylenes, Total	<0.213		0.213		mg/Kg	☼	09/20/17 06:08	09/20/17 12:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:08	09/20/17 12:21	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:08	09/20/17 12:21	1
Toluene-d8 (Surr)	97		78 - 118				09/20/17 06:08	09/20/17 12:21	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.323		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Acenaphthene	<0.103		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Acenaphthylene	<0.103		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Anthracene	<0.103		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Benzo[a]anthracene	0.179		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Benzo[a]pyrene	0.181		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Benzo[b]fluoranthene	0.285		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Benzo[g,h,i]perylene	0.107		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Benzo[k]fluoranthene	<0.103		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Chrysene	0.220		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Dibenz(a,h)anthracene	<0.103		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Fluoranthene	0.435		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Fluorene	<0.103		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Indeno[1,2,3-cd]pyrene	0.105		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Naphthalene	0.256		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Phenanthrene	0.360		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Pyrene	0.413		0.103		mg/Kg	☼	09/18/17 12:59	09/20/17 08:18	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		32 - 110				09/18/17 12:59	09/20/17 08:18	10
Nitrobenzene-d5 (Surr)	71		15 - 113				09/18/17 12:59	09/20/17 08:18	10
Terphenyl-d14 (Surr)	61		31 - 110				09/18/17 12:59	09/20/17 08:18	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	66.4		3.04		mg/Kg	☼	09/18/17 10:00	09/18/17 22:53	1
Barium	191		0.380		mg/Kg	☼	09/18/17 10:00	09/18/17 22:53	1
Cadmium	0.941		0.759		mg/Kg	☼	09/18/17 10:00	09/18/17 22:53	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (6.5-7')

Lab Sample ID: 310-114352-24

Date Collected: 09/12/17 16:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	13.4		0.759		mg/Kg	☼	09/18/17 10:00	09/18/17 22:53	1
Lead	170		3.80		mg/Kg	☼	09/18/17 10:00	09/18/17 22:53	1
Selenium	<5.69		5.69		mg/Kg	☼	09/18/17 10:00	09/18/17 22:53	1
Silver	<0.759		0.759		mg/Kg	☼	09/18/17 10:00	09/18/17 22:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.631		0.0981		mg/Kg	☼	09/19/17 12:58	09/20/17 14:20	5

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (17-19')

Lab Sample ID: 310-114352-25

Date Collected: 09/12/17 17:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.629		0.629		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Benzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Bromobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Bromochloromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Bromodichloromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Bromoform	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Bromomethane	<0.629		0.629		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
2-Butanone (MEK)	<0.314		0.314		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
n-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
sec-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
tert-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Carbon disulfide	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Carbon tetrachloride	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Chlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Chlorodibromomethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Chloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Chloroform	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Chloromethane	<0.314		0.314		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
2-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
4-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,2-Dibromo-3-Chloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,2-Dibromoethane (EDB)	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Dibromomethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,2-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,3-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,4-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Dichlorodifluoromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,1-Dichloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,2-Dichloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,1-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
cis-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
trans-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,3-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
2,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,1-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
cis-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
trans-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Ethylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Hexachlorobutadiene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Hexane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Isopropylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
p-Isopropyltoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Methylene Chloride	<0.314		0.314		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Methyl tert-butyl ether	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Naphthalene	<0.314		0.314		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
N-Propylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
Styrene	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1
1,1,1,2-Tetrachloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:08	09/20/17 12:45	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (17-19')

Lab Sample ID: 310-114352-25

Date Collected: 09/12/17 17:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.4

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	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
Tetrachloroethene	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
Toluene	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
1,2,3-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
1,2,4-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
1,1,1-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
1,1,1,2-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
Trichloroethene	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
Trichlorofluoromethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
1,2,3-Trichloropropane	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
1,2,4-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
1,3,5-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
Vinyl chloride	<0.126		0.126		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
Xylenes, Total	<0.189		0.189		mg/Kg	☼	09/20/17 06:08	09/20/17 12:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:08	09/20/17 12:45	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:08	09/20/17 12:45	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 12:45	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Acenaphthene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Acenaphthylene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Anthracene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Benzo[a]anthracene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Benzo[a]pyrene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Benzo[b]fluoranthene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Benzo[g,h,i]perylene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Benzo[k]fluoranthene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Chrysene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Dibenz(a,h)anthracene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Fluoranthene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Fluorene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Indeno[1,2,3-cd]pyrene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Naphthalene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Phenanthrene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Pyrene	<0.0130		0.0130		mg/Kg	☼	09/18/17 12:59	09/20/17 08:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		32 - 110				09/18/17 12:59	09/20/17 08:50	1
Nitrobenzene-d5 (Surr)	84		15 - 113				09/18/17 12:59	09/20/17 08:50	1
Terphenyl-d14 (Surr)	73		31 - 110				09/18/17 12:59	09/20/17 08:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.20		3.84		mg/Kg	☼	09/18/17 10:00	09/18/17 22:56	1
Barium	135		0.480		mg/Kg	☼	09/18/17 10:00	09/18/17 22:56	1
Cadmium	<0.960		0.960		mg/Kg	☼	09/18/17 10:00	09/18/17 22:56	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (17-19')

Lab Sample ID: 310-114352-25

Date Collected: 09/12/17 17:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	27.7		0.960		mg/Kg	☼	09/18/17 10:00	09/18/17 22:56	1
Lead	11.9		4.80		mg/Kg	☼	09/18/17 10:00	09/18/17 22:56	1
Selenium	<7.20		7.20		mg/Kg	☼	09/18/17 10:00	09/18/17 22:56	1
Silver	<0.960		0.960		mg/Kg	☼	09/18/17 10:00	09/18/17 22:56	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0384		0.0186		mg/Kg	☼	09/19/17 12:58	09/20/17 14:22	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP10 (1-2')

Lab Sample ID: 310-114352-26

Date Collected: 09/12/17 17:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.659		0.659		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Benzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Bromobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Bromochloromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Bromodichloromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Bromoform	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Bromomethane	<0.659		0.659		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
2-Butanone (MEK)	<0.329		0.329		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
n-Butylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
sec-Butylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
tert-Butylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Carbon disulfide	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Carbon tetrachloride	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Chlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Chlorodibromomethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Chloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Chloroform	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Chloromethane	<0.329		0.329		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
2-Chlorotoluene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
4-Chlorotoluene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2-Dibromo-3-Chloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2-Dibromoethane (EDB)	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Dibromomethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2-Dichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,3-Dichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,4-Dichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Dichlorodifluoromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,1-Dichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2-Dichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,1-Dichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
cis-1,2-Dichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
trans-1,2-Dichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2-Dichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,3-Dichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
2,2-Dichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,1-Dichloropropene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
cis-1,3-Dichloropropene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
trans-1,3-Dichloropropene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Ethylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Hexachlorobutadiene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Hexane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Isopropylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
p-Isopropyltoluene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Methylene Chloride	<0.329		0.329		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Methyl tert-butyl ether	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Naphthalene	<0.329		0.329		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
N-Propylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Styrene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,1,1,2-Tetrachloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP10 (1-2')

Lab Sample ID: 310-114352-26

Date Collected: 09/12/17 17:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.9

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	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Tetrachloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Toluene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2,3-Trichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2,4-Trichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,1,1-Trichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,1,1,2-Trichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Trichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Trichlorofluoromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2,3-Trichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,2,4-Trimethylbenzene	0.223		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
1,3,5-Trimethylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Vinyl chloride	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Xylenes, Total	<0.198		0.198		mg/Kg	☼	09/20/17 06:08	09/20/17 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:08	09/20/17 13:09	1
Dibromofluoromethane (Surr)	97		75 - 115				09/20/17 06:08	09/20/17 13:09	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 13:09	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.609		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Acenaphthene	<0.127		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Acenaphthylene	0.197		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Anthracene	0.512		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Benzo[a]anthracene	1.64		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Benzo[a]pyrene	2.12		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Benzo[b]fluoranthene	2.99		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Benzo[g,h,i]perylene	1.66		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Benzo[k]fluoranthene	0.948		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Chrysene	1.74		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Dibenz(a,h)anthracene	0.351		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Fluoranthene	3.10		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Fluorene	0.178		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Indeno[1,2,3-cd]pyrene	1.80		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Naphthalene	0.588		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Phenanthrene	1.88		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Pyrene	2.83		0.127		mg/Kg	☼	09/18/17 12:59	09/20/17 09:21	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		32 - 110				09/18/17 12:59	09/20/17 09:21	10
Nitrobenzene-d5 (Surr)	86		15 - 113				09/18/17 12:59	09/20/17 09:21	10
Terphenyl-d14 (Surr)	84		31 - 110				09/18/17 12:59	09/20/17 09:21	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24.4		22.6		mg/Kg	☼	09/18/17 10:00	09/19/17 14:25	6
Barium	743		2.83		mg/Kg	☼	09/18/17 10:00	09/19/17 14:25	6
Cadmium	<5.65		5.65		mg/Kg	☼	09/18/17 10:00	09/19/17 14:25	6

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP10 (1-2')

Lab Sample ID: 310-114352-26

Date Collected: 09/12/17 17:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	38.4		5.65		mg/Kg	☼	09/18/17 10:00	09/19/17 14:25	6
Lead	2210		28.3		mg/Kg	☼	09/18/17 10:00	09/19/17 14:25	6
Selenium	<42.4		42.4		mg/Kg	☼	09/18/17 10:00	09/19/17 14:25	6
Silver	<5.65		5.65		mg/Kg	☼	09/18/17 10:00	09/19/17 14:25	6

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	10.3		0.956		mg/Kg	☼	09/19/17 12:58	09/20/17 14:28	50

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP10 (7-9')

Lab Sample ID: 310-114352-27

Date Collected: 09/12/17 18:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.590		0.590		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Benzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Bromobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Bromochloromethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Bromodichloromethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Bromoform	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Bromomethane	<0.590		0.590		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
2-Butanone (MEK)	<0.295		0.295		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
n-Butylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
sec-Butylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
tert-Butylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Carbon disulfide	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Carbon tetrachloride	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Chlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Chlorodibromomethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Chloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Chloroform	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Chloromethane	<0.295		0.295		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
2-Chlorotoluene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
4-Chlorotoluene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2-Dibromo-3-Chloropropane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2-Dibromoethane (EDB)	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Dibromomethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2-Dichlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,3-Dichlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,4-Dichlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Dichlorodifluoromethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,1-Dichloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2-Dichloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,1-Dichloroethene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
cis-1,2-Dichloroethene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
trans-1,2-Dichloroethene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2-Dichloropropane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,3-Dichloropropane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
2,2-Dichloropropane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,1-Dichloropropene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
cis-1,3-Dichloropropene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
trans-1,3-Dichloropropene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Ethylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Hexachlorobutadiene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Hexane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Isopropylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
p-Isopropyltoluene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Methylene Chloride	<0.295		0.295		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Methyl tert-butyl ether	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Naphthalene	<0.295		0.295		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
N-Propylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Styrene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,1,1,2-Tetrachloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP10 (7-9')

Lab Sample ID: 310-114352-27

Date Collected: 09/12/17 18:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.4

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	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Tetrachloroethene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Toluene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2,3-Trichlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2,4-Trichlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,1,1-Trichloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,1,1,2-Trichloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Trichloroethene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Trichlorofluoromethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2,3-Trichloropropane	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,2,4-Trimethylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
1,3,5-Trimethylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Vinyl chloride	<0.118		0.118		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Xylenes, Total	<0.177		0.177		mg/Kg	☼	09/20/17 06:08	09/20/17 13:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/20/17 06:08	09/20/17 13:33	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:08	09/20/17 13:33	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 13:33	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Acenaphthene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Acenaphthylene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Anthracene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Benzo[a]anthracene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Benzo[a]pyrene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Benzo[b]fluoranthene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Benzo[g,h,i]perylene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Benzo[k]fluoranthene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Chrysene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Dibenz(a,h)anthracene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Fluoranthene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Fluorene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Indeno[1,2,3-cd]pyrene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Naphthalene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Phenanthrene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Pyrene	<0.0122		0.0122		mg/Kg	☼	09/18/17 12:59	09/20/17 09:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	55		32 - 110				09/18/17 12:59	09/20/17 09:53	1
Nitrobenzene-d5 (Surr)	70		15 - 113				09/18/17 12:59	09/20/17 09:53	1
Terphenyl-d14 (Surr)	52		31 - 110				09/18/17 12:59	09/20/17 09:53	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	9.21		3.48		mg/Kg	☼	09/18/17 10:00	09/18/17 23:00	1
Barium	172		0.435		mg/Kg	☼	09/18/17 10:00	09/18/17 23:00	1
Cadmium	1.01		0.869		mg/Kg	☼	09/18/17 10:00	09/18/17 23:00	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP10 (7-9')

Lab Sample ID: 310-114352-27

Date Collected: 09/12/17 18:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	25.4		0.869		mg/Kg	☼	09/18/17 10:00	09/18/17 23:00	1
Lead	11.8		4.35		mg/Kg	☼	09/18/17 10:00	09/18/17 23:00	1
Selenium	<6.52		6.52		mg/Kg	☼	09/18/17 10:00	09/18/17 23:00	1
Silver	<0.869		0.869		mg/Kg	☼	09/18/17 10:00	09/18/17 23:00	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0406		0.0194		mg/Kg	☼	09/19/17 12:58	09/20/17 14:30	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP9 (0-2')

Lab Sample ID: 310-114352-28

Date Collected: 09/13/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.826		0.826		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Benzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Bromobenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Bromochloromethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Bromodichloromethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Bromoform	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Bromomethane	<0.826		0.826		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
2-Butanone (MEK)	<0.413		0.413		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
n-Butylbenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
sec-Butylbenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
tert-Butylbenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Carbon disulfide	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Carbon tetrachloride	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Chlorobenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Chlorodibromomethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Chloroethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Chloroform	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Chloromethane	<0.413		0.413		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
2-Chlorotoluene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
4-Chlorotoluene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,2-Dibromo-3-Chloropropane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,2-Dibromoethane (EDB)	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Dibromomethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,2-Dichlorobenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,3-Dichlorobenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,4-Dichlorobenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Dichlorodifluoromethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,1-Dichloroethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,2-Dichloroethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,1-Dichloroethene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
cis-1,2-Dichloroethene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
trans-1,2-Dichloroethene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,2-Dichloropropane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,3-Dichloropropane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
2,2-Dichloropropane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,1-Dichloropropene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
cis-1,3-Dichloropropene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
trans-1,3-Dichloropropene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Ethylbenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Hexachlorobutadiene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Hexane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Isopropylbenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
p-Isopropyltoluene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Methylene Chloride	<0.413		0.413		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Methyl tert-butyl ether	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Naphthalene	<0.413		0.413		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
N-Propylbenzene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
Styrene	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1
1,1,1,2-Tetrachloroethane	<0.165		0.165		mg/Kg	*	09/20/17 06:08	09/20/17 13:57	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP9 (0-2')

Lab Sample ID: 310-114352-28

Date Collected: 09/13/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.3

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	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
Tetrachloroethene	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
Toluene	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
1,2,3-Trichlorobenzene	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
1,2,4-Trichlorobenzene	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
1,1,1-Trichloroethane	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
1,1,1,2-Trichloroethane	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
Trichloroethene	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
Trichlorofluoromethane	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
1,2,3-Trichloropropane	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
1,2,4-Trimethylbenzene	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
1,3,5-Trimethylbenzene	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
Vinyl chloride	<0.165		0.165		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
Xylenes, Total	<0.248		0.248		mg/Kg	☼	09/20/17 06:08	09/20/17 13:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:08	09/20/17 13:57	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:08	09/20/17 13:57	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:08	09/20/17 13:57	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.450		0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Acenaphthene	<0.112		0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Acenaphthylene	<0.112		0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Anthracene	<0.112		0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Benzo[a]anthracene	0.321	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Benzo[a]pyrene	0.367	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Benzo[b]fluoranthene	0.632	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Benzo[g,h,i]perylene	0.285	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Benzo[k]fluoranthene	0.216	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Chrysene	0.366	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Dibenz(a,h)anthracene	<0.112		0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Fluoranthene	0.537	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Fluorene	<0.112		0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Indeno[1,2,3-cd]pyrene	0.317	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Naphthalene	0.322		0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Phenanthrene	0.415	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Pyrene	0.461	F1	0.112		mg/Kg	☼	09/19/17 12:43	09/20/17 15:49	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		32 - 110				09/19/17 12:43	09/20/17 15:49	10
Nitrobenzene-d5 (Surr)	65		15 - 113				09/19/17 12:43	09/20/17 15:49	10
Terphenyl-d14 (Surr)	67		31 - 110				09/19/17 12:43	09/20/17 15:49	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<10.9		10.9		mg/Kg	☼	09/18/17 10:00	09/19/17 14:27	3
Barium	357		1.36		mg/Kg	☼	09/18/17 10:00	09/19/17 14:27	3
Cadmium	4.29		2.72		mg/Kg	☼	09/18/17 10:00	09/19/17 14:27	3

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP9 (0-2')

Lab Sample ID: 310-114352-28

Date Collected: 09/13/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	21.6		2.72		mg/Kg	☼	09/18/17 10:00	09/19/17 14:27	3
Lead	304		13.6		mg/Kg	☼	09/18/17 10:00	09/19/17 14:27	3
Selenium	<20.4		20.4		mg/Kg	☼	09/18/17 10:00	09/19/17 14:27	3
Silver	<2.72		2.72		mg/Kg	☼	09/18/17 10:00	09/19/17 14:27	3

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.392		0.0176		mg/Kg	☼	09/19/17 12:58	09/20/17 14:31	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP9 (7-8')

Lab Sample ID: 310-114352-29

Date Collected: 09/13/17 10:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.618		0.618		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Benzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Bromobenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Bromochloromethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Bromodichloromethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Bromoform	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Bromomethane	<0.618		0.618		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
2-Butanone (MEK)	<0.309		0.309		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
n-Butylbenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
sec-Butylbenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
tert-Butylbenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Carbon disulfide	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Carbon tetrachloride	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Chlorobenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Chlorodibromomethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Chloroethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Chloroform	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Chloromethane	<0.309		0.309		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
2-Chlorotoluene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
4-Chlorotoluene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,2-Dibromo-3-Chloropropane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,2-Dibromoethane (EDB)	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Dibromomethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,2-Dichlorobenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,3-Dichlorobenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,4-Dichlorobenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Dichlorodifluoromethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,1-Dichloroethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,2-Dichloroethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,1-Dichloroethene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
cis-1,2-Dichloroethene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
trans-1,2-Dichloroethene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,2-Dichloropropane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,3-Dichloropropane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
2,2-Dichloropropane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,1-Dichloropropene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
cis-1,3-Dichloropropene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
trans-1,3-Dichloropropene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Ethylbenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Hexachlorobutadiene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Hexane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Isopropylbenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
p-Isopropyltoluene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Methylene Chloride	<0.309		0.309		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Methyl tert-butyl ether	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Naphthalene	<0.309		0.309		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
N-Propylbenzene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
Styrene	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1
1,1,1,2-Tetrachloroethane	<0.124		0.124		mg/Kg	*	09/20/17 06:08	09/20/17 14:22	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP9 (7-8')

Lab Sample ID: 310-114352-29

Date Collected: 09/13/17 10:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

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	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
Tetrachloroethene	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
Toluene	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
1,2,3-Trichlorobenzene	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
1,2,4-Trichlorobenzene	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
1,1,1-Trichloroethane	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
1,1,1,2-Trichloroethane	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
Trichloroethene	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
Trichlorofluoromethane	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
1,2,3-Trichloropropane	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
1,2,4-Trimethylbenzene	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
1,3,5-Trimethylbenzene	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
Vinyl chloride	<0.124		0.124		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
Xylenes, Total	<0.185		0.185		mg/Kg	☼	09/20/17 06:08	09/20/17 14:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:08	09/20/17 14:22	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:08	09/20/17 14:22	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:08	09/20/17 14:22	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Acenaphthene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Acenaphthylene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Anthracene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Benzo[a]anthracene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Benzo[a]pyrene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Benzo[b]fluoranthene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Benzo[g,h,i]perylene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Benzo[k]fluoranthene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Chrysene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Dibenz(a,h)anthracene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Fluoranthene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Fluorene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Indeno[1,2,3-cd]pyrene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Naphthalene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Phenanthrene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Pyrene	<0.0126		0.0126		mg/Kg	☼	09/19/17 12:43	09/20/17 16:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	47		32 - 110				09/19/17 12:43	09/20/17 16:21	1
Nitrobenzene-d5 (Surr)	54		15 - 113				09/19/17 12:43	09/20/17 16:21	1
Terphenyl-d14 (Surr)	44		31 - 110				09/19/17 12:43	09/20/17 16:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.85		3.91		mg/Kg	☼	09/18/17 10:00	09/18/17 23:11	1
Barium	196		0.489		mg/Kg	☼	09/18/17 10:00	09/18/17 23:11	1
Cadmium	<0.978		0.978		mg/Kg	☼	09/18/17 10:00	09/18/17 23:11	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP9 (7-8')

Lab Sample ID: 310-114352-29

Date Collected: 09/13/17 10:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.2		0.978		mg/Kg	☼	09/18/17 10:00	09/18/17 23:11	1
Lead	12.8		4.89		mg/Kg	☼	09/18/17 10:00	09/18/17 23:11	1
Selenium	<7.34		7.34		mg/Kg	☼	09/18/17 10:00	09/18/17 23:11	1
Silver	<0.978		0.978		mg/Kg	☼	09/18/17 10:00	09/18/17 23:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0436		0.0191		mg/Kg	☼	09/19/17 12:58	09/20/17 14:33	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (1-2')

Lab Sample ID: 310-114352-30

Date Collected: 09/13/17 10:35

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.662		0.662		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Benzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Bromobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Bromochloromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Bromodichloromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Bromoform	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Bromomethane	<0.662		0.662		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
2-Butanone (MEK)	<0.331		0.331		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
n-Butylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
sec-Butylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
tert-Butylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Carbon disulfide	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Carbon tetrachloride	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Chlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Chlorodibromomethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Chloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Chloroform	0.151		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Chloromethane	<0.331		0.331		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
2-Chlorotoluene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
4-Chlorotoluene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2-Dibromo-3-Chloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2-Dibromoethane (EDB)	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Dibromomethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2-Dichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,3-Dichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,4-Dichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Dichlorodifluoromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,1-Dichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2-Dichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,1-Dichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
cis-1,2-Dichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
trans-1,2-Dichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2-Dichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,3-Dichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
2,2-Dichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,1-Dichloropropene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
cis-1,3-Dichloropropene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
trans-1,3-Dichloropropene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Ethylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Hexachlorobutadiene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Hexane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Isopropylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
p-Isopropyltoluene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Methylene Chloride	<0.331		0.331		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Methyl tert-butyl ether	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Naphthalene	<0.331		0.331		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
N-Propylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Styrene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,1,1,2-Tetrachloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (1-2')

Lab Sample ID: 310-114352-30

Date Collected: 09/13/17 10:35

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

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	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Tetrachloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Toluene	0.183		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2,3-Trichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2,4-Trichlorobenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,1,1-Trichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,1,1,2-Trichloroethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Trichloroethene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Trichlorofluoromethane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2,3-Trichloropropane	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,2,4-Trimethylbenzene	0.156		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
1,3,5-Trimethylbenzene	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Vinyl chloride	<0.132		0.132		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Xylenes, Total	0.386		0.199		mg/Kg	☼	09/20/17 06:08	09/20/17 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:08	09/20/17 14:46	1
Dibromofluoromethane (Surr)	100		75 - 115				09/20/17 06:08	09/20/17 14:46	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:08	09/20/17 14:46	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.552		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Acenaphthene	<0.117		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Acenaphthylene	<0.117		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Anthracene	<0.117		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Benzo[a]anthracene	0.172		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Benzo[a]pyrene	0.186		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Benzo[b]fluoranthene	0.385		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Benzo[g,h,i]perylene	0.221		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Benzo[k]fluoranthene	<0.117		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Chrysene	0.170		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Dibenz(a,h)anthracene	<0.117		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Fluoranthene	0.207		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Fluorene	<0.117		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Indeno[1,2,3-cd]pyrene	0.181		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Naphthalene	0.364		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Phenanthrene	0.332		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Pyrene	0.191		0.117		mg/Kg	☼	09/19/17 12:43	09/22/17 02:10	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	81		32 - 110				09/19/17 12:43	09/22/17 02:10	10
Nitrobenzene-d5 (Surr)	86		15 - 113				09/19/17 12:43	09/22/17 02:10	10
Terphenyl-d14 (Surr)	76		31 - 110				09/19/17 12:43	09/22/17 02:10	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.96		6.96		mg/Kg	☼	09/18/17 10:00	09/19/17 14:31	2
Barium	378		0.870		mg/Kg	☼	09/18/17 10:00	09/19/17 14:31	2
Cadmium	<1.74		1.74		mg/Kg	☼	09/18/17 10:00	09/19/17 14:31	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (1-2')

Lab Sample ID: 310-114352-30

Date Collected: 09/13/17 10:35

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	16.7		1.74		mg/Kg	☼	09/18/17 10:00	09/19/17 14:31	2
Lead	468		8.70		mg/Kg	☼	09/18/17 10:00	09/19/17 14:31	2
Selenium	<13.1		13.1		mg/Kg	☼	09/18/17 10:00	09/19/17 14:31	2
Silver	<1.74		1.74		mg/Kg	☼	09/18/17 10:00	09/19/17 14:31	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.137		0.0187		mg/Kg	☼	09/19/17 12:58	09/20/17 14:34	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (12-14')

Lab Sample ID: 310-114352-31

Date Collected: 09/13/17 11:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.586		0.586		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Benzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Bromobenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Bromochloromethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Bromodichloromethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Bromoform	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Bromomethane	<0.586		0.586		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
2-Butanone (MEK)	<0.293		0.293		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
n-Butylbenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
sec-Butylbenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
tert-Butylbenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Carbon disulfide	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Carbon tetrachloride	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Chlorobenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Chlorodibromomethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Chloroethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Chloroform	0.141		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Chloromethane	<0.293		0.293		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
2-Chlorotoluene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
4-Chlorotoluene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,2-Dibromo-3-Chloropropane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,2-Dibromoethane (EDB)	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Dibromomethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,2-Dichlorobenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,3-Dichlorobenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,4-Dichlorobenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Dichlorodifluoromethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,1-Dichloroethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,2-Dichloroethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,1-Dichloroethene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
cis-1,2-Dichloroethene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
trans-1,2-Dichloroethene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,2-Dichloropropane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,3-Dichloropropane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
2,2-Dichloropropane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,1-Dichloropropene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
cis-1,3-Dichloropropene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
trans-1,3-Dichloropropene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Ethylbenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Hexachlorobutadiene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Hexane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Isopropylbenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
p-Isopropyltoluene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Methylene Chloride	<0.293		0.293		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Methyl tert-butyl ether	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Naphthalene	<0.293		0.293		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
N-Propylbenzene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
Styrene	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1
1,1,1,2-Tetrachloroethane	<0.117		0.117		mg/Kg	*	09/20/17 06:08	09/20/17 15:10	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (12-14')

Lab Sample ID: 310-114352-31

Date Collected: 09/13/17 11:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.7

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	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
Tetrachloroethene	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
Toluene	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
1,2,3-Trichlorobenzene	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
1,2,4-Trichlorobenzene	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
1,1,1-Trichloroethane	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
1,1,2-Trichloroethane	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
Trichloroethene	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
Trichlorofluoromethane	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
1,2,3-Trichloropropane	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
1,2,4-Trimethylbenzene	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
1,3,5-Trimethylbenzene	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
Vinyl chloride	<0.117		0.117		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
Xylenes, Total	<0.176		0.176		mg/Kg	☼	09/20/17 06:08	09/20/17 15:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:08	09/20/17 15:10	1
Dibromofluoromethane (Surr)	96		75 - 115				09/20/17 06:08	09/20/17 15:10	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:08	09/20/17 15:10	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Acenaphthene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Acenaphthylene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Anthracene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Benzo[a]anthracene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Benzo[a]pyrene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Benzo[b]fluoranthene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Benzo[g,h,i]perylene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Benzo[k]fluoranthene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Chrysene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Dibenz(a,h)anthracene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Fluoranthene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Fluorene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Indeno[1,2,3-cd]pyrene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Naphthalene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Phenanthrene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Pyrene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	54		32 - 110				09/19/17 12:43	09/20/17 16:53	1
Nitrobenzene-d5 (Surr)	68		15 - 113				09/19/17 12:43	09/20/17 16:53	1
Terphenyl-d14 (Surr)	48		31 - 110				09/19/17 12:43	09/20/17 16:53	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.89		7.89		mg/Kg	☼	09/18/17 10:00	09/19/17 14:34	2
Barium	179		0.986		mg/Kg	☼	09/18/17 10:00	09/19/17 14:34	2
Cadmium	<1.97		1.97		mg/Kg	☼	09/18/17 10:00	09/19/17 14:34	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (12-14')

Lab Sample ID: 310-114352-31

Date Collected: 09/13/17 11:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	27.9		1.97		mg/Kg	☼	09/18/17 10:00	09/19/17 14:34	2
Lead	13.7		9.86		mg/Kg	☼	09/18/17 10:00	09/19/17 14:34	2
Selenium	<14.8		14.8		mg/Kg	☼	09/18/17 10:00	09/19/17 14:34	2
Silver	<1.97		1.97		mg/Kg	☼	09/18/17 10:00	09/19/17 14:34	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0302		0.0191		mg/Kg	☼	09/19/17 12:58	09/20/17 14:36	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP3 (2-4')

Lab Sample ID: 310-114352-32

Date Collected: 09/13/17 11:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.628		0.628		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Benzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Bromobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Bromochloromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Bromodichloromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Bromoform	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Bromomethane	<0.628		0.628		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
2-Butanone (MEK)	<0.314		0.314		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
n-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
sec-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
tert-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Carbon disulfide	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Carbon tetrachloride	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Chlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Chlorodibromomethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Chloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Chloroform	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Chloromethane	<0.314		0.314		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
2-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
4-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,2-Dibromo-3-Chloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,2-Dibromoethane (EDB)	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Dibromomethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,2-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,3-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,4-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Dichlorodifluoromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,1-Dichloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,2-Dichloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,1-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
cis-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
trans-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,3-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
2,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,1-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
cis-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
trans-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Ethylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Hexachlorobutadiene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Hexane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Isopropylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
p-Isopropyltoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Methylene Chloride	<0.314		0.314		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Methyl tert-butyl ether	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Naphthalene	<0.314		0.314		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
N-Propylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
Styrene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1
1,1,1,2-Tetrachloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/20/17 21:11	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP3 (2-4')

Lab Sample ID: 310-114352-32

Date Collected: 09/13/17 11:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.8

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	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
Tetrachloroethene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
Toluene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
1,2,3-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
1,2,4-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
1,1,1-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
1,1,2-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
Trichloroethene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
Trichlorofluoromethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
1,2,3-Trichloropropane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
1,2,4-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
1,3,5-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
Vinyl chloride	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
Xylenes, Total	<0.188		0.188		mg/Kg	☼	09/20/17 06:15	09/20/17 21:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:15	09/20/17 21:11	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:15	09/20/17 21:11	1
Toluene-d8 (Surr)	93		78 - 118				09/20/17 06:15	09/20/17 21:11	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.0161		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Acenaphthene	<0.0124		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Acenaphthylene	0.0259		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Anthracene	0.0573		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Benzo[a]anthracene	0.259		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Benzo[a]pyrene	0.327		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Benzo[b]fluoranthene	0.406		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Benzo[g,h,i]perylene	0.174		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Benzo[k]fluoranthene	0.150		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Chrysene	0.257		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Dibenz(a,h)anthracene	0.0477		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Fluoranthene	0.417		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Fluorene	0.0195		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Indeno[1,2,3-cd]pyrene	0.164		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Naphthalene	0.0420		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Phenanthrene	0.137		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Pyrene	0.392		0.0124		mg/Kg	☼	09/19/17 12:43	09/20/17 17:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		32 - 110				09/19/17 12:43	09/20/17 17:24	1
Nitrobenzene-d5 (Surr)	71		15 - 113				09/19/17 12:43	09/20/17 17:24	1
Terphenyl-d14 (Surr)	68		31 - 110				09/19/17 12:43	09/20/17 17:24	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.63		7.63		mg/Kg	☼	09/18/17 10:00	09/19/17 14:36	2
Barium	171		0.954		mg/Kg	☼	09/18/17 10:00	09/19/17 14:36	2
Cadmium	<1.91		1.91		mg/Kg	☼	09/18/17 10:00	09/19/17 14:36	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP3 (2-4')

Lab Sample ID: 310-114352-32

Date Collected: 09/13/17 11:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	30.0		1.91		mg/Kg	☼	09/18/17 10:00	09/19/17 14:36	2
Lead	13.1		9.54		mg/Kg	☼	09/18/17 10:00	09/19/17 14:36	2
Selenium	<14.3		14.3		mg/Kg	☼	09/18/17 10:00	09/19/17 14:36	2
Silver	<1.91		1.91		mg/Kg	☼	09/18/17 10:00	09/19/17 14:36	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0875		0.0193		mg/Kg	☼	09/19/17 12:58	09/20/17 14:38	1

DRAFT

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP3 (7-9')

Lab Sample ID: 310-114352-33

Date Collected: 09/13/17 12:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.581		0.581		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Benzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Bromobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Bromochloromethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Bromodichloromethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Bromoform	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Bromomethane	<0.581		0.581		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
2-Butanone (MEK)	<0.291		0.291		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
n-Butylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
sec-Butylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
tert-Butylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Carbon disulfide	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Carbon tetrachloride	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Chlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Chlorodibromomethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Chloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Chloroform	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Chloromethane	<0.291		0.291		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
2-Chlorotoluene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
4-Chlorotoluene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,2-Dibromo-3-Chloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,2-Dibromoethane (EDB)	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Dibromomethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,2-Dichlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,3-Dichlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,4-Dichlorobenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Dichlorodifluoromethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,1-Dichloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,2-Dichloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,1-Dichloroethene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
cis-1,2-Dichloroethene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
trans-1,2-Dichloroethene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,2-Dichloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,3-Dichloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
2,2-Dichloropropane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,1-Dichloropropene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
cis-1,3-Dichloropropene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
trans-1,3-Dichloropropene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Ethylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Hexachlorobutadiene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Hexane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Isopropylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
p-Isopropyltoluene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Methylene Chloride	<0.291		0.291		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Methyl tert-butyl ether	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Naphthalene	<0.291		0.291		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
N-Propylbenzene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
Styrene	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1
1,1,1,2-Tetrachloroethane	<0.116		0.116		mg/Kg	*	09/20/17 06:08	09/20/17 15:34	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP3 (7-9')

Lab Sample ID: 310-114352-33

Date Collected: 09/13/17 12:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.1

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	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
Tetrachloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
Toluene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
1,2,3-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
1,2,4-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
1,1,1-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
1,1,1,2-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
Trichloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
Trichlorofluoromethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
1,2,3-Trichloropropane	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
1,2,4-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
1,3,5-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
Vinyl chloride	<0.116		0.116		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
Xylenes, Total	<0.174		0.174		mg/Kg	☼	09/20/17 06:08	09/20/17 15:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:08	09/20/17 15:34	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:08	09/20/17 15:34	1
Toluene-d8 (Surr)	94		78 - 118				09/20/17 06:08	09/20/17 15:34	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Acenaphthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Acenaphthylene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Anthracene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Benzo[a]anthracene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Benzo[a]pyrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Benzo[b]fluoranthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Benzo[g,h,i]perylene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Benzo[k]fluoranthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Chrysene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Dibenz(a,h)anthracene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Fluoranthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Fluorene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Indeno[1,2,3-cd]pyrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Naphthalene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Phenanthrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Pyrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/20/17 17:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	56		32 - 110				09/19/17 12:43	09/20/17 17:56	1
Nitrobenzene-d5 (Surr)	65		15 - 113				09/19/17 12:43	09/20/17 17:56	1
Terphenyl-d14 (Surr)	52		31 - 110				09/19/17 12:43	09/20/17 17:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.12		7.12		mg/Kg	☼	09/18/17 10:00	09/19/17 14:46	2
Barium	141		0.890		mg/Kg	☼	09/18/17 10:00	09/19/17 14:46	2
Cadmium	<1.78		1.78		mg/Kg	☼	09/18/17 10:00	09/19/17 14:46	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Client Sample ID: GP3 (7-9')

Lab Sample ID: 310-114352-33

Date Collected: 09/13/17 12:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	27.5		1.78		mg/Kg	☼	09/18/17 10:00	09/19/17 14:46	2
Lead	12.2		8.90		mg/Kg	☼	09/18/17 10:00	09/19/17 14:46	2
Selenium	<13.4		13.4		mg/Kg	☼	09/18/17 10:00	09/19/17 14:46	2
Silver	<1.78		1.78		mg/Kg	☼	09/18/17 10:00	09/19/17 14:46	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0526		0.0182		mg/Kg	☼	09/19/17 12:58	09/20/17 14:39	1

DRAFT

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP1 (0-2')

Lab Sample ID: 310-114352-34

Date Collected: 09/13/17 12:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 94.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.466		0.466		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Benzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Bromobenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Bromochloromethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Bromodichloromethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Bromoform	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Bromomethane	<0.466		0.466		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
2-Butanone (MEK)	<0.233		0.233		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
n-Butylbenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
sec-Butylbenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
tert-Butylbenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Carbon disulfide	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Carbon tetrachloride	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Chlorobenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Chlorodibromomethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Chloroethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Chloroform	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Chloromethane	<0.233		0.233		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
2-Chlorotoluene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
4-Chlorotoluene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,2-Dibromo-3-Chloropropane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,2-Dibromoethane (EDB)	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Dibromomethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,2-Dichlorobenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,3-Dichlorobenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,4-Dichlorobenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Dichlorodifluoromethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,1-Dichloroethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,2-Dichloroethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,1-Dichloroethene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
cis-1,2-Dichloroethene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
trans-1,2-Dichloroethene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,2-Dichloropropane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,3-Dichloropropane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
2,2-Dichloropropane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,1-Dichloropropene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
cis-1,3-Dichloropropene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
trans-1,3-Dichloropropene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Ethylbenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Hexachlorobutadiene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Hexane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Isopropylbenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
p-Isopropyltoluene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Methylene Chloride	<0.233		0.233		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Methyl tert-butyl ether	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Naphthalene	<0.233		0.233		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
N-Propylbenzene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
Styrene	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1
1,1,1,2-Tetrachloroethane	<0.0931		0.0931		mg/Kg	*	09/20/17 06:15	09/20/17 21:35	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP1 (0-2')

Lab Sample ID: 310-114352-34

Date Collected: 09/13/17 12:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 94.0

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	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
Tetrachloroethene	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
Toluene	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
1,2,3-Trichlorobenzene	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
1,2,4-Trichlorobenzene	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
1,1,1-Trichloroethane	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
1,1,2-Trichloroethane	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
Trichloroethene	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
Trichlorofluoromethane	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
1,2,3-Trichloropropane	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
1,2,4-Trimethylbenzene	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
1,3,5-Trimethylbenzene	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
Vinyl chloride	<0.0931		0.0931		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
Xylenes, Total	<0.140		0.140		mg/Kg	☼	09/20/17 06:15	09/20/17 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:15	09/20/17 21:35	1
Dibromofluoromethane (Surr)	97		75 - 115				09/20/17 06:15	09/20/17 21:35	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:15	09/20/17 21:35	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.0107		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Acenaphthene	<0.0102		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Acenaphthylene	<0.0102		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Anthracene	<0.0102		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Benzo[a]anthracene	0.0288		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Benzo[a]pyrene	0.0347		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Benzo[b]fluoranthene	0.0549		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Benzo[g,h,i]perylene	0.0270		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Benzo[k]fluoranthene	0.0184		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Chrysene	0.0350		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Dibenz(a,h)anthracene	<0.0102		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Fluoranthene	0.0561		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Fluorene	<0.0102		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Indeno[1,2,3-cd]pyrene	0.0264		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Naphthalene	<0.0102		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Phenanthrene	0.0252		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Pyrene	0.0481		0.0102		mg/Kg	☼	09/19/17 12:43	09/20/17 18:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	52		32 - 110				09/19/17 12:43	09/20/17 18:28	1
Nitrobenzene-d5 (Surr)	56		15 - 113				09/19/17 12:43	09/20/17 18:28	1
Terphenyl-d14 (Surr)	59		31 - 110				09/19/17 12:43	09/20/17 18:28	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<5.63		5.63		mg/Kg	☼	09/18/17 10:00	09/19/17 14:49	2
Barium	71.6		0.703		mg/Kg	☼	09/18/17 10:00	09/19/17 14:49	2
Cadmium	<1.41		1.41		mg/Kg	☼	09/18/17 10:00	09/19/17 14:49	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP1 (0-2')

Lab Sample ID: 310-114352-34

Date Collected: 09/13/17 12:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 94.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	12.7		1.41		mg/Kg	☼	09/18/17 10:00	09/19/17 14:49	2
Lead	7.47		7.03		mg/Kg	☼	09/18/17 10:00	09/19/17 14:49	2
Selenium	<10.6		10.6		mg/Kg	☼	09/18/17 10:00	09/19/17 14:49	2
Silver	<1.41		1.41		mg/Kg	☼	09/18/17 10:00	09/19/17 14:49	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0211		0.0197		mg/Kg	☼	09/19/17 12:58	09/20/17 14:41	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP1 (12-14')

Lab Sample ID: 310-114352-35

Date Collected: 09/13/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.647		0.647		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Benzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Bromobenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Bromochloromethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Bromodichloromethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Bromoform	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Bromomethane	<0.647		0.647		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
2-Butanone (MEK)	<0.324		0.324		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
n-Butylbenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
sec-Butylbenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
tert-Butylbenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Carbon disulfide	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Carbon tetrachloride	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Chlorobenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Chlorodibromomethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Chloroethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Chloroform	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Chloromethane	<0.324		0.324		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
2-Chlorotoluene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
4-Chlorotoluene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,2-Dibromo-3-Chloropropane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,2-Dibromoethane (EDB)	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Dibromomethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,2-Dichlorobenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,3-Dichlorobenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,4-Dichlorobenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Dichlorodifluoromethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,1-Dichloroethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,2-Dichloroethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,1-Dichloroethene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
cis-1,2-Dichloroethene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
trans-1,2-Dichloroethene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,2-Dichloropropane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,3-Dichloropropane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
2,2-Dichloropropane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,1-Dichloropropene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
cis-1,3-Dichloropropene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
trans-1,3-Dichloropropene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Ethylbenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Hexachlorobutadiene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Hexane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Isopropylbenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
p-Isopropyltoluene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Methylene Chloride	<0.324		0.324		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Methyl tert-butyl ether	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Naphthalene	<0.324		0.324		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
N-Propylbenzene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
Styrene	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1
1,1,1,2-Tetrachloroethane	<0.129		0.129		mg/Kg	*	09/20/17 06:15	09/20/17 21:59	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP1 (12-14')

Lab Sample ID: 310-114352-35

Date Collected: 09/13/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.2

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	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
Tetrachloroethene	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
Toluene	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
1,2,3-Trichlorobenzene	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
1,2,4-Trichlorobenzene	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
1,1,1-Trichloroethane	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
1,1,2-Trichloroethane	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
Trichloroethene	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
Trichlorofluoromethane	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
1,2,3-Trichloropropane	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
1,2,4-Trimethylbenzene	0.132		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
1,3,5-Trimethylbenzene	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
Vinyl chloride	<0.129		0.129		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
Xylenes, Total	<0.194		0.194		mg/Kg	☼	09/20/17 06:15	09/20/17 21:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		79 - 119				09/20/17 06:15	09/20/17 21:59	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:15	09/20/17 21:59	1
Toluene-d8 (Surr)	97		78 - 118				09/20/17 06:15	09/20/17 21:59	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Acenaphthene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Acenaphthylene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Anthracene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Benzo[a]anthracene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Benzo[a]pyrene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Benzo[b]fluoranthene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Benzo[g,h,i]perylene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Benzo[k]fluoranthene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Chrysene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Dibenz(a,h)anthracene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Fluoranthene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Fluorene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Indeno[1,2,3-cd]pyrene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Naphthalene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Phenanthrene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Pyrene	<0.0122		0.0122		mg/Kg	☼	09/19/17 12:43	09/20/17 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	48		32 - 110				09/19/17 12:43	09/20/17 18:59	1
Nitrobenzene-d5 (Surr)	53		15 - 113				09/19/17 12:43	09/20/17 18:59	1
Terphenyl-d14 (Surr)	41		31 - 110				09/19/17 12:43	09/20/17 18:59	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.19		7.19		mg/Kg	☼	09/18/17 10:00	09/19/17 14:51	2
Barium	193		0.898		mg/Kg	☼	09/18/17 10:00	09/19/17 14:51	2
Cadmium	<1.80		1.80		mg/Kg	☼	09/18/17 10:00	09/19/17 14:51	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP1 (12-14')

Lab Sample ID: 310-114352-35

Date Collected: 09/13/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	23.2		1.80		mg/Kg	☼	09/18/17 10:00	09/19/17 14:51	2
Lead	9.69		8.98		mg/Kg	☼	09/18/17 10:00	09/19/17 14:51	2
Selenium	<13.5		13.5		mg/Kg	☼	09/18/17 10:00	09/19/17 14:51	2
Silver	<1.80		1.80		mg/Kg	☼	09/18/17 10:00	09/19/17 14:51	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0422		0.0199		mg/Kg	☼	09/19/17 12:58	09/20/17 14:42	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP4 (2-3')

Lab Sample ID: 310-114352-36

Date Collected: 09/13/17 13:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.732		0.732		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Benzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Bromobenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Bromochloromethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Bromodichloromethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Bromoform	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Bromomethane	<0.732		0.732		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
2-Butanone (MEK)	<0.366		0.366		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
n-Butylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
sec-Butylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
tert-Butylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Carbon disulfide	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Carbon tetrachloride	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Chlorobenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Chlorodibromomethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Chloroethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Chloroform	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Chloromethane	<0.366		0.366		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
2-Chlorotoluene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
4-Chlorotoluene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2-Dibromo-3-Chloropropane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2-Dibromoethane (EDB)	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Dibromomethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2-Dichlorobenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,3-Dichlorobenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,4-Dichlorobenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Dichlorodifluoromethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,1-Dichloroethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2-Dichloroethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,1-Dichloroethene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
cis-1,2-Dichloroethene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
trans-1,2-Dichloroethene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2-Dichloropropane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,3-Dichloropropane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
2,2-Dichloropropane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,1-Dichloropropene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
cis-1,3-Dichloropropene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
trans-1,3-Dichloropropene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Ethylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Hexachlorobutadiene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Hexane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Isopropylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
p-Isopropyltoluene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Methylene Chloride	<0.366		0.366		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Methyl tert-butyl ether	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Naphthalene	<0.366		0.366		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
N-Propylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Styrene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,1,1,2-Tetrachloroethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP4 (2-3')

Lab Sample ID: 310-114352-36

Date Collected: 09/13/17 13:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.1

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	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Tetrachloroethene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Toluene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2,3-Trichlorobenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2,4-Trichlorobenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,1,1-Trichloroethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,1,2-Trichloroethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Trichloroethene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Trichlorofluoromethane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2,3-Trichloropropane	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,2,4-Trimethylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
1,3,5-Trimethylbenzene	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Vinyl chloride	<0.146		0.146		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Xylenes, Total	<0.220		0.220		mg/Kg	☼	09/20/17 06:15	09/20/17 22:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		79 - 119				09/20/17 06:15	09/20/17 22:24	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:15	09/20/17 22:24	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:15	09/20/17 22:24	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Acenaphthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Acenaphthylene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Anthracene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Benzo[a]anthracene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Benzo[a]pyrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Benzo[b]fluoranthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Benzo[g,h,i]perylene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Benzo[k]fluoranthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Chrysene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Dibenz(a,h)anthracene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Fluoranthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Fluorene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Indeno[1,2,3-cd]pyrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Naphthalene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Phenanthrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Pyrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 19:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		32 - 110				09/19/17 12:43	09/20/17 19:31	1
Nitrobenzene-d5 (Surr)	73		15 - 113				09/19/17 12:43	09/20/17 19:31	1
Terphenyl-d14 (Surr)	58		31 - 110				09/19/17 12:43	09/20/17 19:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.86		6.86		mg/Kg	☼	09/18/17 10:00	09/19/17 14:53	2
Barium	136		0.857		mg/Kg	☼	09/18/17 10:00	09/19/17 14:53	2
Cadmium	<1.71		1.71		mg/Kg	☼	09/18/17 10:00	09/19/17 14:53	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP4 (2-3')

Lab Sample ID: 310-114352-36

Date Collected: 09/13/17 13:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.7		1.71		mg/Kg	☼	09/18/17 10:00	09/19/17 14:53	2
Lead	10.9		8.57		mg/Kg	☼	09/18/17 10:00	09/19/17 14:53	2
Selenium	<12.9		12.9		mg/Kg	☼	09/18/17 10:00	09/19/17 14:53	2
Silver	<1.71		1.71		mg/Kg	☼	09/18/17 10:00	09/19/17 14:53	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0353		0.0199		mg/Kg	☼	09/19/17 12:58	09/20/17 14:47	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP4 (7-9')

Lab Sample ID: 310-114352-37

Date Collected: 09/13/17 13:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.575		0.575		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Benzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Bromobenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Bromochloromethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Bromodichloromethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Bromoform	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Bromomethane	<0.575		0.575		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
2-Butanone (MEK)	<0.288		0.288		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
n-Butylbenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
sec-Butylbenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
tert-Butylbenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Carbon disulfide	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Carbon tetrachloride	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Chlorobenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Chlorodibromomethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Chloroethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Chloroform	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Chloromethane	<0.288		0.288		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
2-Chlorotoluene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
4-Chlorotoluene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,2-Dibromo-3-Chloropropane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,2-Dibromoethane (EDB)	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Dibromomethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,2-Dichlorobenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,3-Dichlorobenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,4-Dichlorobenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Dichlorodifluoromethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,1-Dichloroethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,2-Dichloroethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,1-Dichloroethene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
cis-1,2-Dichloroethene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
trans-1,2-Dichloroethene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,2-Dichloropropane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,3-Dichloropropane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
2,2-Dichloropropane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,1-Dichloropropene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
cis-1,3-Dichloropropene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
trans-1,3-Dichloropropene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Ethylbenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Hexachlorobutadiene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Hexane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Isopropylbenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
p-Isopropyltoluene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Methylene Chloride	<0.288		0.288		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Methyl tert-butyl ether	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Naphthalene	<0.288		0.288		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
N-Propylbenzene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
Styrene	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1
1,1,1,2-Tetrachloroethane	<0.115		0.115		mg/Kg	*	09/20/17 06:15	09/20/17 22:48	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP4 (7-9')

Lab Sample ID: 310-114352-37

Date Collected: 09/13/17 13:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.0

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	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
Tetrachloroethene	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
Toluene	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
1,2,3-Trichlorobenzene	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
1,2,4-Trichlorobenzene	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
1,1,1-Trichloroethane	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
1,1,2-Trichloroethane	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
Trichloroethene	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
Trichlorofluoromethane	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
1,2,3-Trichloropropane	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
1,2,4-Trimethylbenzene	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
1,3,5-Trimethylbenzene	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
Vinyl chloride	<0.115		0.115		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
Xylenes, Total	<0.173		0.173		mg/Kg	☼	09/20/17 06:15	09/20/17 22:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:15	09/20/17 22:48	1
Dibromofluoromethane (Surr)	97		75 - 115				09/20/17 06:15	09/20/17 22:48	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:15	09/20/17 22:48	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Acenaphthene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Acenaphthylene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Anthracene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Benzo[a]anthracene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Benzo[a]pyrene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Benzo[b]fluoranthene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Benzo[g,h,i]perylene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Benzo[k]fluoranthene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Chrysene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Dibenz(a,h)anthracene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Fluoranthene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Fluorene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Indeno[1,2,3-cd]pyrene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Naphthalene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Phenanthrene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Pyrene	<0.0121		0.0121		mg/Kg	☼	09/19/17 12:43	09/20/17 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	46		32 - 110				09/19/17 12:43	09/20/17 20:02	1
Nitrobenzene-d5 (Surr)	58		15 - 113				09/19/17 12:43	09/20/17 20:02	1
Terphenyl-d14 (Surr)	42		31 - 110				09/19/17 12:43	09/20/17 20:02	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.13		7.13		mg/Kg	☼	09/18/17 10:00	09/19/17 13:53	2
Barium	166		0.891		mg/Kg	☼	09/18/17 10:00	09/19/17 13:53	2
Cadmium	<1.78		1.78		mg/Kg	☼	09/18/17 10:00	09/19/17 13:53	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP4 (7-9')

Lab Sample ID: 310-114352-37

Date Collected: 09/13/17 13:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	30.7		1.78		mg/Kg	☼	09/18/17 10:00	09/19/17 13:53	2
Lead	11.6		8.91		mg/Kg	☼	09/18/17 10:00	09/19/17 13:53	2
Selenium	<13.4		13.4		mg/Kg	☼	09/18/17 10:00	09/19/17 13:53	2
Silver	<1.78		1.78		mg/Kg	☼	09/18/17 10:00	09/19/17 13:53	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0451		0.0187		mg/Kg	☼	09/19/17 12:58	09/20/17 14:48	1

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- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (0-2')

Lab Sample ID: 310-114352-38

Date Collected: 09/13/17 13:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.581		0.581		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Benzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Bromobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Bromochloromethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Bromodichloromethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Bromoform	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Bromomethane	<0.581		0.581		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
2-Butanone (MEK)	<0.291		0.291		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
n-Butylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
sec-Butylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
tert-Butylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Carbon disulfide	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Carbon tetrachloride	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Chlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Chlorodibromomethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Chloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Chloroform	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Chloromethane	<0.291		0.291		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
2-Chlorotoluene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
4-Chlorotoluene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2-Dibromo-3-Chloropropane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2-Dibromoethane (EDB)	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Dibromomethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2-Dichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,3-Dichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,4-Dichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Dichlorodifluoromethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,1-Dichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2-Dichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,1-Dichloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
cis-1,2-Dichloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
trans-1,2-Dichloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2-Dichloropropane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,3-Dichloropropane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
2,2-Dichloropropane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,1-Dichloropropene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
cis-1,3-Dichloropropene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
trans-1,3-Dichloropropene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Ethylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Hexachlorobutadiene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Hexane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Isopropylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
p-Isopropyltoluene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Methylene Chloride	<0.291		0.291		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Methyl tert-butyl ether	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Naphthalene	<0.291		0.291		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
N-Propylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Styrene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,1,1,2-Tetrachloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (0-2')

Lab Sample ID: 310-114352-38

Date Collected: 09/13/17 13:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

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	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Tetrachloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Toluene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2,3-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2,4-Trichlorobenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,1,1-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,1,2-Trichloroethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Trichloroethene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Trichlorofluoromethane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2,3-Trichloropropane	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,2,4-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
1,3,5-Trimethylbenzene	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Vinyl chloride	<0.116		0.116		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Xylenes, Total	<0.174		0.174		mg/Kg	☼	09/20/17 06:15	09/20/17 23:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:15	09/20/17 23:12	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:15	09/20/17 23:12	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:15	09/20/17 23:12	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.320		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Acenaphthene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Acenaphthylene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Anthracene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Benzo[a]anthracene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Benzo[a]pyrene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Benzo[b]fluoranthene	0.217		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Benzo[g,h,i]perylene	0.247		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Benzo[k]fluoranthene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Chrysene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Dibenz(a,h)anthracene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Fluoranthene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Fluorene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Indeno[1,2,3-cd]pyrene	0.181		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Naphthalene	0.232		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Phenanthrene	0.137		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Pyrene	<0.114		0.114		mg/Kg	☼	09/19/17 12:43	09/22/17 02:41	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		32 - 110				09/19/17 12:43	09/22/17 02:41	10
Nitrobenzene-d5 (Surr)	81		15 - 113				09/19/17 12:43	09/22/17 02:41	10
Terphenyl-d14 (Surr)	79		31 - 110				09/19/17 12:43	09/22/17 02:41	10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1
PCB-1221	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1
PCB-1232	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (0-2')

Lab Sample ID: 310-114352-38

Date Collected: 09/13/17 13:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1
PCB-1248	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1
PCB-1254	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1
PCB-1260	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1
PCB-1268	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1
Polychlorinated biphenyls, Total	<0.0589		0.0589		mg/Kg	☼	09/15/17 16:23	09/21/17 11:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	49		10 - 110	09/15/17 16:23	09/21/17 11:10	1
Tetrachloro-m-xylene	50		10 - 110	09/15/17 16:23	09/21/17 11:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<13.2		13.2		mg/Kg	☼	09/18/17 10:00	09/19/17 13:57	4
Barium	178		1.65		mg/Kg	☼	09/18/17 10:00	09/19/17 13:57	4
Cadmium	<3.31		3.31		mg/Kg	☼	09/18/17 10:00	09/19/17 13:57	4
Chromium	13.9		3.31		mg/Kg	☼	09/18/17 10:00	09/19/17 13:57	4
Lead	19.6		16.5		mg/Kg	☼	09/18/17 10:00	09/19/17 13:57	4
Selenium	<24.8		24.8		mg/Kg	☼	09/18/17 10:00	09/19/17 13:57	4
Silver	<3.31		3.31		mg/Kg	☼	09/18/17 10:00	09/19/17 13:57	4

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0249		0.0188		mg/Kg	☼	09/19/17 12:58	09/20/17 14:50	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (7-9')

Lab Sample ID: 310-114352-39

Date Collected: 09/13/17 14:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.633		0.633		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Benzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Bromobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Bromochloromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Bromodichloromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Bromoform	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Bromomethane	<0.633		0.633		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
2-Butanone (MEK)	<0.316		0.316		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
n-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
sec-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
tert-Butylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Carbon disulfide	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Carbon tetrachloride	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Chlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Chlorodibromomethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Chloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Chloroform	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Chloromethane	<0.316		0.316		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
2-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
4-Chlorotoluene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2-Dibromo-3-Chloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2-Dibromoethane (EDB)	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Dibromomethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,3-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,4-Dichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Dichlorodifluoromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,1-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2-Dichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,1-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
cis-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
trans-1,2-Dichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,3-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
2,2-Dichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,1-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
cis-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
trans-1,3-Dichloropropene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Ethylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Hexachlorobutadiene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Hexane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Isopropylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
p-Isopropyltoluene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Methylene Chloride	<0.316		0.316		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Methyl tert-butyl ether	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Naphthalene	<0.316		0.316		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
N-Propylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Styrene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,1,1,2-Tetrachloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (7-9')

Lab Sample ID: 310-114352-39

Date Collected: 09/13/17 14:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.9

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	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Tetrachloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Toluene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2,3-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2,4-Trichlorobenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,1,1-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,1,2-Trichloroethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Trichloroethene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Trichlorofluoromethane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2,3-Trichloropropane	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,2,4-Trimethylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
1,3,5-Trimethylbenzene	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Vinyl chloride	<0.127		0.127		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Xylenes, Total	<0.190		0.190		mg/Kg	☼	09/20/17 06:15	09/20/17 23:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:15	09/20/17 23:36	1
Dibromofluoromethane (Surr)	98		75 - 115				09/20/17 06:15	09/20/17 23:36	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:15	09/20/17 23:36	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Acenaphthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Acenaphthylene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Anthracene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Benzo[a]anthracene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Benzo[a]pyrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Benzo[b]fluoranthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Benzo[g,h,i]perylene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Benzo[k]fluoranthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Chrysene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Dibenz(a,h)anthracene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Fluoranthene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Fluorene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Indeno[1,2,3-cd]pyrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Naphthalene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Phenanthrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Pyrene	<0.0119		0.0119		mg/Kg	☼	09/19/17 12:43	09/20/17 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		32 - 110				09/19/17 12:43	09/20/17 20:34	1
Nitrobenzene-d5 (Surr)	75		15 - 113				09/19/17 12:43	09/20/17 20:34	1
Terphenyl-d14 (Surr)	68		31 - 110				09/19/17 12:43	09/20/17 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1
PCB-1221	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1
PCB-1232	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (7-9')

Lab Sample ID: 310-114352-39

Date Collected: 09/13/17 14:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1
PCB-1248	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1
PCB-1254	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1
PCB-1260	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1
PCB-1268	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1
Polychlorinated biphenyls, Total	<0.147		0.147		mg/Kg	☼	09/15/17 16:23	09/21/17 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	50		10 - 110	09/15/17 16:23	09/21/17 11:21	1
Tetrachloro-m-xylene	56		10 - 110	09/15/17 16:23	09/21/17 11:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.96		7.96		mg/Kg	☼	09/18/17 10:00	09/19/17 13:59	2
Barium	229		0.995		mg/Kg	☼	09/18/17 10:00	09/19/17 13:59	2
Cadmium	<1.99		1.99		mg/Kg	☼	09/18/17 10:00	09/19/17 13:59	2
Chromium	30.4		1.99		mg/Kg	☼	09/18/17 10:00	09/19/17 13:59	2
Lead	27.1		9.95		mg/Kg	☼	09/18/17 10:00	09/19/17 13:59	2
Selenium	<14.9		14.9		mg/Kg	☼	09/18/17 10:00	09/19/17 13:59	2
Silver	<1.99		1.99		mg/Kg	☼	09/18/17 10:00	09/19/17 13:59	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0350		0.0185		mg/Kg	☼	09/19/17 13:03	09/20/17 12:34	1

DRAFT

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP8 (0-2')

Lab Sample ID: 310-114352-40

Date Collected: 09/13/17 17:05

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 85.8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.592		0.592		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Benzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Bromobenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Bromochloromethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Bromodichloromethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Bromoform	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Bromomethane	<0.592		0.592		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
2-Butanone (MEK)	<0.296		0.296		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
n-Butylbenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
sec-Butylbenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
tert-Butylbenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Carbon disulfide	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Carbon tetrachloride	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Chlorobenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Chlorodibromomethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Chloroethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Chloroform	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Chloromethane	<0.296		0.296		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
2-Chlorotoluene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
4-Chlorotoluene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,2-Dibromo-3-Chloropropane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,2-Dibromoethane (EDB)	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Dibromomethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,2-Dichlorobenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,3-Dichlorobenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,4-Dichlorobenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Dichlorodifluoromethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,1-Dichloroethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,2-Dichloroethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,1-Dichloroethene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
cis-1,2-Dichloroethene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
trans-1,2-Dichloroethene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,2-Dichloropropane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,3-Dichloropropane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
2,2-Dichloropropane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,1-Dichloropropene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
cis-1,3-Dichloropropene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
trans-1,3-Dichloropropene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Ethylbenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Hexachlorobutadiene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Hexane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Isopropylbenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
p-Isopropyltoluene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Methylene Chloride	<0.296		0.296		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Methyl tert-butyl ether	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Naphthalene	<0.296		0.296		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
N-Propylbenzene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
Styrene	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1
1,1,1,2-Tetrachloroethane	<0.118		0.118		mg/Kg	*	09/20/17 06:15	09/21/17 00:00	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP8 (0-2')

Lab Sample ID: 310-114352-40

Date Collected: 09/13/17 17:05

Matrix: Soil

Date Received: 09/15/17 09:15

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	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
Tetrachloroethene	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
Toluene	0.122		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
1,2,3-Trichlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
1,2,4-Trichlorobenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
1,1,1-Trichloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
1,1,2-Trichloroethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
Trichloroethene	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
Trichlorofluoromethane	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
1,2,3-Trichloropropane	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
1,2,4-Trimethylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
1,3,5-Trimethylbenzene	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
Vinyl chloride	<0.118		0.118		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
Xylenes, Total	<0.177		0.177		mg/Kg	☼	09/20/17 06:15	09/21/17 00:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		79 - 119				09/20/17 06:15	09/21/17 00:00	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:15	09/21/17 00:00	1
Toluene-d8 (Surr)	96		78 - 118				09/20/17 06:15	09/21/17 00:00	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.457		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Acenaphthene	<0.110		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Acenaphthylene	<0.110		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Anthracene	<0.110		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Benzo[a]anthracene	0.297		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Benzo[a]pyrene	0.343		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Benzo[b]fluoranthene	0.498		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Benzo[g,h,i]perylene	0.247		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Benzo[k]fluoranthene	0.188		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Chrysene	0.317		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Dibenz(a,h)anthracene	0.165		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Fluoranthene	0.528		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Fluorene	<0.110		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Indeno[1,2,3-cd]pyrene	0.276		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Naphthalene	0.314		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Phenanthrene	0.361		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Pyrene	0.451		0.110		mg/Kg	☼	09/19/17 12:43	09/20/17 23:11	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		32 - 110				09/19/17 12:43	09/20/17 23:11	10
Nitrobenzene-d5 (Surr)	68		15 - 113				09/19/17 12:43	09/20/17 23:11	10
Terphenyl-d14 (Surr)	82		31 - 110				09/19/17 12:43	09/20/17 23:11	10

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<6.86		6.86		mg/Kg	☼	09/18/17 10:00	09/19/17 14:02	2
Barium	158		0.858		mg/Kg	☼	09/18/17 10:00	09/19/17 14:02	2
Cadmium	<1.72		1.72		mg/Kg	☼	09/18/17 10:00	09/19/17 14:02	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP8 (0-2')

Lab Sample ID: 310-114352-40

Date Collected: 09/13/17 17:05

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 85.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	27.3		1.72		mg/Kg	☼	09/18/17 10:00	09/19/17 14:02	2
Lead	10.2		8.58		mg/Kg	☼	09/18/17 10:00	09/19/17 14:02	2
Selenium	<12.9		12.9		mg/Kg	☼	09/18/17 10:00	09/19/17 14:02	2
Silver	<1.72		1.72		mg/Kg	☼	09/18/17 10:00	09/19/17 14:02	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0644		0.0190		mg/Kg	☼	09/19/17 13:03	09/20/17 12:38	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP8 (5-7')

Lab Sample ID: 310-114352-41

Date Collected: 09/13/17 17:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.632		0.632		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Benzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Bromobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Bromochloromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Bromodichloromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Bromoform	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Bromomethane	<0.632		0.632		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
2-Butanone (MEK)	<0.316		0.316		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
n-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
sec-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
tert-Butylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Carbon disulfide	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Carbon tetrachloride	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Chlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Chlorodibromomethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Chloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Chloroform	0.138		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Chloromethane	<0.316		0.316		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
2-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
4-Chlorotoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,2-Dibromo-3-Chloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,2-Dibromoethane (EDB)	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Dibromomethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,2-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,3-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,4-Dichlorobenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Dichlorodifluoromethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,1-Dichloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,2-Dichloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,1-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
cis-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
trans-1,2-Dichloroethene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,3-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
2,2-Dichloropropane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,1-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
cis-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
trans-1,3-Dichloropropene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Ethylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Hexachlorobutadiene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Hexane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Isopropylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
p-Isopropyltoluene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Methylene Chloride	<0.316		0.316		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Methyl tert-butyl ether	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Naphthalene	<0.316		0.316		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
N-Propylbenzene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
Styrene	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1
1,1,1,2-Tetrachloroethane	<0.126		0.126		mg/Kg	*	09/20/17 06:15	09/21/17 00:24	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP8 (5-7')

Lab Sample ID: 310-114352-41

Date Collected: 09/13/17 17:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.1

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	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
Tetrachloroethene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
Toluene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
1,2,3-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
1,2,4-Trichlorobenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
1,1,1-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
1,1,1,2-Trichloroethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
Trichloroethene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
Trichlorofluoromethane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
1,2,3-Trichloropropane	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
1,2,4-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
1,3,5-Trimethylbenzene	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
Vinyl chloride	<0.126		0.126		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
Xylenes, Total	<0.190		0.190		mg/Kg	☼	09/20/17 06:15	09/21/17 00:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:15	09/21/17 00:24	1
Dibromofluoromethane (Surr)	96		75 - 115				09/20/17 06:15	09/21/17 00:24	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:15	09/21/17 00:24	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Acenaphthene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Acenaphthylene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Anthracene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Benzo[a]anthracene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Benzo[a]pyrene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Benzo[b]fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Benzo[g,h,i]perylene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Benzo[k]fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Chrysene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Dibenz(a,h)anthracene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Fluoranthene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Fluorene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Indeno[1,2,3-cd]pyrene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Naphthalene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Phenanthrene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Pyrene	<0.0125		0.0125		mg/Kg	☼	09/19/17 12:43	09/20/17 23:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	60		32 - 110				09/19/17 12:43	09/20/17 23:43	1
Nitrobenzene-d5 (Surr)	74		15 - 113				09/19/17 12:43	09/20/17 23:43	1
Terphenyl-d14 (Surr)	54		31 - 110				09/19/17 12:43	09/20/17 23:43	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.82		7.82		mg/Kg	☼	09/18/17 10:00	09/19/17 14:04	2
Barium	163		0.978		mg/Kg	☼	09/18/17 10:00	09/19/17 14:04	2
Cadmium	<1.96		1.96		mg/Kg	☼	09/18/17 10:00	09/19/17 14:04	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP8 (5-7')

Lab Sample ID: 310-114352-41

Date Collected: 09/13/17 17:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	32.7		1.96		mg/Kg	☼	09/18/17 10:00	09/19/17 14:04	2
Lead	12.7		9.78		mg/Kg	☼	09/18/17 10:00	09/19/17 14:04	2
Selenium	<14.7		14.7		mg/Kg	☼	09/18/17 10:00	09/19/17 14:04	2
Silver	<1.96		1.96		mg/Kg	☼	09/18/17 10:00	09/19/17 14:04	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0402		0.0192		mg/Kg	☼	09/19/17 13:03	09/20/17 12:40	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-01

Lab Sample ID: 310-114352-42

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.606		0.606		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Benzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Bromobenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Bromochloromethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Bromodichloromethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Bromoform	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Bromomethane	<0.606		0.606		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
2-Butanone (MEK)	<0.303		0.303		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
n-Butylbenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
sec-Butylbenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
tert-Butylbenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Carbon disulfide	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Carbon tetrachloride	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Chlorobenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Chlorodibromomethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Chloroethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Chloroform	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Chloromethane	<0.303		0.303		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
2-Chlorotoluene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
4-Chlorotoluene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,2-Dibromo-3-Chloropropane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,2-Dibromoethane (EDB)	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Dibromomethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,2-Dichlorobenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,3-Dichlorobenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,4-Dichlorobenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Dichlorodifluoromethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,1-Dichloroethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,2-Dichloroethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,1-Dichloroethene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
cis-1,2-Dichloroethene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
trans-1,2-Dichloroethene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,2-Dichloropropane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,3-Dichloropropane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
2,2-Dichloropropane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,1-Dichloropropene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
cis-1,3-Dichloropropene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
trans-1,3-Dichloropropene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Ethylbenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Hexachlorobutadiene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Hexane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Isopropylbenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
p-Isopropyltoluene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Methylene Chloride	<0.303		0.303		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Methyl tert-butyl ether	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Naphthalene	<0.303		0.303		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
N-Propylbenzene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
Styrene	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1
1,1,1,2-Tetrachloroethane	<0.121		0.121		mg/Kg	*	09/20/17 06:15	09/21/17 00:48	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-01

Lab Sample ID: 310-114352-42

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

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	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
Tetrachloroethene	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
Toluene	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
1,2,3-Trichlorobenzene	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
1,2,4-Trichlorobenzene	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
1,1,1-Trichloroethane	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
1,1,1,2-Trichloroethane	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
Trichloroethene	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
Trichlorofluoromethane	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
1,2,3-Trichloropropane	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
1,2,4-Trimethylbenzene	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
1,3,5-Trimethylbenzene	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
Vinyl chloride	<0.121		0.121		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
Xylenes, Total	<0.182		0.182		mg/Kg	☼	09/20/17 06:15	09/21/17 00:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:15	09/21/17 00:48	1
Dibromofluoromethane (Surr)	97		75 - 115				09/20/17 06:15	09/21/17 00:48	1
Toluene-d8 (Surr)	94		78 - 118				09/20/17 06:15	09/21/17 00:48	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Acenaphthene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Acenaphthylene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Anthracene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Benzo[a]anthracene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Benzo[a]pyrene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Benzo[b]fluoranthene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Benzo[g,h,i]perylene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Benzo[k]fluoranthene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Chrysene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Dibenz(a,h)anthracene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Fluoranthene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Fluorene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Indeno[1,2,3-cd]pyrene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Naphthalene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Phenanthrene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Pyrene	<0.0130		0.0130		mg/Kg	☼	09/19/17 12:43	09/21/17 00:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	54		32 - 110				09/19/17 12:43	09/21/17 00:14	1
Nitrobenzene-d5 (Surr)	66		15 - 113				09/19/17 12:43	09/21/17 00:14	1
Terphenyl-d14 (Surr)	60		31 - 110				09/19/17 12:43	09/21/17 00:14	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.87		3.89		mg/Kg	☼	09/18/17 10:00	09/18/17 22:16	1
Barium	174		0.486		mg/Kg	☼	09/18/17 10:00	09/18/17 22:16	1
Cadmium	1.15		0.971		mg/Kg	☼	09/18/17 10:00	09/18/17 22:16	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-01

Lab Sample ID: 310-114352-42

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.9		0.971		mg/Kg	☼	09/18/17 10:00	09/18/17 22:16	1
Lead	12.0		4.86		mg/Kg	☼	09/18/17 10:00	09/18/17 22:16	1
Selenium	<7.28		7.28		mg/Kg	☼	09/18/17 10:00	09/18/17 22:16	1
Silver	<0.971		0.971		mg/Kg	☼	09/18/17 10:00	09/18/17 22:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0284		0.0195		mg/Kg	☼	09/19/17 13:03	09/20/17 12:41	1

DRAFT

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-03

Lab Sample ID: 310-114352-43

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.3

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.654		0.654		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Benzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Bromobenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Bromochloromethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Bromodichloromethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Bromoform	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Bromomethane	<0.654		0.654		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
2-Butanone (MEK)	<0.327		0.327		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
n-Butylbenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
sec-Butylbenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
tert-Butylbenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Carbon disulfide	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Carbon tetrachloride	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Chlorobenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Chlorodibromomethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Chloroethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Chloroform	0.151		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Chloromethane	<0.327		0.327		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
2-Chlorotoluene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
4-Chlorotoluene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,2-Dibromo-3-Chloropropane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,2-Dibromoethane (EDB)	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Dibromomethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,2-Dichlorobenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,3-Dichlorobenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,4-Dichlorobenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Dichlorodifluoromethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,1-Dichloroethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,2-Dichloroethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,1-Dichloroethene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
cis-1,2-Dichloroethene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
trans-1,2-Dichloroethene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,2-Dichloropropane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,3-Dichloropropane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
2,2-Dichloropropane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,1-Dichloropropene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
cis-1,3-Dichloropropene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
trans-1,3-Dichloropropene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Ethylbenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Hexachlorobutadiene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Hexane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Isopropylbenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
p-Isopropyltoluene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Methylene Chloride	<0.327		0.327		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Methyl tert-butyl ether	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Naphthalene	<0.327		0.327		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
N-Propylbenzene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
Styrene	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1
1,1,1,2-Tetrachloroethane	<0.131		0.131		mg/Kg	*	09/20/17 06:15	09/21/17 01:12	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-03

Lab Sample ID: 310-114352-43

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.3

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	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
Tetrachloroethene	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
Toluene	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
1,2,3-Trichlorobenzene	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
1,2,4-Trichlorobenzene	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
1,1,1-Trichloroethane	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
1,1,2-Trichloroethane	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
Trichloroethene	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
Trichlorofluoromethane	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
1,2,3-Trichloropropane	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
1,2,4-Trimethylbenzene	0.164		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
1,3,5-Trimethylbenzene	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
Vinyl chloride	<0.131		0.131		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
Xylenes, Total	<0.196		0.196		mg/Kg	☼	09/20/17 06:15	09/21/17 01:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:15	09/21/17 01:12	1
Dibromofluoromethane (Surr)	100		75 - 115				09/20/17 06:15	09/21/17 01:12	1
Toluene-d8 (Surr)	93		78 - 118				09/20/17 06:15	09/21/17 01:12	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Acenaphthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Acenaphthylene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Anthracene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Benzo[a]anthracene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Benzo[a]pyrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Benzo[b]fluoranthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Benzo[g,h,i]perylene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Benzo[k]fluoranthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Chrysene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Dibenz(a,h)anthracene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Fluoranthene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Fluorene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Indeno[1,2,3-cd]pyrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Naphthalene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Phenanthrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Pyrene	<0.0116		0.0116		mg/Kg	☼	09/19/17 12:43	09/21/17 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		32 - 110				09/19/17 12:43	09/21/17 00:45	1
Nitrobenzene-d5 (Surr)	73		15 - 113				09/19/17 12:43	09/21/17 00:45	1
Terphenyl-d14 (Surr)	78		31 - 110				09/19/17 12:43	09/21/17 00:45	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<7.47		7.47		mg/Kg	☼	09/18/17 10:00	09/19/17 14:06	2
Barium	187		0.933		mg/Kg	☼	09/18/17 10:00	09/19/17 14:06	2
Cadmium	<1.87		1.87		mg/Kg	☼	09/18/17 10:00	09/19/17 14:06	2

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Client Sample ID: DUP-03

Lab Sample ID: 310-114352-43

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	28.6		1.87		mg/Kg	☼	09/18/17 10:00	09/19/17 14:06	2
Lead	11.6		9.33		mg/Kg	☼	09/18/17 10:00	09/19/17 14:06	2
Selenium	<14.0		14.0		mg/Kg	☼	09/18/17 10:00	09/19/17 14:06	2
Silver	<1.87		1.87		mg/Kg	☼	09/18/17 10:00	09/19/17 14:06	2

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0426		0.0194		mg/Kg	☼	09/19/17 13:03	09/20/17 12:43	1

DRAFT

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB1

Lab Sample ID: 310-114352-44

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.500		0.500		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Benzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Bromobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Bromochloromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Bromodichloromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Bromoform	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Bromomethane	<0.500		0.500		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
2-Butanone (MEK)	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
n-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
sec-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
tert-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Carbon disulfide	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Carbon tetrachloride	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Chlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Chlorodibromomethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Chloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Chloroform	0.128		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Chloromethane	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
2-Chlorotoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
4-Chlorotoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2-Dibromo-3-Chloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2-Dibromoethane (EDB)	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Dibromomethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,3-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,4-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Dichlorodifluoromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,1-Dichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2-Dichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,1-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
cis-1,2-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
trans-1,2-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,3-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
2,2-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,1-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
cis-1,3-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
trans-1,3-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Ethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Hexachlorobutadiene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Hexane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Isopropylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
p-Isopropyltoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Methylene Chloride	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Methyl tert-butyl ether	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Naphthalene	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
N-Propylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Styrene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,1,1,2-Tetrachloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB1

Lab Sample ID: 310-114352-44

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

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	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Tetrachloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Toluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2,3-Trichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2,4-Trichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,1,1-Trichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,1,2-Trichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Trichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Trichlorofluoromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2,3-Trichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,2,4-Trimethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
1,3,5-Trimethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Vinyl chloride	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Xylenes, Total	<0.150		0.150		mg/Kg		09/20/17 06:15	09/21/17 01:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:15	09/21/17 01:36	1
Dibromofluoromethane (Surr)	97		75 - 115				09/20/17 06:15	09/21/17 01:36	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:15	09/21/17 01:36	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB2

Lab Sample ID: 310-114352-45

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.500		0.500		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Benzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Bromobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Bromochloromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Bromodichloromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Bromoform	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Bromomethane	<0.500		0.500		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
2-Butanone (MEK)	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
n-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
sec-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
tert-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Carbon disulfide	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Carbon tetrachloride	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Chlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Chlorodibromomethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Chloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Chloroform	0.144		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Chloromethane	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
2-Chlorotoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
4-Chlorotoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2-Dibromo-3-Chloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2-Dibromoethane (EDB)	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Dibromomethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,3-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,4-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Dichlorodifluoromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,1-Dichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2-Dichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,1-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
cis-1,2-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
trans-1,2-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,3-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
2,2-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,1-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
cis-1,3-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
trans-1,3-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Ethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Hexachlorobutadiene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Hexane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Isopropylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
p-Isopropyltoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Methylene Chloride	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Methyl tert-butyl ether	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Naphthalene	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
N-Propylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Styrene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,1,1,2-Tetrachloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB2

Lab Sample ID: 310-114352-45

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

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	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Tetrachloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Toluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2,3-Trichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2,4-Trichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,1,1-Trichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,1,2-Trichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Trichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Trichlorofluoromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2,3-Trichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,2,4-Trimethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
1,3,5-Trimethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Vinyl chloride	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Xylenes, Total	<0.150		0.150		mg/Kg		09/20/17 06:15	09/21/17 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		79 - 119				09/20/17 06:15	09/21/17 02:01	1
Dibromofluoromethane (Surr)	99		75 - 115				09/20/17 06:15	09/21/17 02:01	1
Toluene-d8 (Surr)	95		78 - 118				09/20/17 06:15	09/21/17 02:01	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB3

Lab Sample ID: 310-114352-46

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.500		0.500		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Benzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Bromobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Bromochloromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Bromodichloromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Bromoform	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Bromomethane	<0.500		0.500		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
2-Butanone (MEK)	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
n-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
sec-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
tert-Butylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Carbon disulfide	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Carbon tetrachloride	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Chlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Chlorodibromomethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Chloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Chloroform	0.102		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Chloromethane	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
2-Chlorotoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
4-Chlorotoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2-Dibromo-3-Chloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2-Dibromoethane (EDB)	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Dibromomethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,3-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,4-Dichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Dichlorodifluoromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,1-Dichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2-Dichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,1-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
cis-1,2-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
trans-1,2-Dichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,3-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
2,2-Dichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,1-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
cis-1,3-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
trans-1,3-Dichloropropene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Ethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Hexachlorobutadiene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Hexane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Isopropylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
p-Isopropyltoluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Methylene Chloride	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Methyl tert-butyl ether	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Naphthalene	<0.250		0.250		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
N-Propylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Styrene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,1,1,2-Tetrachloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB3

Lab Sample ID: 310-114352-46

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

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	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Tetrachloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Toluene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2,3-Trichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2,4-Trichlorobenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,1,1-Trichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,1,2-Trichloroethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Trichloroethene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Trichlorofluoromethane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2,3-Trichloropropane	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,2,4-Trimethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
1,3,5-Trimethylbenzene	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Vinyl chloride	<0.100		0.100		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Xylenes, Total	<0.150		0.150		mg/Kg		09/20/17 06:15	09/21/17 02:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		79 - 119				09/20/17 06:15	09/21/17 02:25	1
Dibromofluoromethane (Surr)	97		75 - 115				09/20/17 06:15	09/21/17 02:25	1
Toluene-d8 (Surr)	94		78 - 118				09/20/17 06:15	09/21/17 02:25	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW17 (01)

Lab Sample ID: 310-114352-47

Date Collected: 09/11/17 15:30

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	18.5		10.0		ug/L			09/16/17 14:14	1
Benzene	<0.500		0.500		ug/L			09/16/17 14:14	1
Bromobenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
Bromochloromethane	<5.00		5.00		ug/L			09/16/17 14:14	1
Bromodichloromethane	<1.00		1.00		ug/L			09/16/17 14:14	1
Bromoform	<5.00		5.00		ug/L			09/16/17 14:14	1
Bromomethane	<4.00		4.00		ug/L			09/16/17 14:14	1
2-Butanone (MEK)	<10.0		10.0		ug/L			09/16/17 14:14	1
n-Butylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
sec-Butylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
tert-Butylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
Carbon disulfide	<1.00		1.00		ug/L			09/16/17 14:14	1
Carbon tetrachloride	<2.00		2.00		ug/L			09/16/17 14:14	1
Chlorobenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
Chlorodibromomethane	<5.00		5.00		ug/L			09/16/17 14:14	1
Chloroethane	<4.00		4.00		ug/L			09/16/17 14:14	1
Chloroform	<1.00		1.00		ug/L			09/16/17 14:14	1
Chloromethane	<3.00		3.00		ug/L			09/16/17 14:14	1
2-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 14:14	1
4-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 14:14	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			09/16/17 14:14	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			09/16/17 14:14	1
Dibromomethane	<1.00		1.00		ug/L			09/16/17 14:14	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			09/16/17 14:14	1
1,1-Dichloroethane	<1.00		1.00		ug/L			09/16/17 14:14	1
1,2-Dichloroethane	<1.00		1.00		ug/L			09/16/17 14:14	1
1,1-Dichloroethene	<2.00		2.00		ug/L			09/16/17 14:14	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 14:14	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 14:14	1
1,2-Dichloropropane	<1.00		1.00		ug/L			09/16/17 14:14	1
1,3-Dichloropropane	<1.00		1.00		ug/L			09/16/17 14:14	1
2,2-Dichloropropane	<4.00		4.00		ug/L			09/16/17 14:14	1
1,1-Dichloropropene	<1.00		1.00		ug/L			09/16/17 14:14	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 14:14	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 14:14	1
Ethylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
Hexachlorobutadiene	<5.00		5.00		ug/L			09/16/17 14:14	1
Hexane	<1.00		1.00		ug/L			09/16/17 14:14	1
Isopropylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
p-Isopropyltoluene	<1.00		1.00		ug/L			09/16/17 14:14	1
Methylene Chloride	<5.00		5.00		ug/L			09/16/17 14:14	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			09/16/17 14:14	1
Naphthalene	<5.00		5.00		ug/L			09/16/17 14:14	1
N-Propylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
Styrene	<1.00		1.00		ug/L			09/16/17 14:14	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 14:14	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW17 (01)

Lab Sample ID: 310-114352-47

Date Collected: 09/11/17 15:30

Matrix: Ground Water

Date Received: 09/15/17 09:15

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	<1.00		1.00		ug/L			09/16/17 14:14	1
Tetrachloroethene	<1.00		1.00		ug/L			09/16/17 14:14	1
Toluene	<1.00		1.00		ug/L			09/16/17 14:14	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 14:14	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 14:14	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			09/16/17 14:14	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			09/16/17 14:14	1
Trichloroethene	<1.00		1.00		ug/L			09/16/17 14:14	1
Trichlorofluoromethane	<4.00		4.00		ug/L			09/16/17 14:14	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			09/16/17 14:14	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 14:14	1
Vinyl chloride	<1.00		1.00		ug/L			09/16/17 14:14	1
Xylenes, Total	<3.00		3.00		ug/L			09/16/17 14:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		82 - 122					09/16/17 14:14	1
Dibromofluoromethane (Surr)	103		79 - 119					09/16/17 14:14	1
Toluene-d8 (Surr)	103		77 - 117					09/16/17 14:14	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 01:30	1
Acenaphthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Acenaphthylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Benzo[a]anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Benzo[a]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Benzo[b]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Benzo[g,h,i]perylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Benzo[k]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Chrysene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Dibenz(a,h)anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Fluorene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Indeno[1,2,3-cd]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Naphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 01:30	1
Phenanthrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 01:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	46		14 - 110				09/15/17 18:23	09/20/17 01:30	1
Nitrobenzene-d5 (Surr)	62		10 - 114				09/15/17 18:23	09/20/17 01:30	1
Terphenyl-d14 (Surr)	56		24 - 110				09/15/17 18:23	09/20/17 01:30	1

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW18 (01)

Lab Sample ID: 310-114352-48

Date Collected: 09/11/17 17:30

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	17.8		10.0		ug/L			09/16/17 14:38	1
Benzene	<0.500		0.500		ug/L			09/16/17 14:38	1
Bromobenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
Bromochloromethane	<5.00		5.00		ug/L			09/16/17 14:38	1
Bromodichloromethane	<1.00		1.00		ug/L			09/16/17 14:38	1
Bromoform	<5.00		5.00		ug/L			09/16/17 14:38	1
Bromomethane	<4.00		4.00		ug/L			09/16/17 14:38	1
2-Butanone (MEK)	<10.0		10.0		ug/L			09/16/17 14:38	1
n-Butylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
sec-Butylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
tert-Butylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
Carbon disulfide	<1.00		1.00		ug/L			09/16/17 14:38	1
Carbon tetrachloride	<2.00		2.00		ug/L			09/16/17 14:38	1
Chlorobenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
Chlorodibromomethane	<5.00		5.00		ug/L			09/16/17 14:38	1
Chloroethane	<4.00		4.00		ug/L			09/16/17 14:38	1
Chloroform	<1.00		1.00		ug/L			09/16/17 14:38	1
Chloromethane	<3.00		3.00		ug/L			09/16/17 14:38	1
2-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 14:38	1
4-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 14:38	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			09/16/17 14:38	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			09/16/17 14:38	1
Dibromomethane	<1.00		1.00		ug/L			09/16/17 14:38	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			09/16/17 14:38	1
1,1-Dichloroethane	<1.00		1.00		ug/L			09/16/17 14:38	1
1,2-Dichloroethane	<1.00		1.00		ug/L			09/16/17 14:38	1
1,1-Dichloroethene	<2.00		2.00		ug/L			09/16/17 14:38	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 14:38	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 14:38	1
1,2-Dichloropropane	<1.00		1.00		ug/L			09/16/17 14:38	1
1,3-Dichloropropane	<1.00		1.00		ug/L			09/16/17 14:38	1
2,2-Dichloropropane	<4.00		4.00		ug/L			09/16/17 14:38	1
1,1-Dichloropropene	<1.00		1.00		ug/L			09/16/17 14:38	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 14:38	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 14:38	1
Ethylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
Hexachlorobutadiene	<5.00		5.00		ug/L			09/16/17 14:38	1
Hexane	<1.00		1.00		ug/L			09/16/17 14:38	1
Isopropylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
p-Isopropyltoluene	<1.00		1.00		ug/L			09/16/17 14:38	1
Methylene Chloride	<5.00		5.00		ug/L			09/16/17 14:38	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			09/16/17 14:38	1
Naphthalene	<5.00		5.00		ug/L			09/16/17 14:38	1
N-Propylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
Styrene	<1.00		1.00		ug/L			09/16/17 14:38	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 14:38	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW18 (01)

Lab Sample ID: 310-114352-48

Date Collected: 09/11/17 17:30

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 14:38	1
Tetrachloroethene	<1.00		1.00		ug/L			09/16/17 14:38	1
Toluene	<1.00		1.00		ug/L			09/16/17 14:38	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 14:38	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 14:38	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			09/16/17 14:38	1
1,1,1,2-Trichloroethane	<1.00		1.00		ug/L			09/16/17 14:38	1
Trichloroethene	<1.00		1.00		ug/L			09/16/17 14:38	1
Trichlorofluoromethane	<4.00		4.00		ug/L			09/16/17 14:38	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			09/16/17 14:38	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 14:38	1
Vinyl chloride	<1.00		1.00		ug/L			09/16/17 14:38	1
Xylenes, Total	<3.00		3.00		ug/L			09/16/17 14:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		82 - 122					09/16/17 14:38	1
Dibromofluoromethane (Surr)	104		79 - 119					09/16/17 14:38	1
Toluene-d8 (Surr)	100		77 - 117					09/16/17 14:38	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 02:02	1
Acenaphthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Acenaphthylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Benzo[a]anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Benzo[a]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Benzo[b]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Benzo[g,h,i]perylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Benzo[k]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Chrysene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Dibenz(a,h)anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Fluorene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Indeno[1,2,3-cd]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Naphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 02:02	1
Phenanthrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	65		14 - 110				09/15/17 18:23	09/20/17 02:02	1
Nitrobenzene-d5 (Surr)	81		10 - 114				09/15/17 18:23	09/20/17 02:02	1
Terphenyl-d14 (Surr)	76		24 - 110				09/15/17 18:23	09/20/17 02:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0422		0.00200		mg/L		09/18/17 07:52	09/26/17 15:16	1
Barium	0.833		0.00200		mg/L		09/18/17 07:52	09/25/17 21:40	1
Cadmium	<0.000500		0.000500		mg/L		09/18/17 07:52	09/25/17 21:40	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW18 (01)

Lab Sample ID: 310-114352-48

Date Collected: 09/11/17 17:30

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:40	1
Lead	0.00105		0.000500		mg/L		09/18/17 07:52	09/25/17 21:40	1
Selenium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:40	1
Silver	<0.00100		0.00100		mg/L		09/18/17 07:52	09/25/17 21:40	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		09/18/17 12:48	09/19/17 13:12	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW15 (01)

Lab Sample ID: 310-114352-49

Date Collected: 09/12/17 11:20

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	28.4		10.0		ug/L			09/16/17 15:01	1
Benzene	<0.500		0.500		ug/L			09/16/17 15:01	1
Bromobenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
Bromochloromethane	<5.00		5.00		ug/L			09/16/17 15:01	1
Bromodichloromethane	<1.00		1.00		ug/L			09/16/17 15:01	1
Bromoform	<5.00		5.00		ug/L			09/16/17 15:01	1
Bromomethane	<4.00		4.00		ug/L			09/16/17 15:01	1
2-Butanone (MEK)	<10.0		10.0		ug/L			09/16/17 15:01	1
n-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
sec-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
tert-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
Carbon disulfide	<1.00		1.00		ug/L			09/16/17 15:01	1
Carbon tetrachloride	<2.00		2.00		ug/L			09/16/17 15:01	1
Chlorobenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
Chlorodibromomethane	<5.00		5.00		ug/L			09/16/17 15:01	1
Chloroethane	<4.00		4.00		ug/L			09/16/17 15:01	1
Chloroform	<1.00		1.00		ug/L			09/16/17 15:01	1
Chloromethane	<3.00		3.00		ug/L			09/16/17 15:01	1
2-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 15:01	1
4-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 15:01	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			09/16/17 15:01	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			09/16/17 15:01	1
Dibromomethane	<1.00		1.00		ug/L			09/16/17 15:01	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			09/16/17 15:01	1
1,1-Dichloroethane	<1.00		1.00		ug/L			09/16/17 15:01	1
1,2-Dichloroethane	<1.00		1.00		ug/L			09/16/17 15:01	1
1,1-Dichloroethene	<2.00		2.00		ug/L			09/16/17 15:01	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 15:01	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 15:01	1
1,2-Dichloropropane	<1.00		1.00		ug/L			09/16/17 15:01	1
1,3-Dichloropropane	<1.00		1.00		ug/L			09/16/17 15:01	1
2,2-Dichloropropane	<4.00		4.00		ug/L			09/16/17 15:01	1
1,1-Dichloropropene	<1.00		1.00		ug/L			09/16/17 15:01	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 15:01	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 15:01	1
Ethylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
Hexachlorobutadiene	<5.00		5.00		ug/L			09/16/17 15:01	1
Hexane	<1.00		1.00		ug/L			09/16/17 15:01	1
Isopropylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
p-Isopropyltoluene	<1.00		1.00		ug/L			09/16/17 15:01	1
Methylene Chloride	<5.00		5.00		ug/L			09/16/17 15:01	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			09/16/17 15:01	1
Naphthalene	<5.00		5.00		ug/L			09/16/17 15:01	1
N-Propylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
Styrene	<1.00		1.00		ug/L			09/16/17 15:01	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 15:01	1

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TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW15 (01)

Lab Sample ID: 310-114352-49

Date Collected: 09/12/17 11:20

Matrix: Ground Water

Date Received: 09/15/17 09:15

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	<1.00		1.00		ug/L			09/16/17 15:01	1
Tetrachloroethene	<1.00		1.00		ug/L			09/16/17 15:01	1
Toluene	<1.00		1.00		ug/L			09/16/17 15:01	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 15:01	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 15:01	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			09/16/17 15:01	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			09/16/17 15:01	1
Trichloroethene	<1.00		1.00		ug/L			09/16/17 15:01	1
Trichlorofluoromethane	<4.00		4.00		ug/L			09/16/17 15:01	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			09/16/17 15:01	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 15:01	1
Vinyl chloride	<1.00		1.00		ug/L			09/16/17 15:01	1
Xylenes, Total	<3.00		3.00		ug/L			09/16/17 15:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		82 - 122					09/16/17 15:01	1
Dibromofluoromethane (Surr)	104		79 - 119					09/16/17 15:01	1
Toluene-d8 (Surr)	100		77 - 117					09/16/17 15:01	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 02:33	1
Acenaphthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Acenaphthylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Benzo[a]anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Benzo[a]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Benzo[b]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Benzo[g,h,i]perylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Benzo[k]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Chrysene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Dibenz(a,h)anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Fluorene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Indeno[1,2,3-cd]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Naphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 02:33	1
Phenanthrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 02:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	53		14 - 110				09/15/17 18:23	09/20/17 02:33	1
Nitrobenzene-d5 (Surr)	64		10 - 114				09/15/17 18:23	09/20/17 02:33	1
Terphenyl-d14 (Surr)	59		24 - 110				09/15/17 18:23	09/20/17 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0123		0.00200		mg/L		09/18/17 07:52	09/26/17 15:22	1
Barium	0.649		0.00200		mg/L		09/18/17 07:52	09/25/17 21:55	1
Cadmium	<0.000500		0.000500		mg/L		09/18/17 07:52	09/25/17 21:55	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Client Sample ID: TW15 (01)

Lab Sample ID: 310-114352-49

Date Collected: 09/12/17 11:20

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:55	1
Lead	0.00167		0.000500		mg/L		09/18/17 07:52	09/25/17 21:55	1
Selenium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:55	1
Silver	<0.00100		0.00100		mg/L		09/18/17 07:52	09/25/17 21:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		09/18/17 12:48	09/19/17 13:13	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW9 (01)

Lab Sample ID: 310-114352-50

Date Collected: 09/13/17 10:15

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			09/16/17 15:25	1
Benzene	<0.500		0.500		ug/L			09/16/17 15:25	1
Bromobenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
Bromochloromethane	<5.00		5.00		ug/L			09/16/17 15:25	1
Bromodichloromethane	<1.00		1.00		ug/L			09/16/17 15:25	1
Bromoform	<5.00		5.00		ug/L			09/16/17 15:25	1
Bromomethane	<4.00		4.00		ug/L			09/16/17 15:25	1
2-Butanone (MEK)	<10.0		10.0		ug/L			09/16/17 15:25	1
n-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
sec-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
tert-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
Carbon disulfide	<1.00		1.00		ug/L			09/16/17 15:25	1
Carbon tetrachloride	<2.00		2.00		ug/L			09/16/17 15:25	1
Chlorobenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
Chlorodibromomethane	<5.00		5.00		ug/L			09/16/17 15:25	1
Chloroethane	<4.00		4.00		ug/L			09/16/17 15:25	1
Chloroform	<1.00		1.00		ug/L			09/16/17 15:25	1
Chloromethane	<3.00		3.00		ug/L			09/16/17 15:25	1
2-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 15:25	1
4-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 15:25	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			09/16/17 15:25	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			09/16/17 15:25	1
Dibromomethane	<1.00		1.00		ug/L			09/16/17 15:25	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			09/16/17 15:25	1
1,1-Dichloroethane	<1.00		1.00		ug/L			09/16/17 15:25	1
1,2-Dichloroethane	<1.00		1.00		ug/L			09/16/17 15:25	1
1,1-Dichloroethene	<2.00		2.00		ug/L			09/16/17 15:25	1
cis-1,2-Dichloroethene	3.07		1.00		ug/L			09/16/17 15:25	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 15:25	1
1,2-Dichloropropane	<1.00		1.00		ug/L			09/16/17 15:25	1
1,3-Dichloropropane	<1.00		1.00		ug/L			09/16/17 15:25	1
2,2-Dichloropropane	<4.00		4.00		ug/L			09/16/17 15:25	1
1,1-Dichloropropene	<1.00		1.00		ug/L			09/16/17 15:25	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 15:25	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 15:25	1
Ethylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
Hexachlorobutadiene	<5.00		5.00		ug/L			09/16/17 15:25	1
Hexane	<1.00		1.00		ug/L			09/16/17 15:25	1
Isopropylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
p-Isopropyltoluene	<1.00		1.00		ug/L			09/16/17 15:25	1
Methylene Chloride	<5.00		5.00		ug/L			09/16/17 15:25	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			09/16/17 15:25	1
Naphthalene	<5.00		5.00		ug/L			09/16/17 15:25	1
N-Propylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
Styrene	<1.00		1.00		ug/L			09/16/17 15:25	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 15:25	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW9 (01)

Lab Sample ID: 310-114352-50

Date Collected: 09/13/17 10:15

Matrix: Ground Water

Date Received: 09/15/17 09:15

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	<1.00		1.00		ug/L			09/16/17 15:25	1
Tetrachloroethene	<1.00		1.00		ug/L			09/16/17 15:25	1
Toluene	<1.00		1.00		ug/L			09/16/17 15:25	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 15:25	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 15:25	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			09/16/17 15:25	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			09/16/17 15:25	1
Trichloroethene	<1.00		1.00		ug/L			09/16/17 15:25	1
Trichlorofluoromethane	<4.00		4.00		ug/L			09/16/17 15:25	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			09/16/17 15:25	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 15:25	1
Vinyl chloride	<1.00		1.00		ug/L			09/16/17 15:25	1
Xylenes, Total	<3.00		3.00		ug/L			09/16/17 15:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		82 - 122					09/16/17 15:25	1
Dibromofluoromethane (Surr)	103		79 - 119					09/16/17 15:25	1
Toluene-d8 (Surr)	101		77 - 117					09/16/17 15:25	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 10:24	1
Acenaphthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Acenaphthylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Benzo[a]anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Benzo[a]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Benzo[b]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Benzo[g,h,i]perylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Benzo[k]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Chrysene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Dibenz(a,h)anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Fluorene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Indeno[1,2,3-cd]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Naphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 10:24	1
Phenanthrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:24	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	73		14 - 110				09/15/17 18:23	09/20/17 10:24	1
Nitrobenzene-d5 (Surr)	82		10 - 114				09/15/17 18:23	09/20/17 10:24	1
Terphenyl-d14 (Surr)	85		24 - 110				09/15/17 18:23	09/20/17 10:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00308		0.00200		mg/L		09/18/17 07:52	09/26/17 15:34	1
Barium	0.0979		0.00200		mg/L		09/18/17 07:52	09/25/17 21:58	1
Cadmium	<0.000500		0.000500		mg/L		09/18/17 07:52	09/25/17 21:58	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW9 (01)

Lab Sample ID: 310-114352-50

Date Collected: 09/13/17 10:15

Matrix: Ground Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:58	1
Lead	0.000565		0.000500		mg/L		09/18/17 07:52	09/25/17 21:58	1
Selenium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:58	1
Silver	<0.00100		0.00100		mg/L		09/18/17 07:52	09/25/17 21:58	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		09/18/17 12:48	09/19/17 13:15	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-02

Lab Sample ID: 310-114352-51

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	37.2		10.0		ug/L			09/16/17 15:49	1
Benzene	<0.500		0.500		ug/L			09/16/17 15:49	1
Bromobenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
Bromochloromethane	<5.00		5.00		ug/L			09/16/17 15:49	1
Bromodichloromethane	<1.00		1.00		ug/L			09/16/17 15:49	1
Bromoform	<5.00		5.00		ug/L			09/16/17 15:49	1
Bromomethane	<4.00		4.00		ug/L			09/16/17 15:49	1
2-Butanone (MEK)	<10.0		10.0		ug/L			09/16/17 15:49	1
n-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
sec-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
tert-Butylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
Carbon disulfide	<1.00		1.00		ug/L			09/16/17 15:49	1
Carbon tetrachloride	<2.00		2.00		ug/L			09/16/17 15:49	1
Chlorobenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
Chlorodibromomethane	<5.00		5.00		ug/L			09/16/17 15:49	1
Chloroethane	<4.00		4.00		ug/L			09/16/17 15:49	1
Chloroform	<1.00		1.00		ug/L			09/16/17 15:49	1
Chloromethane	<3.00		3.00		ug/L			09/16/17 15:49	1
2-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 15:49	1
4-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 15:49	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			09/16/17 15:49	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			09/16/17 15:49	1
Dibromomethane	<1.00		1.00		ug/L			09/16/17 15:49	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			09/16/17 15:49	1
1,1-Dichloroethane	<1.00		1.00		ug/L			09/16/17 15:49	1
1,2-Dichloroethane	<1.00		1.00		ug/L			09/16/17 15:49	1
1,1-Dichloroethene	<2.00		2.00		ug/L			09/16/17 15:49	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 15:49	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 15:49	1
1,2-Dichloropropane	<1.00		1.00		ug/L			09/16/17 15:49	1
1,3-Dichloropropane	<1.00		1.00		ug/L			09/16/17 15:49	1
2,2-Dichloropropane	<4.00		4.00		ug/L			09/16/17 15:49	1
1,1-Dichloropropene	<1.00		1.00		ug/L			09/16/17 15:49	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 15:49	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 15:49	1
Ethylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
Hexachlorobutadiene	<5.00		5.00		ug/L			09/16/17 15:49	1
Hexane	<1.00		1.00		ug/L			09/16/17 15:49	1
Isopropylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
p-Isopropyltoluene	<1.00		1.00		ug/L			09/16/17 15:49	1
Methylene Chloride	<5.00		5.00		ug/L			09/16/17 15:49	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			09/16/17 15:49	1
Naphthalene	<5.00		5.00		ug/L			09/16/17 15:49	1
N-Propylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
Styrene	<1.00		1.00		ug/L			09/16/17 15:49	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 15:49	1

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TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-02

Lab Sample ID: 310-114352-51

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 15:49	1
Tetrachloroethene	<1.00		1.00		ug/L			09/16/17 15:49	1
Toluene	<1.00		1.00		ug/L			09/16/17 15:49	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 15:49	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 15:49	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			09/16/17 15:49	1
1,1,1,2-Trichloroethane	<1.00		1.00		ug/L			09/16/17 15:49	1
Trichloroethene	<1.00		1.00		ug/L			09/16/17 15:49	1
Trichlorofluoromethane	<4.00		4.00		ug/L			09/16/17 15:49	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			09/16/17 15:49	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 15:49	1
Vinyl chloride	<1.00		1.00		ug/L			09/16/17 15:49	1
Xylenes, Total	<3.00		3.00		ug/L			09/16/17 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		82 - 122					09/16/17 15:49	1
Dibromofluoromethane (Surr)	101		79 - 119					09/16/17 15:49	1
Toluene-d8 (Surr)	101		77 - 117					09/16/17 15:49	1

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 10:56	1
Acenaphthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Acenaphthylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Benzo[a]anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Benzo[a]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Benzo[b]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Benzo[g,h,i]perylene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Benzo[k]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Chrysene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Dibenz(a,h)anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Fluorene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Indeno[1,2,3-cd]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Naphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/20/17 10:56	1
Phenanthrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/20/17 10:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	42		14 - 110				09/15/17 18:23	09/20/17 10:56	1
Nitrobenzene-d5 (Surr)	53		10 - 114				09/15/17 18:23	09/20/17 10:56	1
Terphenyl-d14 (Surr)	42		24 - 110				09/15/17 18:23	09/20/17 10:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0121		0.00200		mg/L		09/18/17 07:52	09/26/17 15:37	1
Barium	0.621		0.00200		mg/L		09/18/17 07:52	09/25/17 22:02	1
Cadmium	<0.000500		0.000500		mg/L		09/18/17 07:52	09/25/17 22:02	1

TestAmerica Cedar Falls

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-02

Lab Sample ID: 310-114352-51

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 22:02	1
Lead	0.00101		0.000500		mg/L		09/18/17 07:52	09/25/17 22:02	1
Selenium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 22:02	1
Silver	<0.00100		0.00100		mg/L		09/18/17 07:52	09/25/17 22:02	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		09/18/17 12:48	09/19/17 13:17	1

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Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB4

Lab Sample ID: 310-114352-52

Date Collected: 09/13/17 00:00

Matrix: Water

Date Received: 09/15/17 09:15

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			09/16/17 12:16	1
Benzene	<0.500		0.500		ug/L			09/16/17 12:16	1
Bromobenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
Bromochloromethane	<5.00		5.00		ug/L			09/16/17 12:16	1
Bromodichloromethane	<1.00		1.00		ug/L			09/16/17 12:16	1
Bromoform	<5.00		5.00		ug/L			09/16/17 12:16	1
Bromomethane	<4.00		4.00		ug/L			09/16/17 12:16	1
2-Butanone (MEK)	<10.0		10.0		ug/L			09/16/17 12:16	1
n-Butylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
sec-Butylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
tert-Butylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
Carbon disulfide	<1.00		1.00		ug/L			09/16/17 12:16	1
Carbon tetrachloride	<2.00		2.00		ug/L			09/16/17 12:16	1
Chlorobenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
Chlorodibromomethane	<5.00		5.00		ug/L			09/16/17 12:16	1
Chloroethane	<4.00		4.00		ug/L			09/16/17 12:16	1
Chloroform	<1.00		1.00		ug/L			09/16/17 12:16	1
Chloromethane	<3.00		3.00		ug/L			09/16/17 12:16	1
2-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 12:16	1
4-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 12:16	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			09/16/17 12:16	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			09/16/17 12:16	1
Dibromomethane	<1.00		1.00		ug/L			09/16/17 12:16	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			09/16/17 12:16	1
1,1-Dichloroethane	<1.00		1.00		ug/L			09/16/17 12:16	1
1,2-Dichloroethane	<1.00		1.00		ug/L			09/16/17 12:16	1
1,1-Dichloroethene	<2.00		2.00		ug/L			09/16/17 12:16	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 12:16	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 12:16	1
1,2-Dichloropropane	<1.00		1.00		ug/L			09/16/17 12:16	1
1,3-Dichloropropane	<1.00		1.00		ug/L			09/16/17 12:16	1
2,2-Dichloropropane	<4.00		4.00		ug/L			09/16/17 12:16	1
1,1-Dichloropropene	<1.00		1.00		ug/L			09/16/17 12:16	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 12:16	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 12:16	1
Ethylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
Hexachlorobutadiene	<5.00		5.00		ug/L			09/16/17 12:16	1
Hexane	<1.00		1.00		ug/L			09/16/17 12:16	1
Isopropylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
p-Isopropyltoluene	<1.00		1.00		ug/L			09/16/17 12:16	1
Methylene Chloride	<5.00		5.00		ug/L			09/16/17 12:16	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			09/16/17 12:16	1
Naphthalene	<5.00		5.00		ug/L			09/16/17 12:16	1
N-Propylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
Styrene	<1.00		1.00		ug/L			09/16/17 12:16	1
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 12:16	1

DRAFT

Client Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB4

Lab Sample ID: 310-114352-52

Date Collected: 09/13/17 00:00

Matrix: Water

Date Received: 09/15/17 09:15

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	<1.00		1.00		ug/L			09/16/17 12:16	1
Tetrachloroethene	<1.00		1.00		ug/L			09/16/17 12:16	1
Toluene	<1.00		1.00		ug/L			09/16/17 12:16	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 12:16	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 12:16	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			09/16/17 12:16	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			09/16/17 12:16	1
Trichloroethene	<1.00		1.00		ug/L			09/16/17 12:16	1
Trichlorofluoromethane	<4.00		4.00		ug/L			09/16/17 12:16	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			09/16/17 12:16	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 12:16	1
Vinyl chloride	<1.00		1.00		ug/L			09/16/17 12:16	1
Xylenes, Total	<3.00		3.00		ug/L			09/16/17 12:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		82 - 122					09/16/17 12:16	1
Dibromofluoromethane (Surr)	102		79 - 119					09/16/17 12:16	1
Toluene-d8 (Surr)	102		77 - 117					09/16/17 12:16	1

DRAFT

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Definitions/Glossary

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Qualifiers

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit

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: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (82-122)	DBFM (79-119)	TOL (77-117)
310-114352-47	TW17 (01)	101	103	103
310-114352-48	TW18 (01)	104	104	100
310-114352-49	TW15 (01)	105	104	100
310-114352-50	TW9 (01)	107	103	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

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 (79-119)	DBFM (75-115)	TOL (78-118)
310-114352-1	GP17 (0-2')	101	99	98
310-114352-2	GP17 (15-16')	102	97	99
310-114352-3	GP18 (0-2')	100	99	96
310-114352-4	GP18 (12-14')	100	98	97
310-114352-5	GP12 (0-2')	99	100	99
310-114352-6	GP12 (16-17')	100	97	97
310-114352-7	GP16 (0-2')	103	97	99
310-114352-8	GP16 (12-14')	101	98	98
310-114352-9	GP14 (0-2')	103	98	97
310-114352-10	GP14 (17-19')	102	97	97
310-114352-11	GP13 (0-2')	103	99	97
310-114352-12	GP13 (13-15')	102	97	98
310-114352-12 MS	GP13 (13-15')	102	99	97
310-114352-12 MSD	GP13 (13-15')	101	101	98
310-114352-13	GP15 (2-3')	100	96	98
310-114352-14	GP15 (17-19')	99	98	96
310-114352-15	GP2 (1-2')	103	99	99
310-114352-16	GP2 (18-20')	101	97	97
310-114352-17	GP7 (0-2')	101	99	97
310-114352-18	GP7 (14-16)	103	98	96
310-114352-18 MS	GP7 (14-16)	103	98	95
310-114352-18 MSD	GP7 (14-16)	103	101	95
310-114352-19	GP6 (0-2')	102	98	94
310-114352-20	GP6 (5-6')	103	99	96
310-114352-21	GP20 (0-2')	103	97	96
310-114352-22	GP20(15-17')	104	98	95
310-114352-23	GP19 (0-2')	103	99	96
310-114352-24	GP19 (6.5-7')	102	99	97
310-114352-25	GP19 (17-19')	102	98	96
310-114352-26	GP10 (1-2')	102	97	96
310-114352-27	GP10 (7-9')	103	99	96
310-114352-28	GP9 (0-2')	102	98	95
310-114352-29	GP9 (7-8')	102	99	95

Surrogate Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (79-119)	DBFM (75-115)	TOL (78-118)
310-114352-30	GP11 (1-2')	101	100	96
310-114352-31	GP11 (12-14')	102	96	95
310-114352-32	GP3 (2-4')	101	98	93
310-114352-32 MS	GP3 (2-4')	103	101	95
310-114352-32 MSD	GP3 (2-4')	101	102	97
310-114352-33	GP3 (7-9')	101	98	94
310-114352-34	GP1 (0-2')	102	97	95
310-114352-35	GP1 (12-14')	103	98	97
310-114352-36	GP4 (2-3')	104	99	96
310-114352-37	GP4 (7-9')	102	97	95
310-114352-38	GP5 (0-2')	101	99	95
310-114352-39	GP5 (7-9')	101	98	95
310-114352-40	GP8 (0-2')	99	99	96
310-114352-41	GP8 (5-7')	101	96	95
310-114352-42	DUP-01	102	97	94
310-114352-43	DUP-03	101	100	93

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 (79-119)	DBFM (75-115)	TOL (78-118)
310-114352-44	TB1	102	97	95
310-114352-45	TB2	101	99	95
310-114352-46	TB3	102	97	94
LCS 310-179055/2-A	Lab Control Sample	100	99	98
LCS 310-179058/2-A	Lab Control Sample	103	103	97
LCS 310-179373/2-A	Lab Control Sample	103	99	94
LCS 310-179376/2-A	Lab Control Sample	103	98	96
MB 310-179055/1-A	Method Blank	100	97	99
MB 310-179058/1-A	Method Blank	100	98	97
MB 310-179373/1-A	Method Blank	98	100	95
MB 310-179376/1-A	Method Blank	104	97	95

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Surrogate Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (82-122)	DBFM (79-119)	TOL (77-117)
310-114352-51	DUP-02	105	101	101
310-114352-52	TB4	104	102	102
LCS 310-178884/6	Lab Control Sample	99	99	104
LCS 310-178884/7	Lab Control Sample	104	101	102
MB 310-178884/8	Method Blank	106	102	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Matrix: Ground Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (14-110)	NBZ (10-114)	TPH (24-110)
310-114352-47	TW17 (01)	46	62	56
310-114352-48	TW18 (01)	65	81	76
310-114352-49	TW15 (01)	53	64	59
310-114352-50	TW9 (01)	73	82	85

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 TPH = Terphenyl-d14 (Surr)

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (32-110)	NBZ (15-113)	TPH (31-110)
310-114352-1	GP17 (0-2')	90	90	87
310-114352-2	GP17 (15-16')	69	75	61
310-114352-3	GP18 (0-2')	80	70	90
310-114352-4	GP18 (12-14')	71	87	58
310-114352-5	GP12 (0-2')	60	67	52
310-114352-6	GP12 (16-17')	54	70	50
310-114352-7	GP16 (0-2')	63	57	56
310-114352-8	GP16 (12-14')	71	71	67
310-114352-9	GP14 (0-2')	45	43	56
310-114352-10	GP14 (17-19')	57	69	49
310-114352-11	GP13 (0-2')	73	69	80
310-114352-12	GP13 (13-15')	64	78	60
310-114352-12 MS	GP13 (13-15')	61	69	60
310-114352-12 MSD	GP13 (13-15')	70	71	71
310-114352-13	GP15 (2-3')	76	80	70
310-114352-14	GP15 (17-19')	72	80	66
310-114352-15	GP2 (1-2')	71	61	85

TestAmerica Cedar Falls

Surrogate Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (32-110)	NBZ (15-113)	TPH (31-110)
310-114352-16	GP2 (18-20')	70	84	58
310-114352-17	GP7 (0-2')	86	90	90
310-114352-18	GP7 (14-16)	70	78	62
310-114352-18 MS	GP7 (14-16)	59	66	61
310-114352-18 MSD	GP7 (14-16)	67	81	57
310-114352-19	GP6 (0-2')	98	103	105
310-114352-20	GP6 (5-6')	93	69	85
310-114352-21	GP20 (0-2')	77	66	83
310-114352-22	GP20(15-17')	56	66	76
310-114352-23	GP19 (0-2')	73	116 X	80
310-114352-24	GP19 (6.5-7')	72	71	61
310-114352-25	GP19 (17-19')	70	84	73
310-114352-26	GP10 (1-2')	80	86	84
310-114352-27	GP10 (7-9')	55	70	52
310-114352-28	GP9 (0-2')	71	65	67
310-114352-28 MS	GP9 (0-2')	57	54	57
310-114352-28 MSD	GP9 (0-2')	74	71	73
310-114352-29	GP9 (7-8')	47	54	44
310-114352-30	GP11 (1-2')	81	86	76
310-114352-31	GP11 (12-14')	54	68	48
310-114352-32	GP3 (2-4')	62	71	68
310-114352-33	GP3 (7-9')	56	65	52
310-114352-34	GP1 (0-2')	52	56	59
310-114352-35	GP1 (12-14')	48	53	41
310-114352-36	GP4 (2-3')	58	73	58
310-114352-37	GP4 (7-9')	46	58	42
310-114352-38	GP5 (0-2')	80	81	79
310-114352-39	GP5 (7-9')	67	75	68
310-114352-40	GP8 (0-2')	70	68	82
310-114352-41	GP8 (5-7')	60	74	54
310-114352-42	DUP-01	54	66	60
310-114352-43	DUP-03	65	73	78

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 TPH = Terphenyl-d14 (Surr)

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (32-110)	NBZ (15-113)	TPH (31-110)
LCS 310-179017/2-A	Lab Control Sample	78	83	84
LCS 310-179159/2-A	Lab Control Sample	84	86	89
LCS 310-179318/2-A	Lab Control Sample	69	67	68
MB 310-179017/1-A	Method Blank	80	85	89
MB 310-179159/1-A	Method Blank	76	73	87

TestAmerica Cedar Falls

Surrogate Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (32-110)	NBZ (15-113)	TPH (31-110)
MB 310-179318/1-A	Method Blank	61	58	78

Surrogate Legend
 FBP = 2-Fluorobiphenyl (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 TPH = Terphenyl-d14 (Surr)

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (14-110)	NBZ (10-114)	TPH (24-110)
310-114352-51	DUP-02	42	53	42
LCS 310-179023/2-A	Lab Control Sample	61	69	72
LCS 310-179023/3-A	Lab Control Sample Dup	61	75	80
MB 310-179023/1-A	Method Blank	58	74	64

Surrogate Legend
 FBP = 2-Fluorobiphenyl (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 TPH = Terphenyl-d14 (Surr)

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

Matrix: Soil

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (10-110)	TCX1 (10-110)
310-114352-38	GP5 (0-2')	49	50
310-114352-39	GP5 (7-9')	50	56

Surrogate Legend
 DCB = DCB Decachlorobiphenyl (Surr)
 TCX = Tetrachloro-m-xylene

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCB1 (10-110)	TCX1 (10-110)
LCS 310-179010/2-A	Lab Control Sample	66	62
MB 310-179010/1-A	Method Blank	76	72

Surrogate Legend
 DCB = DCB Decachlorobiphenyl (Surr)
 TCX = Tetrachloro-m-xylene

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-178884/8

Matrix: Water

Analysis Batch: 178884

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<10.0		10.0		ug/L			09/16/17 11:53	1
Benzene	<0.500		0.500		ug/L			09/16/17 11:53	1
Bromobenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
Bromochloromethane	<5.00		5.00		ug/L			09/16/17 11:53	1
Bromodichloromethane	<1.00		1.00		ug/L			09/16/17 11:53	1
Bromoform	<5.00		5.00		ug/L			09/16/17 11:53	1
Bromomethane	<4.00		4.00		ug/L			09/16/17 11:53	1
2-Butanone (MEK)	<10.0		10.0		ug/L			09/16/17 11:53	1
n-Butylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
sec-Butylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
tert-Butylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
Carbon disulfide	<1.00		1.00		ug/L			09/16/17 11:53	1
Carbon tetrachloride	<2.00		2.00		ug/L			09/16/17 11:53	1
Chlorobenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
Chlorodibromomethane	<5.00		5.00		ug/L			09/16/17 11:53	1
Chloroethane	<4.00		4.00		ug/L			09/16/17 11:53	1
Chloroform	<1.00		1.00		ug/L			09/16/17 11:53	1
Chloromethane	<3.00		3.00		ug/L			09/16/17 11:53	1
2-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 11:53	1
4-Chlorotoluene	<1.00		1.00		ug/L			09/16/17 11:53	1
1,2-Dibromo-3-Chloropropane	<5.00		5.00		ug/L			09/16/17 11:53	1
1,2-Dibromoethane (EDB)	<1.00		1.00		ug/L			09/16/17 11:53	1
Dibromomethane	<1.00		1.00		ug/L			09/16/17 11:53	1
1,2-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
1,3-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
1,4-Dichlorobenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
Dichlorodifluoromethane	<3.00		3.00		ug/L			09/16/17 11:53	1
1,1-Dichloroethane	<1.00		1.00		ug/L			09/16/17 11:53	1
1,2-Dichloroethane	<1.00		1.00		ug/L			09/16/17 11:53	1
1,1-Dichloroethene	<2.00		2.00		ug/L			09/16/17 11:53	1
cis-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 11:53	1
trans-1,2-Dichloroethene	<1.00		1.00		ug/L			09/16/17 11:53	1
1,2-Dichloropropane	<1.00		1.00		ug/L			09/16/17 11:53	1
1,3-Dichloropropane	<1.00		1.00		ug/L			09/16/17 11:53	1
2,2-Dichloropropane	<4.00		4.00		ug/L			09/16/17 11:53	1
1,1-Dichloropropene	<1.00		1.00		ug/L			09/16/17 11:53	1
cis-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 11:53	1
trans-1,3-Dichloropropene	<5.00		5.00		ug/L			09/16/17 11:53	1
Ethylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
Hexachlorobutadiene	<5.00		5.00		ug/L			09/16/17 11:53	1
Hexane	<1.00		1.00		ug/L			09/16/17 11:53	1
Isopropylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
p-Isopropyltoluene	<1.00		1.00		ug/L			09/16/17 11:53	1
Methylene Chloride	<5.00		5.00		ug/L			09/16/17 11:53	1
Methyl tert-butyl ether	<1.00		1.00		ug/L			09/16/17 11:53	1
Naphthalene	<5.00		5.00		ug/L			09/16/17 11:53	1
N-Propylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
Styrene	<1.00		1.00		ug/L			09/16/17 11:53	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-178884/8

Matrix: Water

Analysis Batch: 178884

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 11:53	1
1,1,2,2-Tetrachloroethane	<1.00		1.00		ug/L			09/16/17 11:53	1
Tetrachloroethene	<1.00		1.00		ug/L			09/16/17 11:53	1
Toluene	<1.00		1.00		ug/L			09/16/17 11:53	1
1,2,3-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 11:53	1
1,2,4-Trichlorobenzene	<5.00		5.00		ug/L			09/16/17 11:53	1
1,1,1-Trichloroethane	<1.00		1.00		ug/L			09/16/17 11:53	1
1,1,2-Trichloroethane	<1.00		1.00		ug/L			09/16/17 11:53	1
Trichloroethene	<1.00		1.00		ug/L			09/16/17 11:53	1
Trichlorofluoromethane	<4.00		4.00		ug/L			09/16/17 11:53	1
1,2,3-Trichloropropane	<1.00		1.00		ug/L			09/16/17 11:53	1
1,2,4-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
1,3,5-Trimethylbenzene	<1.00		1.00		ug/L			09/16/17 11:53	1
Vinyl chloride	<1.00		1.00		ug/L			09/16/17 11:53	1
Xylenes, Total	<3.00		3.00		ug/L			09/16/17 11:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		82 - 122		09/16/17 11:53	1
Dibromofluoromethane (Surr)	102		79 - 119		09/16/17 11:53	1
Toluene-d8 (Surr)	100		77 - 117		09/16/17 11:53	1

Lab Sample ID: LCS 310-178884/6

Matrix: Water

Analysis Batch: 178884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	40.0	52.60		ug/L		131	55 - 150
Benzene	20.0	18.24		ug/L		91	74 - 127
Bromobenzene	20.0	16.56		ug/L		83	72 - 122
Bromochloromethane	20.0	19.36		ug/L		97	73 - 142
Bromodichloromethane	20.0	17.99		ug/L		90	71 - 118
Bromoform	20.0	15.86		ug/L		79	56 - 123
2-Butanone (MEK)	40.0	43.06		ug/L		108	51 - 150
n-Butylbenzene	20.0	20.68		ug/L		103	62 - 126
sec-Butylbenzene	20.0	18.26		ug/L		91	61 - 133
tert-Butylbenzene	20.0	16.44		ug/L		82	64 - 128
Carbon disulfide	20.0	17.34		ug/L		87	63 - 132
Carbon tetrachloride	20.0	17.80		ug/L		89	71 - 131
Chlorobenzene	20.0	18.50		ug/L		93	74 - 120
Chlorodibromomethane	20.0	16.15		ug/L		81	59 - 125
Chloroform	20.0	17.67		ug/L		88	72 - 129
2-Chlorotoluene	20.0	17.99		ug/L		90	67 - 127
4-Chlorotoluene	20.0	17.83		ug/L		89	69 - 123
1,2-Dibromo-3-Chloropropane	20.0	21.28		ug/L		106	45 - 131
1,2-Dibromoethane (EDB)	20.0	17.43		ug/L		87	69 - 127
Dibromomethane	20.0	19.22		ug/L		96	72 - 135
1,2-Dichlorobenzene	20.0	18.48		ug/L		92	68 - 121
1,3-Dichlorobenzene	20.0	17.30		ug/L		86	66 - 128

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: LCS 310-178884/6

Matrix: Water

Analysis Batch: 178884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	20.0	18.98		ug/L		95	67 - 120
1,1-Dichloroethane	20.0	19.93		ug/L		100	71 - 135
1,2-Dichloroethane	20.0	19.74		ug/L		99	71 - 131
1,1-Dichloroethene	20.0	18.81		ug/L		94	71 - 137
cis-1,2-Dichloroethene	20.0	18.28		ug/L		91	72 - 130
trans-1,2-Dichloroethene	20.0	18.01		ug/L		90	73 - 132
1,2-Dichloropropane	20.0	19.62		ug/L		98	72 - 126
1,3-Dichloropropane	20.0	18.83		ug/L		94	73 - 129
2,2-Dichloropropane	20.0	20.60		ug/L		103	50 - 150
1,1-Dichloropropene	20.0	19.60		ug/L		98	72 - 131
cis-1,3-Dichloropropene	20.0	18.43		ug/L		92	66 - 124
trans-1,3-Dichloropropene	20.0	19.37		ug/L		97	59 - 129
Ethylbenzene	20.0	18.76		ug/L		94	71 - 122
Hexachlorobutadiene	20.0	19.32		ug/L		97	62 - 134
Hexane	20.0	24.52		ug/L		123	50 - 150
Isopropylbenzene	20.0	18.00		ug/L		90	70 - 125
p-Isopropyltoluene	20.0	19.10		ug/L		96	65 - 124
Methylene Chloride	20.0	18.09		ug/L		90	66 - 129
Methyl tert-butyl ether	20.0	18.57		ug/L		93	72 - 128
Naphthalene	20.0	17.56		ug/L		88	50 - 129
N-Propylbenzene	20.0	18.27		ug/L		91	70 - 125
Styrene	20.0	19.30		ug/L		97	71 - 121
1,1,1,2-Tetrachloroethane	20.0	18.58		ug/L		93	72 - 117
1,1,2,2-Tetrachloroethane	20.0	20.00		ug/L		100	62 - 123
Tetrachloroethene	20.0	16.70		ug/L		84	68 - 138
Toluene	20.0	17.10		ug/L		85	69 - 128
1,2,3-Trichlorobenzene	20.0	19.82		ug/L		99	62 - 131
1,2,4-Trichlorobenzene	20.0	17.88		ug/L		89	61 - 127
1,1,1-Trichloroethane	20.0	19.19		ug/L		96	73 - 132
1,1,2-Trichloroethane	20.0	19.35		ug/L		97	65 - 131
Trichloroethene	20.0	17.92		ug/L		90	73 - 132
1,2,3-Trichloropropane	20.0	19.88		ug/L		99	66 - 124
1,2,4-Trimethylbenzene	20.0	17.39		ug/L		87	66 - 126
1,3,5-Trimethylbenzene	20.0	17.68		ug/L		88	69 - 128
Xylenes, Total	40.0	34.38		ug/L		86	72 - 121

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Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		82 - 122
Dibromofluoromethane (Surr)	99		79 - 119
Toluene-d8 (Surr)	104		77 - 117

Lab Sample ID: LCS 310-178884/7

Matrix: Water

Analysis Batch: 178884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	20.0	14.30		ug/L		72	18 - 128
Chloroethane	20.0	18.31		ug/L		92	66 - 140

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: LCS 310-178884/7

Matrix: Water

Analysis Batch: 178884

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	19.67		ug/L		98	55 - 141
Dichlorodifluoromethane	20.0	21.87		ug/L		109	49 - 150
Trichlorofluoromethane	20.0	20.76		ug/L		104	69 - 139
Vinyl chloride	20.0	20.39		ug/L		102	67 - 139

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		82 - 122
Dibromofluoromethane (Surr)	101		79 - 119
Toluene-d8 (Surr)	102		77 - 117

Lab Sample ID: MB 310-179055/1-A

Matrix: Solid

Analysis Batch: 179057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.480		0.480		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Benzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Bromobenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Bromochloromethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Bromodichloromethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Bromoform	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Bromomethane	<0.480		0.480		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
2-Butanone (MEK)	<0.240		0.240		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
n-Butylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
sec-Butylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
tert-Butylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Carbon disulfide	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Carbon tetrachloride	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Chlorobenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Chlorodibromomethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Chloroethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Chloroform	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Chloromethane	<0.240		0.240		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
2-Chlorotoluene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
4-Chlorotoluene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2-Dibromo-3-Chloropropane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2-Dibromoethane (EDB)	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Dibromomethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2-Dichlorobenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,3-Dichlorobenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,4-Dichlorobenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Dichlorodifluoromethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,1-Dichloroethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2-Dichloroethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,1-Dichloroethene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
cis-1,2-Dichloroethene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
trans-1,2-Dichloroethene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2-Dichloropropane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-179055/1-A

Matrix: Solid

Analysis Batch: 179057

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
2,2-Dichloropropane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,1-Dichloropropene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
cis-1,3-Dichloropropene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
trans-1,3-Dichloropropene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Ethylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Hexachlorobutadiene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Hexane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Isopropylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
p-Isopropyltoluene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Methylene Chloride	<0.240		0.240		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Methyl tert-butyl ether	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Naphthalene	<0.240		0.240		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
N-Propylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Styrene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,1,1,2-Tetrachloroethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,1,1,2,2-Tetrachloroethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Tetrachloroethene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Toluene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2,3-Trichlorobenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2,4-Trichlorobenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,1,1-Trichloroethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,1,2-Trichloroethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Trichloroethene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Trichlorofluoromethane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2,3-Trichloropropane	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,2,4-Trimethylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
1,3,5-Trimethylbenzene	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Vinyl chloride	<0.0960		0.0960		mg/Kg		09/18/17 07:23	09/18/17 10:52	1
Xylenes, Total	<0.144		0.144		mg/Kg		09/18/17 07:23	09/18/17 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 119	09/18/17 07:23	09/18/17 10:52	1
Dibromofluoromethane (Surr)	97		75 - 115	09/18/17 07:23	09/18/17 10:52	1
Toluene-d8 (Surr)	99		78 - 118	09/18/17 07:23	09/18/17 10:52	1

Lab Sample ID: LCS 310-179055/2-A

Matrix: Solid

Analysis Batch: 179057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1.88	1.843		mg/Kg		98	53 - 150
Benzene	0.941	0.9587		mg/Kg		102	78 - 144
Bromobenzene	0.941	0.9556		mg/Kg		102	75 - 128
Bromochloromethane	0.941	0.9764		mg/Kg		104	74 - 147
Bromodichloromethane	0.941	0.9694		mg/Kg		103	70 - 138
Bromoform	0.941	0.8957		mg/Kg		95	60 - 132
2-Butanone (MEK)	1.88	1.846		mg/Kg		98	54 - 150

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: LCS 310-179055/2-A

Matrix: Solid

Analysis Batch: 179057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Butylbenzene	0.941	0.9249		mg/Kg		98	70 - 131
sec-Butylbenzene	0.941	0.9171		mg/Kg		97	72 - 133
tert-Butylbenzene	0.941	0.9253		mg/Kg		98	71 - 131
Carbon disulfide	0.941	0.9061		mg/Kg		96	60 - 137
Carbon tetrachloride	0.941	0.9514		mg/Kg		101	71 - 138
Chlorobenzene	0.941	0.9529		mg/Kg		101	77 - 131
Chlorodibromomethane	0.941	0.9552		mg/Kg		101	69 - 128
Chloroform	0.941	0.9459		mg/Kg		100	76 - 140
2-Chlorotoluene	0.941	0.9443		mg/Kg		100	73 - 131
4-Chlorotoluene	0.941	0.9517		mg/Kg		101	72 - 131
1,2-Dibromo-3-Chloropropane	0.941	0.8928		mg/Kg		95	49 - 135
1,2-Dibromoethane (EDB)	0.941	0.9553		mg/Kg		101	75 - 132
Dibromomethane	0.941	0.9460		mg/Kg		100	76 - 139
1,2-Dichlorobenzene	0.941	0.9277		mg/Kg		99	72 - 129
1,3-Dichlorobenzene	0.941	0.9559		mg/Kg		102	73 - 128
1,4-Dichlorobenzene	0.941	0.9278		mg/Kg		99	73 - 125
1,1-Dichloroethane	0.941	0.9944		mg/Kg		106	76 - 142
1,2-Dichloroethane	0.941	0.9476		mg/Kg		101	71 - 147
1,1-Dichloroethene	0.941	0.9038		mg/Kg		96	69 - 144
cis-1,2-Dichloroethene	0.941	0.9841		mg/Kg		105	76 - 141
trans-1,2-Dichloroethene	0.941	0.9829		mg/Kg		104	74 - 140
1,2-Dichloropropane	0.941	0.9851		mg/Kg		105	75 - 143
1,3-Dichloropropane	0.941	0.9349		mg/Kg		99	75 - 133
2,2-Dichloropropane	0.941	1.020		mg/Kg		108	48 - 150
1,1-Dichloropropene	0.941	0.9701		mg/Kg		103	76 - 139
cis-1,3-Dichloropropene	0.941	0.9286		mg/Kg		99	74 - 130
trans-1,3-Dichloropropene	0.941	0.9524		mg/Kg		101	72 - 132
Ethylbenzene	0.941	0.9226		mg/Kg		98	78 - 134
Hexachlorobutadiene	0.941	0.9279		mg/Kg		99	63 - 132
Hexane	0.941	0.9476		mg/Kg		101	48 - 150
Isopropylbenzene	0.941	0.9427		mg/Kg		100	77 - 133
p-Isopropyltoluene	0.941	0.9277		mg/Kg		99	72 - 131
Methylene Chloride	0.941	0.9393		mg/Kg		100	53 - 150
Methyl tert-butyl ether	0.941	0.9504		mg/Kg		101	73 - 145
Naphthalene	0.941	0.8708		mg/Kg		92	49 - 149
N-Propylbenzene	0.941	0.9421		mg/Kg		100	76 - 134
Styrene	0.941	0.9561		mg/Kg		102	76 - 129
1,1,1,2-Tetrachloroethane	0.941	0.9763		mg/Kg		104	73 - 127
1,1,2,2-Tetrachloroethane	0.941	0.9345		mg/Kg		99	67 - 134
Tetrachloroethene	0.941	0.9404		mg/Kg		100	71 - 138
Toluene	0.941	0.9632		mg/Kg		102	77 - 134
1,2,3-Trichlorobenzene	0.941	0.8824		mg/Kg		94	59 - 132
1,2,4-Trichlorobenzene	0.941	0.9258		mg/Kg		98	61 - 134
1,1,1-Trichloroethane	0.941	0.9683		mg/Kg		103	75 - 140
1,1,2-Trichloroethane	0.941	0.9293		mg/Kg		99	75 - 132
Trichloroethene	0.941	0.9741		mg/Kg		103	77 - 142
1,2,3-Trichloropropane	0.941	0.8826		mg/Kg		94	69 - 135
1,2,4-Trimethylbenzene	0.941	0.9175		mg/Kg		97	73 - 131

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QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: LCS 310-179055/2-A

Matrix: Solid

Analysis Batch: 179057

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3,5-Trimethylbenzene	0.941	0.9517		mg/Kg		101	71 - 132
Xylenes, Total	1.88	1.876		mg/Kg		100	76 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		79 - 119
Dibromofluoromethane (Surr)	99		75 - 115
Toluene-d8 (Surr)	98		78 - 118

Lab Sample ID: 310-114352-12 MS

Matrix: Soil

Analysis Batch: 179057

Client Sample ID: GP13 (13-15')

Prep Type: Total/NA

Prep Batch: 179055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<0.632		2.28	2.391		mg/Kg	*	105	16 - 150
Benzene	<0.126		1.14	1.147		mg/Kg	*	101	66 - 149
Bromobenzene	<0.126		1.14	1.150		mg/Kg	*	101	64 - 134
Bromochloromethane	<0.126		1.14	1.137		mg/Kg	*	100	64 - 147
Bromodichloromethane	<0.126		1.14	1.197		mg/Kg	*	105	55 - 144
Bromoform	<0.126		1.14	1.135		mg/Kg	*	100	40 - 143
2-Butanone (MEK)	<0.316		2.28	2.335		mg/Kg	*	102	40 - 150
n-Butylbenzene	<0.126		1.14	1.110		mg/Kg	*	97	55 - 139
sec-Butylbenzene	<0.126		1.14	1.128		mg/Kg	*	99	58 - 138
tert-Butylbenzene	<0.126		1.14	1.129		mg/Kg	*	99	63 - 131
Carbon disulfide	<0.126		1.14	0.9654		mg/Kg	*	85	10 - 150
Carbon tetrachloride	<0.126		1.14	1.139		mg/Kg	*	100	57 - 142
Chlorobenzene	<0.126		1.14	1.143		mg/Kg	*	100	65 - 134
Chlorodibromomethane	<0.126		1.14	1.160		mg/Kg	*	102	60 - 129
Chloroform	<0.126		1.14	1.216		mg/Kg	*	98	59 - 147
2-Chlorotoluene	<0.126		1.14	1.161		mg/Kg	*	102	61 - 134
4-Chlorotoluene	<0.126		1.14	1.151		mg/Kg	*	101	61 - 132
1,2-Dibromo-3-Chloropropane	<0.126		1.14	1.054		mg/Kg	*	92	16 - 150
1,2-Dibromoethane (EDB)	<0.126		1.14	1.197		mg/Kg	*	105	62 - 136
Dibromomethane	<0.126		1.14	1.178		mg/Kg	*	103	60 - 148
1,2-Dichlorobenzene	<0.126		1.14	1.132		mg/Kg	*	99	64 - 130
1,3-Dichlorobenzene	<0.126		1.14	1.162		mg/Kg	*	102	65 - 129
1,4-Dichlorobenzene	<0.126		1.14	1.160		mg/Kg	*	102	63 - 128
1,1-Dichloroethane	<0.126		1.14	1.170		mg/Kg	*	103	63 - 145
1,2-Dichloroethane	<0.126		1.14	1.143		mg/Kg	*	100	60 - 147
1,1-Dichloroethene	<0.126		1.14	1.067		mg/Kg	*	94	64 - 144
cis-1,2-Dichloroethene	<0.126		1.14	1.135		mg/Kg	*	100	65 - 143
trans-1,2-Dichloroethene	<0.126		1.14	1.066		mg/Kg	*	94	61 - 144
1,2-Dichloropropane	<0.126		1.14	1.207		mg/Kg	*	106	61 - 147
1,3-Dichloropropane	<0.126		1.14	1.152		mg/Kg	*	101	66 - 137
2,2-Dichloropropane	<0.126		1.14	1.095		mg/Kg	*	96	16 - 150
1,1-Dichloropropene	<0.126		1.14	1.125		mg/Kg	*	99	64 - 142
cis-1,3-Dichloropropene	<0.126		1.14	1.094		mg/Kg	*	96	58 - 133
trans-1,3-Dichloropropene	<0.126		1.14	1.108		mg/Kg	*	97	50 - 144
Ethylbenzene	<0.126		1.14	1.118		mg/Kg	*	98	63 - 144

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: 310-114352-12 MS

Matrix: Soil

Analysis Batch: 179057

Client Sample ID: GP13 (13-15')

Prep Type: Total/NA

Prep Batch: 179055

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Hexachlorobutadiene	<0.126		1.14	1.101		mg/Kg	*	97	54 - 136	
Hexane	<0.126		1.14	0.8749		mg/Kg	*	77	10 - 150	
Isopropylbenzene	<0.126		1.14	1.149		mg/Kg	*	101	65 - 135	
p-Isopropyltoluene	<0.126		1.14	1.105		mg/Kg	*	97	56 - 140	
Methylene Chloride	<0.316		1.14	1.073		mg/Kg	*	94	50 - 150	
Methyl tert-butyl ether	<0.126		1.14	1.210		mg/Kg	*	106	59 - 150	
Naphthalene	<0.316		1.14	1.126		mg/Kg	*	96	31 - 150	
N-Propylbenzene	<0.126		1.14	1.130		mg/Kg	*	99	58 - 142	
Styrene	<0.126		1.14	1.169		mg/Kg	*	103	63 - 131	
1,1,1,2-Tetrachloroethane	<0.126		1.14	1.171		mg/Kg	*	103	60 - 133	
1,1,2,2-Tetrachloroethane	<0.126		1.14	1.185		mg/Kg	*	104	28 - 150	
Tetrachloroethene	<0.126		1.14	1.132		mg/Kg	*	99	45 - 150	
Toluene	<0.126		1.14	1.161		mg/Kg	*	102	62 - 142	
1,2,3-Trichlorobenzene	<0.126		1.14	1.108		mg/Kg	*	97	53 - 136	
1,2,4-Trichlorobenzene	<0.126		1.14	1.140		mg/Kg	*	100	49 - 144	
1,1,1-Trichloroethane	<0.126		1.14	1.138		mg/Kg	*	100	62 - 144	
1,1,2-Trichloroethane	<0.126		1.14	1.190		mg/Kg	*	104	55 - 146	
Trichloroethene	<0.126		1.14	1.129		mg/Kg	*	99	59 - 150	
1,2,3-Trichloropropane	<0.126		1.14	1.108		mg/Kg	*	97	58 - 142	
1,2,4-Trimethylbenzene	<0.126		1.14	1.117		mg/Kg	*	98	61 - 135	
1,3,5-Trimethylbenzene	<0.126		1.14	1.150		mg/Kg	*	101	60 - 133	
Xylenes, Total	<0.189		2.28	2.291		mg/Kg	*	101	64 - 138	

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	102		79 - 119
Dibromofluoromethane (Surr)	99		75 - 115
Toluene-d8 (Surr)	97		78 - 118

Lab Sample ID: 310-114352-12 MSD

Matrix: Soil

Analysis Batch: 179057

Client Sample ID: GP13 (13-15')

Prep Type: Total/NA

Prep Batch: 179055

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Acetone	<0.632		2.39	2.528		mg/Kg	*	106	16 - 150	6	40	
Benzene	<0.126		1.20	1.276		mg/Kg	*	107	66 - 149	11	23	
Bromobenzene	<0.126		1.20	1.297		mg/Kg	*	108	64 - 134	12	23	
Bromochloromethane	<0.126		1.20	1.280		mg/Kg	*	107	64 - 147	12	24	
Bromodichloromethane	<0.126		1.20	1.302		mg/Kg	*	109	55 - 144	8	25	
Bromoform	<0.126		1.20	1.182		mg/Kg	*	99	40 - 143	4	40	
2-Butanone (MEK)	<0.316		2.39	2.428		mg/Kg	*	101	40 - 150	4	40	
n-Butylbenzene	<0.126		1.20	1.184		mg/Kg	*	99	55 - 139	6	24	
sec-Butylbenzene	<0.126		1.20	1.234		mg/Kg	*	103	58 - 138	9	22	
tert-Butylbenzene	<0.126		1.20	1.248		mg/Kg	*	104	63 - 131	10	23	
Carbon disulfide	<0.126		1.20	1.109		mg/Kg	*	93	10 - 150	14	16	
Carbon tetrachloride	<0.126		1.20	1.274		mg/Kg	*	106	57 - 142	11	40	
Chlorobenzene	<0.126		1.20	1.254		mg/Kg	*	105	65 - 134	9	21	
Chlorodibromomethane	<0.126		1.20	1.271		mg/Kg	*	106	60 - 129	9	34	
Chloroform	<0.126		1.20	1.327		mg/Kg	*	102	59 - 147	9	21	

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: 310-114352-12 MSD

Matrix: Soil

Analysis Batch: 179057

Client Sample ID: GP13 (13-15')

Prep Type: Total/NA

Prep Batch: 179055

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
2-Chlorotoluene	<0.126		1.20	1.268		mg/Kg	*	106	61 - 134	9	26
4-Chlorotoluene	<0.126		1.20	1.263		mg/Kg	*	106	61 - 132	9	40
1,2-Dibromo-3-Chloropropane	<0.126		1.20	1.117		mg/Kg	*	93	16 - 150	6	40
1,2-Dibromoethane (EDB)	<0.126		1.20	1.253		mg/Kg	*	105	62 - 136	5	24
Dibromomethane	<0.126		1.20	1.272		mg/Kg	*	106	60 - 148	8	22
1,2-Dichlorobenzene	<0.126		1.20	1.269		mg/Kg	*	106	64 - 130	11	22
1,3-Dichlorobenzene	<0.126		1.20	1.263		mg/Kg	*	106	65 - 129	8	22
1,4-Dichlorobenzene	<0.126		1.20	1.255		mg/Kg	*	105	63 - 128	8	22
1,1-Dichloroethane	<0.126		1.20	1.269		mg/Kg	*	106	63 - 145	8	23
1,2-Dichloroethane	<0.126		1.20	1.258		mg/Kg	*	105	60 - 147	10	20
1,1-Dichloroethene	<0.126		1.20	1.191		mg/Kg	*	100	64 - 144	11	24
cis-1,2-Dichloroethene	<0.126		1.20	1.306		mg/Kg	*	109	65 - 143	14	22
trans-1,2-Dichloroethene	<0.126		1.20	1.215		mg/Kg	*	102	61 - 144	13	27
1,2-Dichloropropane	<0.126		1.20	1.268		mg/Kg	*	106	61 - 147	5	21
1,3-Dichloropropane	<0.126		1.20	1.255		mg/Kg	*	105	66 - 137	9	22
2,2-Dichloropropane	<0.126		1.20	1.217		mg/Kg	*	102	16 - 150	11	40
1,1-Dichloropropene	<0.126		1.20	1.250		mg/Kg	*	104	64 - 142	10	23
cis-1,3-Dichloropropene	<0.126		1.20	1.228		mg/Kg	*	103	58 - 133	12	22
trans-1,3-Dichloropropene	<0.126		1.20	1.211		mg/Kg	*	101	50 - 144	9	32
Ethylbenzene	<0.126		1.20	1.226		mg/Kg	*	102	63 - 144	9	30
Hexachlorobutadiene	<0.126		1.20	1.182		mg/Kg	*	99	54 - 136	7	35
Hexane	<0.126		1.20	0.9678		mg/Kg	*	81	10 - 150	10	40
Isopropylbenzene	<0.126		1.20	1.266		mg/Kg	*	106	65 - 135	10	22
p-Isopropyltoluene	<0.126		1.20	1.241		mg/Kg	*	104	56 - 140	12	23
Methylene Chloride	<0.316		1.20	1.205		mg/Kg	*	101	50 - 150	12	35
Methyl tert-butyl ether	<0.126		1.20	1.275		mg/Kg	*	107	59 - 150	5	33
Naphthalene	<0.316		1.20	1.227		mg/Kg	*	100	31 - 150	9	40
N-Propylbenzene	<0.126		1.20	1.239		mg/Kg	*	104	58 - 142	9	22
Styrene	<0.126		1.20	1.275		mg/Kg	*	107	63 - 131	9	22
1,1,1,2-Tetrachloroethane	<0.126		1.20	1.302		mg/Kg	*	109	60 - 133	11	24
1,1,1,2,2-Tetrachloroethane	<0.126		1.20	1.284		mg/Kg	*	107	28 - 150	8	40
Tetrachloroethene	<0.126		1.20	1.238		mg/Kg	*	104	45 - 150	9	40
Toluene	<0.126		1.20	1.265		mg/Kg	*	106	62 - 142	9	26
1,2,3-Trichlorobenzene	<0.126		1.20	1.215		mg/Kg	*	102	53 - 136	9	24
1,2,4-Trichlorobenzene	<0.126		1.20	1.241		mg/Kg	*	104	49 - 144	8	40
1,1,1-Trichloroethane	<0.126		1.20	1.261		mg/Kg	*	105	62 - 144	10	24
1,1,2-Trichloroethane	<0.126		1.20	1.270		mg/Kg	*	106	55 - 146	7	24
Trichloroethene	<0.126		1.20	1.232		mg/Kg	*	103	59 - 150	9	24
1,2,3-Trichloropropane	<0.126		1.20	1.237		mg/Kg	*	103	58 - 142	11	30
1,2,4-Trimethylbenzene	<0.126		1.20	1.236		mg/Kg	*	103	61 - 135	10	28
1,3,5-Trimethylbenzene	<0.126		1.20	1.273		mg/Kg	*	106	60 - 133	10	23
Xylenes, Total	<0.189		2.39	2.467		mg/Kg	*	103	64 - 138	7	26

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		79 - 119
Dibromofluoromethane (Surr)	101		75 - 115
Toluene-d8 (Surr)	98		78 - 118

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-179058/1-A

Matrix: Solid

Analysis Batch: 179066

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<0.484		0.484		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Benzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Bromobenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Bromochloromethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Bromodichloromethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Bromoform	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Bromomethane	<0.484		0.484		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
2-Butanone (MEK)	<0.242		0.242		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
n-Butylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
sec-Butylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
tert-Butylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Carbon disulfide	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Carbon tetrachloride	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Chlorobenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Chlorodibromomethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Chloroethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Chloroform	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Chloromethane	<0.242		0.242		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
2-Chlorotoluene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
4-Chlorotoluene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2-Dibromo-3-Chloropropane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2-Dibromoethane (EDB)	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Dibromomethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2-Dichlorobenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,3-Dichlorobenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,4-Dichlorobenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Dichlorodifluoromethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,1-Dichloroethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2-Dichloroethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,1-Dichloroethene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
cis-1,2-Dichloroethene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
trans-1,2-Dichloroethene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2-Dichloropropane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,3-Dichloropropane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
2,2-Dichloropropane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,1-Dichloropropene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
cis-1,3-Dichloropropene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
trans-1,3-Dichloropropene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Ethylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Hexachlorobutadiene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Hexane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Isopropylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
p-Isopropyltoluene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Methylene Chloride	<0.242		0.242		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Methyl tert-butyl ether	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Naphthalene	<0.242		0.242		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
N-Propylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Styrene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-179058/1-A
Matrix: Solid
Analysis Batch: 179066

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 179058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,1,2,2-Tetrachloroethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Tetrachloroethene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Toluene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2,3-Trichlorobenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2,4-Trichlorobenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,1,1-Trichloroethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,1,2-Trichloroethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Trichloroethene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Trichlorofluoromethane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2,3-Trichloropropane	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,2,4-Trimethylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
1,3,5-Trimethylbenzene	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Vinyl chloride	<0.0967		0.0967		mg/Kg		09/18/17 07:34	09/18/17 22:06	1
Xylenes, Total	<0.145		0.145		mg/Kg		09/18/17 07:34	09/18/17 22:06	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		79 - 119	09/18/17 07:34	09/18/17 22:06	1
Dibromofluoromethane (Surr)	98		75 - 115	09/18/17 07:34	09/18/17 22:06	1
Toluene-d8 (Surr)	97		78 - 118	09/18/17 07:34	09/18/17 22:06	1

Lab Sample ID: LCS 310-179058/2-A
Matrix: Solid
Analysis Batch: 179066

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 179058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1.94	2.254		mg/Kg		116	53 - 150
Benzene	0.969	1.139		mg/Kg		118	78 - 144
Bromobenzene	0.969	1.077		mg/Kg		111	75 - 128
Bromochloromethane	0.969	1.126		mg/Kg		116	74 - 147
Bromodichloromethane	0.969	1.140		mg/Kg		118	70 - 138
Bromoform	0.969	1.022		mg/Kg		105	60 - 132
2-Butanone (MEK)	1.94	2.135		mg/Kg		110	54 - 150
n-Butylbenzene	0.969	1.000		mg/Kg		103	70 - 131
sec-Butylbenzene	0.969	1.028		mg/Kg		106	72 - 133
tert-Butylbenzene	0.969	1.052		mg/Kg		109	71 - 131
Carbon disulfide	0.969	1.028		mg/Kg		106	60 - 137
Carbon tetrachloride	0.969	1.093		mg/Kg		113	71 - 138
Chlorobenzene	0.969	1.088		mg/Kg		112	77 - 131
Chlorodibromomethane	0.969	1.102		mg/Kg		114	69 - 128
Chloroform	0.969	1.096		mg/Kg		113	76 - 140
2-Chlorotoluene	0.969	1.063		mg/Kg		110	73 - 131
4-Chlorotoluene	0.969	1.051		mg/Kg		108	72 - 131
1,2-Dibromo-3-Chloropropane	0.969	0.9816		mg/Kg		101	49 - 135
1,2-Dibromoethane (EDB)	0.969	1.119		mg/Kg		115	75 - 132
Dibromomethane	0.969	1.135		mg/Kg		117	76 - 139
1,2-Dichlorobenzene	0.969	1.069		mg/Kg		110	72 - 129
1,3-Dichlorobenzene	0.969	1.046		mg/Kg		108	73 - 128

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: LCS 310-179058/2-A

Matrix: Solid

Analysis Batch: 179066

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179058

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	0.969	1.063		mg/Kg		110	73 - 125
1,1-Dichloroethane	0.969	1.120		mg/Kg		116	76 - 142
1,2-Dichloroethane	0.969	1.123		mg/Kg		116	71 - 147
1,1-Dichloroethene	0.969	1.050		mg/Kg		108	69 - 144
cis-1,2-Dichloroethene	0.969	1.146		mg/Kg		118	76 - 141
trans-1,2-Dichloroethene	0.969	1.102		mg/Kg		114	74 - 140
1,2-Dichloropropane	0.969	1.201		mg/Kg		124	75 - 143
1,3-Dichloropropane	0.969	1.080		mg/Kg		111	75 - 133
2,2-Dichloropropane	0.969	1.030		mg/Kg		106	48 - 150
1,1-Dichloropropene	0.969	1.113		mg/Kg		115	76 - 139
cis-1,3-Dichloropropene	0.969	1.038		mg/Kg		107	74 - 130
trans-1,3-Dichloropropene	0.969	1.035		mg/Kg		107	72 - 132
Ethylbenzene	0.969	1.055		mg/Kg		109	78 - 134
Hexachlorobutadiene	0.969	1.022		mg/Kg		105	63 - 132
Hexane	0.969	0.9619		mg/Kg		99	48 - 150
Isopropylbenzene	0.969	1.096		mg/Kg		113	77 - 133
p-Isopropyltoluene	0.969	1.030		mg/Kg		106	72 - 131
Methylene Chloride	0.969	1.114		mg/Kg		115	53 - 150
Methyl tert-butyl ether	0.969	1.122		mg/Kg		116	73 - 145
Naphthalene	0.969	1.023		mg/Kg		106	49 - 149
N-Propylbenzene	0.969	1.081		mg/Kg		111	76 - 134
Styrene	0.969	1.081		mg/Kg		112	76 - 129
1,1,1,2-Tetrachloroethane	0.969	1.111		mg/Kg		115	73 - 127
1,1,1,2,2-Tetrachloroethane	0.969	1.072		mg/Kg		111	67 - 134
Tetrachloroethene	0.969	1.090		mg/Kg		112	71 - 138
Toluene	0.969	1.079		mg/Kg		111	77 - 134
1,2,3-Trichlorobenzene	0.969	1.020		mg/Kg		105	59 - 132
1,2,4-Trichlorobenzene	0.969	1.025		mg/Kg		106	61 - 134
1,1,1-Trichloroethane	0.969	1.108		mg/Kg		114	75 - 140
1,1,2-Trichloroethane	0.969	1.105		mg/Kg		114	75 - 132
Trichloroethene	0.969	1.095		mg/Kg		113	77 - 142
1,2,3-Trichloropropane	0.969	1.030		mg/Kg		106	69 - 135
1,2,4-Trimethylbenzene	0.969	1.019		mg/Kg		105	73 - 131
1,3,5-Trimethylbenzene	0.969	1.061		mg/Kg		109	71 - 132
Xylenes, Total	1.94	2.121		mg/Kg		109	76 - 130

DRAFT

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		79 - 119
Dibromofluoromethane (Surr)	103		75 - 115
Toluene-d8 (Surr)	97		78 - 118

Lab Sample ID: MB 310-179373/1-A

Matrix: Solid

Analysis Batch: 179375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179373

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.482		0.482		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Benzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-179373/1-A

Matrix: Solid

Analysis Batch: 179375

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Bromochloromethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Bromodichloromethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Bromoform	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Bromomethane	<0.482		0.482		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
2-Butanone (MEK)	<0.241		0.241		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
n-Butylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
sec-Butylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
tert-Butylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Carbon disulfide	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Carbon tetrachloride	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Chlorobenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Chlorodibromomethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Chloroethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Chloroform	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Chloromethane	<0.241		0.241		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
2-Chlorotoluene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
4-Chlorotoluene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2-Dibromo-3-Chloropropane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2-Dibromoethane (EDB)	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Dibromomethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2-Dichlorobenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,3-Dichlorobenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,4-Dichlorobenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Dichlorodifluoromethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,1-Dichloroethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2-Dichloroethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,1-Dichloroethene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
cis-1,2-Dichloroethene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
trans-1,2-Dichloroethene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2-Dichloropropane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,3-Dichloropropane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
2,2-Dichloropropane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,1-Dichloropropene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
cis-1,3-Dichloropropene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
trans-1,3-Dichloropropene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Ethylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Hexachlorobutadiene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Hexane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Isopropylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
p-Isopropyltoluene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Methylene Chloride	<0.241		0.241		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Methyl tert-butyl ether	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Naphthalene	<0.241		0.241		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
N-Propylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Styrene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,1,1,2-Tetrachloroethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,1,2,2-Tetrachloroethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-179373/1-A
Matrix: Solid
Analysis Batch: 179375

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 179373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Toluene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2,3-Trichlorobenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2,4-Trichlorobenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,1,1-Trichloroethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,1,2-Trichloroethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Trichloroethene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Trichlorofluoromethane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2,3-Trichloropropane	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,2,4-Trimethylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
1,3,5-Trimethylbenzene	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Vinyl chloride	<0.0965		0.0965		mg/Kg		09/20/17 06:08	09/20/17 09:08	1
Xylenes, Total	<0.145		0.145		mg/Kg		09/20/17 06:08	09/20/17 09:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		79 - 119	09/20/17 06:08	09/20/17 09:08	1
Dibromofluoromethane (Surr)	100		75 - 115	09/20/17 06:08	09/20/17 09:08	1
Toluene-d8 (Surr)	95		78 - 118	09/20/17 06:08	09/20/17 09:08	1

Lab Sample ID: LCS 310-179373/2-A
Matrix: Solid
Analysis Batch: 179375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 179373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1.94	2.617		mg/Kg		135	53 - 150
Benzene	0.969	1.065		mg/Kg		110	78 - 144
Bromobenzene	0.969	1.013		mg/Kg		105	75 - 128
Bromochloromethane	0.969	1.101		mg/Kg		114	74 - 147
Bromodichloromethane	0.969	1.093		mg/Kg		113	70 - 138
Bromoform	0.969	0.9745		mg/Kg		101	60 - 132
2-Butanone (MEK)	1.94	2.284		mg/Kg		118	54 - 150
n-Butylbenzene	0.969	0.9443		mg/Kg		97	70 - 131
sec-Butylbenzene	0.969	0.9228		mg/Kg		95	72 - 133
tert-Butylbenzene	0.969	0.9309		mg/Kg		96	71 - 131
Carbon disulfide	0.969	0.9982		mg/Kg		103	60 - 137
Carbon tetrachloride	0.969	1.016		mg/Kg		105	71 - 138
Chlorobenzene	0.969	1.021		mg/Kg		105	77 - 131
Chlorodibromomethane	0.969	0.9980		mg/Kg		103	69 - 128
Chloroform	0.969	1.062		mg/Kg		110	76 - 140
2-Chlorotoluene	0.969	0.9620		mg/Kg		99	73 - 131
4-Chlorotoluene	0.969	0.9631		mg/Kg		99	72 - 131
1,2-Dibromo-3-Chloropropane	0.969	0.9747		mg/Kg		101	49 - 135
1,2-Dibromoethane (EDB)	0.969	1.061		mg/Kg		109	75 - 132
Dibromomethane	0.969	1.071		mg/Kg		111	76 - 139
1,2-Dichlorobenzene	0.969	0.9572		mg/Kg		99	72 - 129
1,3-Dichlorobenzene	0.969	0.9653		mg/Kg		100	73 - 128
1,4-Dichlorobenzene	0.969	0.9691		mg/Kg		100	73 - 125
1,1-Dichloroethane	0.969	1.069		mg/Kg		110	76 - 142

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: LCS 310-179373/2-A

Matrix: Solid

Analysis Batch: 179375

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	0.969	1.078		mg/Kg		111	71 - 147
1,1-Dichloroethene	0.969	1.031		mg/Kg		106	69 - 144
cis-1,2-Dichloroethene	0.969	1.073		mg/Kg		111	76 - 141
trans-1,2-Dichloroethene	0.969	1.082		mg/Kg		112	74 - 140
1,2-Dichloropropane	0.969	1.054		mg/Kg		109	75 - 143
1,3-Dichloropropane	0.969	1.025		mg/Kg		106	75 - 133
2,2-Dichloropropane	0.969	1.099		mg/Kg		113	48 - 150
1,1-Dichloropropene	0.969	1.060		mg/Kg		109	76 - 139
cis-1,3-Dichloropropene	0.969	0.9998		mg/Kg		103	74 - 130
trans-1,3-Dichloropropene	0.969	0.9952		mg/Kg		103	72 - 132
Ethylbenzene	0.969	0.9701		mg/Kg		100	78 - 134
Hexachlorobutadiene	0.969	0.8472		mg/Kg		87	63 - 132
Hexane	0.969	1.028		mg/Kg		106	48 - 150
Isopropylbenzene	0.969	1.001		mg/Kg		103	77 - 133
p-Isopropyltoluene	0.969	0.9643		mg/Kg		100	72 - 131
Methylene Chloride	0.969	1.014		mg/Kg		105	53 - 150
Methyl tert-butyl ether	0.969	1.092		mg/Kg		113	73 - 145
Naphthalene	0.969	0.9309		mg/Kg		96	49 - 149
N-Propylbenzene	0.969	0.9857		mg/Kg		102	76 - 134
Styrene	0.969	1.027		mg/Kg		106	76 - 129
1,1,1,2-Tetrachloroethane	0.969	1.000		mg/Kg		103	73 - 127
1,1,1,2,2-Tetrachloroethane	0.969	1.041		mg/Kg		107	67 - 134
Tetrachloroethene	0.969	0.9778		mg/Kg		101	71 - 138
Toluene	0.969	0.9950		mg/Kg		103	77 - 134
1,2,3-Trichlorobenzene	0.969	0.8915		mg/Kg		92	59 - 132
1,2,4-Trichlorobenzene	0.969	0.9401		mg/Kg		97	61 - 134
1,1,1-Trichloroethane	0.969	1.033		mg/Kg		107	75 - 140
1,1,2-Trichloroethane	0.969	1.064		mg/Kg		110	75 - 132
Trichloroethene	0.969	1.026		mg/Kg		106	77 - 142
1,2,3-Trichloropropane	0.969	0.9892		mg/Kg		102	69 - 135
1,2,4-Trimethylbenzene	0.969	0.9363		mg/Kg		97	73 - 131
1,3,5-Trimethylbenzene	0.969	0.9681		mg/Kg		100	71 - 132
Xylenes, Total	1.94	1.968		mg/Kg		102	76 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		79 - 119
Dibromofluoromethane (Surr)	99		75 - 115
Toluene-d8 (Surr)	94		78 - 118

Lab Sample ID: 310-114352-18 MS

Matrix: Soil

Analysis Batch: 179375

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<0.578		2.35	2.252		mg/Kg	☼	96	16 - 150
Benzene	<0.116		1.17	1.024		mg/Kg	☼	87	66 - 149
Bromobenzene	<0.116		1.17	0.9929		mg/Kg	☼	85	64 - 134
Bromochloromethane	<0.116		1.17	1.054		mg/Kg	☼	90	64 - 147

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: 310-114352-18 MS

Matrix: Soil

Analysis Batch: 179375

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179373

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Bromodichloromethane	<0.116		1.17	1.046		mg/Kg	*	89	55 - 144
Bromoform	<0.116		1.17	0.9492		mg/Kg	*	81	40 - 143
2-Butanone (MEK)	<0.289		2.35	1.835		mg/Kg	*	78	40 - 150
n-Butylbenzene	<0.116		1.17	0.9283		mg/Kg	*	76	55 - 139
sec-Butylbenzene	<0.116		1.17	0.9158		mg/Kg	*	78	58 - 138
tert-Butylbenzene	<0.116		1.17	0.9288		mg/Kg	*	79	63 - 131
Carbon disulfide	<0.116		1.17	0.8373		mg/Kg	*	71	10 - 150
Carbon tetrachloride	<0.116		1.17	0.9809		mg/Kg	*	84	57 - 142
Chlorobenzene	<0.116		1.17	0.9840		mg/Kg	*	84	65 - 134
Chlorodibromomethane	<0.116		1.17	0.9767		mg/Kg	*	83	60 - 129
Chloroform	<0.116		1.17	1.118		mg/Kg	*	88	59 - 147
2-Chlorotoluene	<0.116		1.17	0.9473		mg/Kg	*	81	61 - 134
4-Chlorotoluene	<0.116		1.17	0.9631		mg/Kg	*	82	61 - 132
1,2-Dibromo-3-Chloropropane	<0.116		1.17	0.9054		mg/Kg	*	77	16 - 150
1,2-Dibromoethane (EDB)	<0.116		1.17	1.013		mg/Kg	*	86	62 - 136
Dibromomethane	<0.116		1.17	1.051		mg/Kg	*	90	60 - 148
1,2-Dichlorobenzene	<0.116		1.17	0.9430		mg/Kg	*	80	64 - 130
1,3-Dichlorobenzene	<0.116		1.17	0.9338		mg/Kg	*	80	65 - 129
1,4-Dichlorobenzene	<0.116		1.17	0.9542		mg/Kg	*	81	63 - 128
1,1-Dichloroethane	<0.116		1.17	1.015		mg/Kg	*	87	63 - 145
1,2-Dichloroethane	<0.116		1.17	1.028		mg/Kg	*	88	60 - 147
1,1-Dichloroethene	<0.116		1.17	0.9310		mg/Kg	*	79	64 - 144
cis-1,2-Dichloroethene	<0.116		1.17	1.015		mg/Kg	*	87	65 - 143
trans-1,2-Dichloroethene	<0.116		1.17	1.019		mg/Kg	*	87	61 - 144
1,2-Dichloropropane	<0.116		1.17	1.057		mg/Kg	*	90	61 - 147
1,3-Dichloropropane	<0.116		1.17	0.9618		mg/Kg	*	82	66 - 137
2,2-Dichloropropane	<0.116		1.17	0.9451		mg/Kg	*	81	16 - 150
1,1-Dichloropropene	<0.116		1.17	0.9464		mg/Kg	*	81	64 - 142
cis-1,3-Dichloropropene	<0.116		1.17	0.9665		mg/Kg	*	82	58 - 133
trans-1,3-Dichloropropene	<0.116		1.17	0.9679		mg/Kg	*	83	50 - 144
Ethylbenzene	<0.116		1.17	0.9763		mg/Kg	*	83	63 - 144
Hexachlorobutadiene	<0.116		1.17	0.7968		mg/Kg	*	64	54 - 136
Hexane	<0.116		1.17	1.067		mg/Kg	*	91	10 - 150
Isopropylbenzene	<0.116		1.17	0.9858		mg/Kg	*	84	65 - 135
p-Isopropyltoluene	<0.116		1.17	0.9267		mg/Kg	*	79	56 - 140
Methylene Chloride	<0.289		1.17	1.007		mg/Kg	*	86	50 - 150
Methyl tert-butyl ether	<0.116		1.17	1.037		mg/Kg	*	88	59 - 150
Naphthalene	<0.289		1.17	0.9232		mg/Kg	*	73	31 - 150
N-Propylbenzene	<0.116		1.17	0.9647		mg/Kg	*	82	58 - 142
Styrene	<0.116		1.17	0.9895		mg/Kg	*	84	63 - 131
1,1,1,2-Tetrachloroethane	<0.116		1.17	1.012		mg/Kg	*	86	60 - 133
1,1,1,2-Tetrachloroethane	<0.116		1.17	1.046		mg/Kg	*	89	28 - 150
Tetrachloroethene	<0.116		1.17	0.9464		mg/Kg	*	81	45 - 150
Toluene	<0.116		1.17	0.9911		mg/Kg	*	84	62 - 142
1,2,3-Trichlorobenzene	<0.116		1.17	0.8245		mg/Kg	*	67	53 - 136
1,2,4-Trichlorobenzene	<0.116		1.17	0.8732		mg/Kg	*	72	49 - 144
1,1,1-Trichloroethane	<0.116		1.17	1.012		mg/Kg	*	86	62 - 144
1,1,2-Trichloroethane	<0.116		1.17	1.017		mg/Kg	*	87	55 - 146

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: 310-114352-18 MS

Matrix: Soil

Analysis Batch: 179375

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179373

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	<0.116		1.17	1.010		mg/Kg	☼	86	59 - 150
1,2,3-Trichloropropane	<0.116		1.17	0.9180		mg/Kg	☼	78	58 - 142
1,2,4-Trimethylbenzene	<0.116		1.17	1.083		mg/Kg	☼	89	61 - 135
1,3,5-Trimethylbenzene	<0.116		1.17	1.010		mg/Kg	☼	86	60 - 133
Xylenes, Total	<0.173		2.35	1.991		mg/Kg	☼	85	64 - 138

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		79 - 119
Dibromofluoromethane (Surr)	98		75 - 115
Toluene-d8 (Surr)	95		78 - 118

Lab Sample ID: 310-114352-18 MSD

Matrix: Soil

Analysis Batch: 179375

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179373

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	<0.578		2.20	2.265		mg/Kg	☼	103	16 - 150	1	40
Benzene	<0.116		1.10	0.9826		mg/Kg	☼	90	66 - 149	4	23
Bromobenzene	<0.116		1.10	0.9130		mg/Kg	☼	83	64 - 134	8	23
Bromochloromethane	<0.116		1.10	1.001		mg/Kg	☼	91	64 - 147	5	24
Bromodichloromethane	<0.116		1.10	0.9737		mg/Kg	☼	89	55 - 144	7	25
Bromoform	<0.116		1.10	0.8969		mg/Kg	☼	82	40 - 143	6	40
2-Butanone (MEK)	<0.289		2.20	1.798		mg/Kg	☼	82	40 - 150	2	40
n-Butylbenzene	<0.116		1.10	0.8431		mg/Kg	☼	74	55 - 139	10	24
sec-Butylbenzene	<0.116		1.10	0.8544		mg/Kg	☼	78	58 - 138	7	22
tert-Butylbenzene	<0.116		1.10	0.8722		mg/Kg	☼	79	63 - 131	6	23
Carbon disulfide	<0.116		1.10	0.7909		mg/Kg	☼	72	10 - 150	6	16
Carbon tetrachloride	<0.116		1.10	0.9427		mg/Kg	☼	86	57 - 142	4	40
Chlorobenzene	<0.116		1.10	0.9192		mg/Kg	☼	84	65 - 134	7	21
Chlorodibromomethane	<0.116		1.10	0.9220		mg/Kg	☼	84	60 - 129	6	34
Chloroform	<0.116		1.10	1.070		mg/Kg	☼	89	59 - 147	4	21
2-Chlorotoluene	<0.116		1.10	0.8485		mg/Kg	☼	77	61 - 134	11	26
4-Chlorotoluene	<0.116		1.10	0.8813		mg/Kg	☼	80	61 - 132	9	40
1,2-Dibromo-3-Chloropropane	<0.116		1.10	0.8203		mg/Kg	☼	75	16 - 150	10	40
1,2-Dibromoethane (EDB)	<0.116		1.10	0.9581		mg/Kg	☼	87	62 - 136	6	24
Dibromomethane	<0.116		1.10	0.9737		mg/Kg	☼	89	60 - 148	8	22
1,2-Dichlorobenzene	<0.116		1.10	0.8834		mg/Kg	☼	80	64 - 130	7	22
1,3-Dichlorobenzene	<0.116		1.10	0.8912		mg/Kg	☼	81	65 - 129	5	22
1,4-Dichlorobenzene	<0.116		1.10	0.8995		mg/Kg	☼	82	63 - 128	6	22
1,1-Dichloroethane	<0.116		1.10	0.9537		mg/Kg	☼	87	63 - 145	6	23
1,2-Dichloroethane	<0.116		1.10	0.9139		mg/Kg	☼	83	60 - 147	12	20
1,1-Dichloroethene	<0.116		1.10	0.8803		mg/Kg	☼	80	64 - 144	6	24
cis-1,2-Dichloroethene	<0.116		1.10	0.9377		mg/Kg	☼	85	65 - 143	8	22
trans-1,2-Dichloroethene	<0.116		1.10	0.9371		mg/Kg	☼	85	61 - 144	8	27
1,2-Dichloropropane	<0.116		1.10	0.9512		mg/Kg	☼	87	61 - 147	11	21
1,3-Dichloropropane	<0.116		1.10	0.9162		mg/Kg	☼	83	66 - 137	5	22
2,2-Dichloropropane	<0.116		1.10	0.8630		mg/Kg	☼	79	16 - 150	9	40
1,1-Dichloropropene	<0.116		1.10	0.9145		mg/Kg	☼	83	64 - 142	3	23

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: 310-114352-18 MSD

Matrix: Soil

Analysis Batch: 179375

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179373

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
cis-1,3-Dichloropropene	<0.116		1.10	0.8892		mg/Kg	*	81	58 - 133	8	22
trans-1,3-Dichloropropene	<0.116		1.10	0.8947		mg/Kg	*	82	50 - 144	8	32
Ethylbenzene	<0.116		1.10	0.9016		mg/Kg	*	82	63 - 144	8	30
Hexachlorobutadiene	<0.116		1.10	0.7945		mg/Kg	*	68	54 - 136	0	35
Hexane	<0.116		1.10	0.8206		mg/Kg	*	75	10 - 150	26	40
Isopropylbenzene	<0.116		1.10	0.9025		mg/Kg	*	82	65 - 135	9	22
p-Isopropyltoluene	<0.116		1.10	0.8795		mg/Kg	*	80	56 - 140	5	23
Methylene Chloride	<0.289		1.10	0.9351		mg/Kg	*	85	50 - 150	7	35
Methyl tert-butyl ether	<0.116		1.10	0.9612		mg/Kg	*	88	59 - 150	8	33
Naphthalene	<0.289		1.10	0.8854		mg/Kg	*	74	31 - 150	4	40
N-Propylbenzene	<0.116		1.10	0.9135		mg/Kg	*	83	58 - 142	5	22
Styrene	<0.116		1.10	0.9083		mg/Kg	*	83	63 - 131	9	22
1,1,1,2-Tetrachloroethane	<0.116		1.10	0.9500		mg/Kg	*	87	60 - 133	6	24
1,1,1,2-Tetrachloroethane	<0.116		1.10	0.9921		mg/Kg	*	90	28 - 150	5	40
Tetrachloroethene	<0.116		1.10	0.8963		mg/Kg	*	82	45 - 150	5	40
Toluene	<0.116		1.10	0.9411		mg/Kg	*	86	62 - 142	5	26
1,2,3-Trichlorobenzene	<0.116		1.10	0.8097		mg/Kg	*	71	53 - 136	2	24
1,2,4-Trichlorobenzene	<0.116		1.10	0.8603		mg/Kg	*	76	49 - 144	1	40
1,1,1-Trichloroethane	<0.116		1.10	0.9555		mg/Kg	*	87	62 - 144	6	24
1,1,2-Trichloroethane	<0.116		1.10	0.9296		mg/Kg	*	85	55 - 146	9	24
Trichloroethene	<0.116		1.10	0.9534		mg/Kg	*	87	59 - 150	6	24
1,2,3-Trichloropropane	<0.116		1.10	0.8458		mg/Kg	*	77	58 - 142	8	30
1,2,4-Trimethylbenzene	<0.116		1.10	0.9991		mg/Kg	*	88	61 - 135	8	28
1,3,5-Trimethylbenzene	<0.116		1.10	0.9366		mg/Kg	*	85	60 - 133	8	23
Xylenes, Total	<0.173		2.20	1.922		mg/Kg	*	88	64 - 138	4	26

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	103		79 - 119
Dibromofluoromethane (Surr)	101		75 - 115
Toluene-d8 (Surr)	95		78 - 118

Lab Sample ID: MB 310-179376/1-A

Matrix: Solid

Analysis Batch: 179384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179376

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Acetone	<0.480		0.480		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Benzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Bromobenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Bromochloromethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Bromodichloromethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Bromoform	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Bromomethane	<0.480		0.480		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
2-Butanone (MEK)	<0.240		0.240		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
n-Butylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
sec-Butylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
tert-Butylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Carbon disulfide	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

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

Lab Sample ID: MB 310-179376/1-A
Matrix: Solid
Analysis Batch: 179384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 179376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Chlorobenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Chlorodibromomethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Chloroethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Chloroform	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Chloromethane	<0.240		0.240		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
2-Chlorotoluene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
4-Chlorotoluene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2-Dibromo-3-Chloropropane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2-Dibromoethane (EDB)	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Dibromomethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2-Dichlorobenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,3-Dichlorobenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,4-Dichlorobenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Dichlorodifluoromethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,1-Dichloroethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2-Dichloroethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,1-Dichloroethene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
cis-1,2-Dichloroethene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
trans-1,2-Dichloroethene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2-Dichloropropane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,3-Dichloropropane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
2,2-Dichloropropane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,1-Dichloropropene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
cis-1,3-Dichloropropene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
trans-1,3-Dichloropropene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Ethylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Hexachlorobutadiene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Hexane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Isopropylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
p-Isopropyltoluene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Methylene Chloride	<0.240		0.240		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Methyl tert-butyl ether	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Naphthalene	<0.240		0.240		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
N-Propylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Styrene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,1,1,2-Tetrachloroethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,1,2,2-Tetrachloroethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Tetrachloroethene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Toluene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2,3-Trichlorobenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2,4-Trichlorobenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,1,1-Trichloroethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,1,2-Trichloroethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Trichloroethene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Trichlorofluoromethane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2,3-Trichloropropane	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
1,2,4-Trimethylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-179376/1-A

Matrix: Solid

Analysis Batch: 179384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179376

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Vinyl chloride	<0.0960		0.0960		mg/Kg		09/20/17 06:15	09/20/17 20:23	1
Xylenes, Total	<0.144		0.144		mg/Kg		09/20/17 06:15	09/20/17 20:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		79 - 119	09/20/17 06:15	09/20/17 20:23	1
Dibromofluoromethane (Surr)	97		75 - 115	09/20/17 06:15	09/20/17 20:23	1
Toluene-d8 (Surr)	95		78 - 118	09/20/17 06:15	09/20/17 20:23	1

Lab Sample ID: LCS 310-179376/2-A

Matrix: Solid

Analysis Batch: 179384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	1.87	2.588		mg/Kg		139	53 - 150
Benzene	0.934	1.119		mg/Kg		120	78 - 144
Bromobenzene	0.934	1.060		mg/Kg		113	75 - 128
Bromochloromethane	0.934	1.128		mg/Kg		121	74 - 147
Bromodichloromethane	0.934	1.098		mg/Kg		118	70 - 138
Bromoform	0.934	0.9752		mg/Kg		104	60 - 132
2-Butanone (MEK)	1.87	2.084		mg/Kg		112	54 - 150
n-Butylbenzene	0.934	0.9261		mg/Kg		99	70 - 131
sec-Butylbenzene	0.934	0.9588		mg/Kg		103	72 - 133
tert-Butylbenzene	0.934	0.9744		mg/Kg		104	71 - 131
Carbon disulfide	0.934	1.025		mg/Kg		110	60 - 137
Carbon tetrachloride	0.934	1.067		mg/Kg		114	71 - 138
Chlorobenzene	0.934	1.045		mg/Kg		112	77 - 131
Chlorodibromomethane	0.934	1.027		mg/Kg		110	69 - 128
Chloroform	0.934	1.164		mg/Kg		125	76 - 140
2-Chlorotoluene	0.934	0.9830		mg/Kg		105	73 - 131
4-Chlorotoluene	0.934	0.9913		mg/Kg		106	72 - 131
1,2-Dibromo-3-Chloropropane	0.934	0.8729		mg/Kg		93	49 - 135
1,2-Dibromoethane (EDB)	0.934	1.061		mg/Kg		114	75 - 132
Dibromomethane	0.934	1.061		mg/Kg		114	76 - 139
1,2-Dichlorobenzene	0.934	0.9893		mg/Kg		106	72 - 129
1,3-Dichlorobenzene	0.934	1.004		mg/Kg		107	73 - 128
1,4-Dichlorobenzene	0.934	0.9987		mg/Kg		107	73 - 125
1,1-Dichloroethane	0.934	1.092		mg/Kg		117	76 - 142
1,2-Dichloroethane	0.934	1.076		mg/Kg		115	71 - 147
1,1-Dichloroethene	0.934	1.083		mg/Kg		116	69 - 144
cis-1,2-Dichloroethene	0.934	1.075		mg/Kg		115	76 - 141
trans-1,2-Dichloroethene	0.934	1.090		mg/Kg		117	74 - 140
1,2-Dichloropropane	0.934	1.120		mg/Kg		120	75 - 143
1,3-Dichloropropane	0.934	1.043		mg/Kg		112	75 - 133
2,2-Dichloropropane	0.934	0.9655		mg/Kg		103	48 - 150
1,1-Dichloropropene	0.934	1.072		mg/Kg		115	76 - 139
cis-1,3-Dichloropropene	0.934	1.023		mg/Kg		110	74 - 130
trans-1,3-Dichloropropene	0.934	0.9883		mg/Kg		106	72 - 132

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: LCS 310-179376/2-A
Matrix: Solid
Analysis Batch: 179384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 179376

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.934	1.014		mg/Kg		108	78 - 134
Hexachlorobutadiene	0.934	0.9034		mg/Kg		97	63 - 132
Hexane	0.934	0.8784		mg/Kg		94	48 - 150
Isopropylbenzene	0.934	1.030		mg/Kg		110	77 - 133
p-Isopropyltoluene	0.934	0.9639		mg/Kg		103	72 - 131
Methylene Chloride	0.934	1.047		mg/Kg		112	53 - 150
Methyl tert-butyl ether	0.934	1.085		mg/Kg		116	73 - 145
Naphthalene	0.934	0.8975		mg/Kg		96	49 - 149
N-Propylbenzene	0.934	1.026		mg/Kg		110	76 - 134
Styrene	0.934	1.058		mg/Kg		113	76 - 129
1,1,1,2-Tetrachloroethane	0.934	1.070		mg/Kg		115	73 - 127
1,1,1,2-Tetrachloroethane	0.934	1.025		mg/Kg		110	67 - 134
Tetrachloroethene	0.934	1.014		mg/Kg		109	71 - 138
Toluene	0.934	1.053		mg/Kg		113	77 - 134
1,2,3-Trichlorobenzene	0.934	0.8764		mg/Kg		94	59 - 132
1,2,4-Trichlorobenzene	0.934	0.9141		mg/Kg		98	61 - 134
1,1,1-Trichloroethane	0.934	1.097		mg/Kg		117	75 - 140
1,1,2-Trichloroethane	0.934	1.042		mg/Kg		112	75 - 132
Trichloroethene	0.934	1.072		mg/Kg		115	77 - 142
1,2,3-Trichloropropane	0.934	0.9506		mg/Kg		102	69 - 135
1,2,4-Trimethylbenzene	0.934	0.9747		mg/Kg		104	73 - 131
1,3,5-Trimethylbenzene	0.934	0.9951		mg/Kg		107	71 - 132
Xylenes, Total	1.87	2.081		mg/Kg		111	76 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		79 - 119
Dibromofluoromethane (Surr)	98		75 - 115
Toluene-d8 (Surr)	96		78 - 118

Lab Sample ID: 310-114352-32 MS
Matrix: Soil
Analysis Batch: 179384

Client Sample ID: GP3 (2-4')
Prep Type: Total/NA
Prep Batch: 179376

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	<0.628		2.53	2.778		mg/Kg	*	101	16 - 150
Benzene	<0.126		1.26	1.184		mg/Kg	*	94	66 - 149
Bromobenzene	<0.126		1.26	1.180		mg/Kg	*	93	64 - 134
Bromochloromethane	<0.126		1.26	1.213		mg/Kg	*	96	64 - 147
Bromodichloromethane	<0.126		1.26	1.227		mg/Kg	*	97	55 - 144
Bromoform	<0.126		1.26	1.013		mg/Kg	*	80	40 - 143
2-Butanone (MEK)	<0.314		2.53	2.178		mg/Kg	*	86	40 - 150
n-Butylbenzene	<0.126		1.26	0.9750		mg/Kg	*	74	55 - 139
sec-Butylbenzene	<0.126		1.26	1.018		mg/Kg	*	81	58 - 138
tert-Butylbenzene	<0.126		1.26	1.071		mg/Kg	*	85	63 - 131
Carbon disulfide	<0.126		1.26	1.041		mg/Kg	*	82	10 - 150
Carbon tetrachloride	<0.126		1.26	1.129		mg/Kg	*	89	57 - 142
Chlorobenzene	<0.126		1.26	1.142		mg/Kg	*	90	65 - 134
Chlorodibromomethane	<0.126		1.26	1.101		mg/Kg	*	87	60 - 129

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: 310-114352-32 MS

Matrix: Soil

Analysis Batch: 179384

Client Sample ID: GP3 (2-4')

Prep Type: Total/NA

Prep Batch: 179376

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Chloroform	<0.126		1.26	1.331		mg/Kg	*	105	59 - 147
2-Chlorotoluene	<0.126		1.26	1.095		mg/Kg	*	87	61 - 134
4-Chlorotoluene	<0.126		1.26	1.082		mg/Kg	*	86	61 - 132
1,2-Dibromo-3-Chloropropane	<0.126		1.26	0.9442		mg/Kg	*	75	16 - 150
1,2-Dibromoethane (EDB)	<0.126		1.26	1.106		mg/Kg	*	87	62 - 136
Dibromomethane	<0.126		1.26	1.203		mg/Kg	*	95	60 - 148
1,2-Dichlorobenzene	<0.126		1.26	1.064		mg/Kg	*	84	64 - 130
1,3-Dichlorobenzene	<0.126		1.26	1.083		mg/Kg	*	86	65 - 129
1,4-Dichlorobenzene	<0.126		1.26	1.063		mg/Kg	*	84	63 - 128
1,1-Dichloroethane	<0.126		1.26	1.199		mg/Kg	*	95	63 - 145
1,2-Dichloroethane	<0.126		1.26	1.171		mg/Kg	*	93	60 - 147
1,1-Dichloroethene	<0.126		1.26	1.068		mg/Kg	*	84	64 - 144
cis-1,2-Dichloroethene	<0.126		1.26	1.225		mg/Kg	*	97	65 - 143
trans-1,2-Dichloroethene	<0.126		1.26	1.133		mg/Kg	*	90	61 - 144
1,2-Dichloropropane	<0.126		1.26	1.218		mg/Kg	*	96	61 - 147
1,3-Dichloropropane	<0.126		1.26	1.067		mg/Kg	*	84	66 - 137
2,2-Dichloropropane	<0.126		1.26	0.9947		mg/Kg	*	79	16 - 150
1,1-Dichloropropene	<0.126		1.26	1.138		mg/Kg	*	90	64 - 142
cis-1,3-Dichloropropene	<0.126		1.26	1.036		mg/Kg	*	82	58 - 133
trans-1,3-Dichloropropene	<0.126		1.26	1.062		mg/Kg	*	84	50 - 144
Ethylbenzene	<0.126		1.26	1.094		mg/Kg	*	87	63 - 144
Hexachlorobutadiene	<0.126		1.26	0.9207		mg/Kg	*	68	54 - 136
Hexane	<0.126		1.26	0.7451		mg/Kg	*	56	10 - 150
Isopropylbenzene	<0.126		1.26	1.095		mg/Kg	*	87	65 - 135
p-Isopropyltoluene	<0.126		1.26	1.034		mg/Kg	*	82	56 - 140
Methylene Chloride	<0.314		1.26	1.176		mg/Kg	*	93	50 - 150
Methyl tert-butyl ether	<0.126		1.26	1.186		mg/Kg	*	94	59 - 150
Naphthalene	<0.314		1.26	0.8948		mg/Kg	*	66	31 - 150
N-Propylbenzene	<0.126		1.26	1.105		mg/Kg	*	87	58 - 142
Styrene	<0.126		1.26	1.125		mg/Kg	*	89	63 - 131
1,1,1,2-Tetrachloroethane	<0.126		1.26	1.149		mg/Kg	*	91	60 - 133
1,1,1,2,2-Tetrachloroethane	<0.126		1.26	1.052		mg/Kg	*	83	28 - 150
Tetrachloroethene	<0.126		1.26	1.077		mg/Kg	*	85	45 - 150
Toluene	<0.126		1.26	1.132		mg/Kg	*	90	62 - 142
1,2,3-Trichlorobenzene	<0.126		1.26	0.9142		mg/Kg	*	69	53 - 136
1,2,4-Trichlorobenzene	<0.126		1.26	0.9346		mg/Kg	*	70	49 - 144
1,1,1-Trichloroethane	<0.126		1.26	1.194		mg/Kg	*	94	62 - 144
1,1,2-Trichloroethane	<0.126		1.26	1.091		mg/Kg	*	86	55 - 146
Trichloroethene	<0.126		1.26	1.200		mg/Kg	*	95	59 - 150
1,2,3-Trichloropropane	<0.126		1.26	1.007		mg/Kg	*	80	58 - 142
1,2,4-Trimethylbenzene	<0.126		1.26	1.112		mg/Kg	*	85	61 - 135
1,3,5-Trimethylbenzene	<0.126		1.26	1.113		mg/Kg	*	88	60 - 133
Xylenes, Total	<0.188		2.53	2.259		mg/Kg	*	89	64 - 138

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		79 - 119
Dibromofluoromethane (Surr)	101		75 - 115
Toluene-d8 (Surr)	95		78 - 118

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Lab Sample ID: 310-114352-32 MSD

Matrix: Soil

Analysis Batch: 179384

Client Sample ID: GP3 (2-4')

Prep Type: Total/NA

Prep Batch: 179376

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
Acetone	<0.628		2.54	3.182		mg/Kg	*	116	16 - 150	14	40
Benzene	<0.126		1.27	1.271		mg/Kg	*	100	66 - 149	7	23
Bromobenzene	<0.126		1.27	1.173		mg/Kg	*	92	64 - 134	1	23
Bromochloromethane	<0.126		1.27	1.283		mg/Kg	*	101	64 - 147	6	24
Bromodichloromethane	<0.126		1.27	1.252		mg/Kg	*	99	55 - 144	2	25
Bromoform	<0.126		1.27	1.053		mg/Kg	*	83	40 - 143	4	40
2-Butanone (MEK)	<0.314		2.54	2.307		mg/Kg	*	91	40 - 150	6	40
n-Butylbenzene	<0.126		1.27	1.046		mg/Kg	*	80	55 - 139	7	24
sec-Butylbenzene	<0.126		1.27	1.065		mg/Kg	*	84	58 - 138	5	22
tert-Butylbenzene	<0.126		1.27	1.123		mg/Kg	*	89	63 - 131	5	23
Carbon disulfide	<0.126		1.27	1.108		mg/Kg	*	87	10 - 150	6	16
Carbon tetrachloride	<0.126		1.27	1.230		mg/Kg	*	97	57 - 142	9	40
Chlorobenzene	<0.126		1.27	1.180		mg/Kg	*	93	65 - 134	3	21
Chlorodibromomethane	<0.126		1.27	1.118		mg/Kg	*	88	60 - 129	2	34
Chloroform	<0.126		1.27	1.396		mg/Kg	*	110	59 - 147	5	21
2-Chlorotoluene	<0.126		1.27	1.096		mg/Kg	*	86	61 - 134	0	26
4-Chlorotoluene	<0.126		1.27	1.131		mg/Kg	*	89	61 - 132	4	40
1,2-Dibromo-3-Chloropropane	<0.126		1.27	1.110		mg/Kg	*	87	16 - 150	16	40
1,2-Dibromoethane (EDB)	<0.126		1.27	1.189		mg/Kg	*	94	62 - 136	7	24
Dibromomethane	<0.126		1.27	1.245		mg/Kg	*	98	60 - 148	3	22
1,2-Dichlorobenzene	<0.126		1.27	1.129		mg/Kg	*	89	64 - 130	6	22
1,3-Dichlorobenzene	<0.126		1.27	1.100		mg/Kg	*	87	65 - 129	2	22
1,4-Dichlorobenzene	<0.126		1.27	1.108		mg/Kg	*	87	63 - 128	4	22
1,1-Dichloroethane	<0.126		1.27	1.289		mg/Kg	*	102	63 - 145	7	23
1,2-Dichloroethane	<0.126		1.27	1.253		mg/Kg	*	99	60 - 147	7	20
1,1-Dichloroethene	<0.126		1.27	1.182		mg/Kg	*	93	64 - 144	10	24
cis-1,2-Dichloroethene	<0.126		1.27	1.274		mg/Kg	*	100	65 - 143	4	22
trans-1,2-Dichloroethene	<0.126		1.27	1.218		mg/Kg	*	96	61 - 144	7	27
1,2-Dichloropropane	<0.126		1.27	1.283		mg/Kg	*	101	61 - 147	5	21
1,3-Dichloropropane	<0.126		1.27	1.156		mg/Kg	*	91	66 - 137	8	22
2,2-Dichloropropane	<0.126		1.27	1.019		mg/Kg	*	80	16 - 150	2	40
1,1-Dichloropropene	<0.126		1.27	1.183		mg/Kg	*	93	64 - 142	4	23
cis-1,3-Dichloropropene	<0.126		1.27	1.114		mg/Kg	*	88	58 - 133	7	22
trans-1,3-Dichloropropene	<0.126		1.27	1.124		mg/Kg	*	89	50 - 144	6	32
Ethylbenzene	<0.126		1.27	1.165		mg/Kg	*	92	63 - 144	6	30
Hexachlorobutadiene	<0.126		1.27	1.063		mg/Kg	*	79	54 - 136	14	35
Hexane	<0.126		1.27	0.8747		mg/Kg	*	66	10 - 150	16	40
Isopropylbenzene	<0.126		1.27	1.162		mg/Kg	*	92	65 - 135	6	22
p-Isopropyltoluene	<0.126		1.27	1.094		mg/Kg	*	86	56 - 140	6	23
Methylene Chloride	<0.314		1.27	1.249		mg/Kg	*	98	50 - 150	6	35
Methyl tert-butyl ether	<0.126		1.27	1.274		mg/Kg	*	100	59 - 150	7	33
Naphthalene	<0.314		1.27	1.042		mg/Kg	*	78	31 - 150	15	40
N-Propylbenzene	<0.126		1.27	1.119		mg/Kg	*	88	58 - 142	1	22
Styrene	<0.126		1.27	1.165		mg/Kg	*	92	63 - 131	3	22
1,1,1,2-Tetrachloroethane	<0.126		1.27	1.194		mg/Kg	*	94	60 - 133	4	24
1,1,1,2,2-Tetrachloroethane	<0.126		1.27	1.081		mg/Kg	*	85	28 - 150	3	40
Tetrachloroethene	<0.126		1.27	1.157		mg/Kg	*	91	45 - 150	7	40
Toluene	<0.126		1.27	1.197		mg/Kg	*	94	62 - 142	6	26
1,2,3-Trichlorobenzene	<0.126		1.27	0.9999		mg/Kg	*	76	53 - 136	9	24
1,2,4-Trichlorobenzene	<0.126		1.27	1.037		mg/Kg	*	78	49 - 144	10	40

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: 310-114352-32 MSD

Matrix: Soil

Analysis Batch: 179384

Client Sample ID: GP3 (2-4')

Prep Type: Total/NA

Prep Batch: 179376

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
1,1,1-Trichloroethane	<0.126		1.27	1.237		mg/Kg	*	97	62 - 144	3	24
1,1,2-Trichloroethane	<0.126		1.27	1.223		mg/Kg	*	96	55 - 146	11	24
Trichloroethene	<0.126		1.27	1.253		mg/Kg	*	99	59 - 150	4	24
1,2,3-Trichloropropane	<0.126		1.27	1.082		mg/Kg	*	85	58 - 142	7	30
1,2,4-Trimethylbenzene	<0.126		1.27	1.117		mg/Kg	*	85	61 - 135	0	28
1,3,5-Trimethylbenzene	<0.126		1.27	1.162		mg/Kg	*	92	60 - 133	4	23
Xylenes, Total	<0.188		2.54	2.379		mg/Kg	*	94	64 - 138	5	26

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		79 - 119
Dibromofluoromethane (Surr)	102		75 - 115
Toluene-d8 (Surr)	97		78 - 118

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL)

Lab Sample ID: MB 310-179017/1-A

Matrix: Solid

Analysis Batch: 179476

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179017

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Methylnaphthalene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Acenaphthene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Acenaphthylene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Anthracene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Benzo[a]anthracene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Benzo[a]pyrene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Benzo[b]fluoranthene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Benzo[g,h,i]perylene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Benzo[k]fluoranthene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Chrysene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Dibenz(a,h)anthracene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Fluoranthene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Fluorene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Indeno[1,2,3-cd]pyrene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Naphthalene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Phenanthrene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1
Pyrene	<0.00912		0.00912		mg/Kg		09/15/17 18:20	09/21/17 02:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	80		32 - 110	09/15/17 18:20	09/21/17 02:19	1
Nitrobenzene-d5 (Surr)	85		15 - 113	09/15/17 18:20	09/21/17 02:19	1
Terphenyl-d14 (Surr)	89		31 - 110	09/15/17 18:20	09/21/17 02:19	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: LCS 310-179017/2-A

Matrix: Solid

Analysis Batch: 179476

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179017

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.183	0.1322		mg/Kg		72	18 - 110
Acenaphthene	0.183	0.1279		mg/Kg		70	19 - 110
Acenaphthylene	0.183	0.1373		mg/Kg		75	19 - 110
Anthracene	0.183	0.1458		mg/Kg		80	25 - 110
Benzo[a]anthracene	0.183	0.1388		mg/Kg		76	39 - 110
Benzo[a]pyrene	0.183	0.1600		mg/Kg		87	38 - 110
Benzo[b]fluoranthene	0.183	0.1604		mg/Kg		88	40 - 110
Benzo[g,h,i]perylene	0.183	0.1043		mg/Kg		57	23 - 110
Benzo[k]fluoranthene	0.183	0.1533		mg/Kg		84	37 - 110
Chrysene	0.183	0.1379		mg/Kg		75	36 - 110
Dibenz(a,h)anthracene	0.183	0.1536		mg/Kg		84	10 - 110
Fluoranthene	0.183	0.1445		mg/Kg		79	37 - 110
Fluorene	0.183	0.1329		mg/Kg		73	21 - 110
Indeno[1,2,3-cd]pyrene	0.183	0.1499		mg/Kg		82	37 - 110
Naphthalene	0.183	0.1217		mg/Kg		66	16 - 110
Phenanthrene	0.183	0.1329		mg/Kg		73	25 - 110
Pyrene	0.183	0.1435		mg/Kg		78	34 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	78		32 - 110
Nitrobenzene-d5 (Surr)	83		15 - 113
Terphenyl-d14 (Surr)	84		31 - 110

Lab Sample ID: 310-114352-12 MS

Matrix: Soil

Analysis Batch: 179476

Client Sample ID: GP13 (13-15')

Prep Type: Total/NA

Prep Batch: 179017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	<0.0125		0.247	0.1567		mg/Kg	*	63	18 - 110
Acenaphthene	<0.0125		0.247	0.1463		mg/Kg	*	59	19 - 110
Acenaphthylene	<0.0125		0.247	0.1582		mg/Kg	*	64	19 - 110
Anthracene	<0.0125		0.247	0.1561		mg/Kg	*	63	25 - 110
Benzo[a]anthracene	<0.0125		0.247	0.1481		mg/Kg	*	60	33 - 110
Benzo[a]pyrene	<0.0125		0.247	0.1704		mg/Kg	*	69	31 - 110
Benzo[b]fluoranthene	<0.0125		0.247	0.1692		mg/Kg	*	69	33 - 110
Benzo[g,h,i]perylene	<0.0125		0.247	0.1115		mg/Kg	*	45	13 - 110
Benzo[k]fluoranthene	<0.0125		0.247	0.1671		mg/Kg	*	68	29 - 110
Chrysene	<0.0125		0.247	0.1488		mg/Kg	*	60	29 - 110
Dibenz(a,h)anthracene	<0.0125		0.247	0.1570		mg/Kg	*	64	10 - 110
Fluoranthene	<0.0125		0.247	0.1567		mg/Kg	*	63	30 - 111
Fluorene	<0.0125		0.247	0.1517		mg/Kg	*	61	21 - 110
Indeno[1,2,3-cd]pyrene	<0.0125		0.247	0.1553		mg/Kg	*	63	28 - 110
Naphthalene	<0.0125		0.247	0.1492		mg/Kg	*	60	16 - 110
Phenanthrene	<0.0125		0.247	0.1449		mg/Kg	*	59	25 - 110
Pyrene	<0.0125		0.247	0.1571		mg/Kg	*	64	25 - 112

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: 310-114352-12 MS

Matrix: Soil

Analysis Batch: 179476

Client Sample ID: GP13 (13-15')

Prep Type: Total/NA

Prep Batch: 179017

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	61		32 - 110
Nitrobenzene-d5 (Surr)	69		15 - 113
Terphenyl-d14 (Surr)	60		31 - 110

Lab Sample ID: 310-114352-12 MSD

Matrix: Soil

Analysis Batch: 179476

Client Sample ID: GP13 (13-15')

Prep Type: Total/NA

Prep Batch: 179017

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
2-Methylnaphthalene	<0.0125		0.242	0.1652		mg/Kg	*	68	18 - 110	5	40	
Acenaphthene	<0.0125		0.242	0.1603		mg/Kg	*	66	19 - 110	9	40	
Acenaphthylene	<0.0125		0.242	0.1718		mg/Kg	*	71	19 - 110	8	40	
Anthracene	<0.0125		0.242	0.1774		mg/Kg	*	73	25 - 110	13	40	
Benzo[a]anthracene	<0.0125		0.242	0.1666		mg/Kg	*	69	33 - 110	12	40	
Benzo[a]pyrene	<0.0125		0.242	0.1911		mg/Kg	*	79	31 - 110	11	40	
Benzo[b]fluoranthene	<0.0125		0.242	0.1883		mg/Kg	*	78	33 - 110	11	40	
Benzo[g,h,i]perylene	<0.0125		0.242	0.1242		mg/Kg	*	51	13 - 110	11	40	
Benzo[k]fluoranthene	<0.0125		0.242	0.1845		mg/Kg	*	76	29 - 110	10	40	
Chrysene	<0.0125		0.242	0.1661		mg/Kg	*	69	29 - 110	11	40	
Dibenz(a,h)anthracene	<0.0125		0.242	0.1798		mg/Kg	*	74	10 - 110	14	40	
Fluoranthene	<0.0125		0.242	0.1783		mg/Kg	*	74	30 - 111	13	40	
Fluorene	<0.0125		0.242	0.1673		mg/Kg	*	69	21 - 110	10	40	
Indeno[1,2,3-cd]pyrene	<0.0125		0.242	0.1732		mg/Kg	*	72	28 - 110	11	40	
Naphthalene	<0.0125		0.242	0.1523		mg/Kg	*	63	16 - 110	2	40	
Phenanthrene	<0.0125		0.242	0.1623		mg/Kg	*	67	25 - 110	11	40	
Pyrene	<0.0125		0.242	0.1749		mg/Kg	*	72	25 - 112	11	40	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	70		32 - 110
Nitrobenzene-d5 (Surr)	71		15 - 113
Terphenyl-d14 (Surr)	71		31 - 110

Lab Sample ID: MB 310-179023/1-A

Matrix: Water

Analysis Batch: 179288

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179023

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
2-Methylnaphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/19/17 22:53			1
Acenaphthene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Acenaphthylene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Benzo[a]anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Benzo[a]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Benzo[b]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Benzo[g,h,i]perylene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Benzo[k]fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Chrysene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1
Dibenz(a,h)anthracene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53			1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: MB 310-179023/1-A

Matrix: Water

Analysis Batch: 179288

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53	1
Fluorene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53	1
Indeno[1,2,3-cd]pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53	1
Naphthalene	<0.500		0.500		ug/L		09/15/17 18:23	09/19/17 22:53	1
Phenanthrene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53	1
Pyrene	<0.100		0.100		ug/L		09/15/17 18:23	09/19/17 22:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	58		14 - 110	09/15/17 18:23	09/19/17 22:53	1
Nitrobenzene-d5 (Surr)	74		10 - 114	09/15/17 18:23	09/19/17 22:53	1
Terphenyl-d14 (Surr)	64		24 - 110	09/15/17 18:23	09/19/17 22:53	1

Lab Sample ID: LCS 310-179023/2-A

Matrix: Water

Analysis Batch: 179288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	2.00	1.235		ug/L		62	12 - 110
Acenaphthene	2.00	1.319		ug/L		66	17 - 110
Acenaphthylene	2.00	1.371		ug/L		69	18 - 110
Anthracene	2.00	1.490		ug/L		74	20 - 110
Benzo[a]anthracene	2.00	1.500		ug/L		75	28 - 111
Benzo[a]pyrene	2.00	1.611		ug/L		81	26 - 110
Benzo[b]fluoranthene	2.00	1.673		ug/L		84	27 - 111
Benzo[g,h,i]perylene	2.00	0.8726		ug/L		44	14 - 110
Benzo[k]fluoranthene	2.00	1.614		ug/L		81	25 - 110
Chrysene	2.00	1.477		ug/L		74	25 - 110
Dibenz(a,h)anthracene	2.00	1.115		ug/L		56	10 - 110
Fluoranthene	2.00	1.569		ug/L		78	26 - 110
Fluorene	2.00	1.390		ug/L		69	17 - 110
Indeno[1,2,3-cd]pyrene	2.00	1.349		ug/L		67	27 - 110
Naphthalene	2.00	1.177		ug/L		59	12 - 110
Phenanthrene	2.00	1.421		ug/L		71	22 - 110
Pyrene	2.00	1.542		ug/L		77	23 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	61		14 - 110
Nitrobenzene-d5 (Surr)	69		10 - 114
Terphenyl-d14 (Surr)	72		24 - 110

Lab Sample ID: LCSD 310-179023/3-A

Matrix: Water

Analysis Batch: 179288

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 179023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Methylnaphthalene	2.00	1.099		ug/L		55	12 - 110	12	35
Acenaphthene	2.00	1.170		ug/L		58	17 - 110	12	35
Acenaphthylene	2.00	1.243		ug/L		62	18 - 110	10	35

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: LCSD 310-179023/3-A
Matrix: Water
Analysis Batch: 179288

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 179023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Anthracene	2.00	1.389		ug/L		69	20 - 110	7	35
Benzo[a]anthracene	2.00	1.403		ug/L		70	28 - 111	7	35
Benzo[a]pyrene	2.00	1.514		ug/L		76	26 - 110	6	35
Benzo[b]fluoranthene	2.00	1.620		ug/L		81	27 - 111	3	35
Benzo[g,h,i]perylene	2.00	0.7687		ug/L		38	14 - 110	13	35
Benzo[k]fluoranthene	2.00	1.523		ug/L		76	25 - 110	6	35
Chrysene	2.00	1.401		ug/L		70	25 - 110	5	35
Dibenz(a,h)anthracene	2.00	1.011		ug/L		51	10 - 110	10	35
Fluoranthene	2.00	1.428		ug/L		71	26 - 110	9	35
Fluorene	2.00	1.258		ug/L		63	17 - 110	10	35
Indeno[1,2,3-cd]pyrene	2.00	1.129		ug/L		56	27 - 110	18	35
Naphthalene	2.00	1.031		ug/L		52	12 - 110	13	35
Phenanthrene	2.00	1.339		ug/L		67	22 - 110	6	35
Pyrene	2.00	1.425		ug/L		71	23 - 110	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	61		14 - 110
Nitrobenzene-d5 (Surr)	75		10 - 114
Terphenyl-d14 (Surr)	80		24 - 110

Lab Sample ID: MB 310-179159/1-A
Matrix: Solid
Analysis Batch: 179288

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 179159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Acenaphthene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Acenaphthylene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Anthracene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Benzo[a]anthracene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Benzo[a]pyrene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Benzo[b]fluoranthene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Benzo[g,h,i]perylene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Benzo[k]fluoranthene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Chrysene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Dibenz(a,h)anthracene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Fluoranthene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Fluorene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Indeno[1,2,3-cd]pyrene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Naphthalene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Phenanthrene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1
Pyrene	<0.00929		0.00929		mg/Kg		09/18/17 12:59	09/19/17 15:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		32 - 110	09/18/17 12:59	09/19/17 15:30	1
Nitrobenzene-d5 (Surr)	73		15 - 113	09/18/17 12:59	09/19/17 15:30	1
Terphenyl-d14 (Surr)	87		31 - 110	09/18/17 12:59	09/19/17 15:30	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: LCS 310-179159/2-A

Matrix: Solid

Analysis Batch: 179288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 179159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.194	0.1571		mg/Kg		81	18 - 110
Acenaphthene	0.194	0.1524		mg/Kg		78	19 - 110
Acenaphthylene	0.194	0.1603		mg/Kg		82	19 - 110
Anthracene	0.194	0.1703		mg/Kg		88	25 - 110
Benzo[a]anthracene	0.194	0.1581		mg/Kg		81	39 - 110
Benzo[a]pyrene	0.194	0.1793		mg/Kg		92	38 - 110
Benzo[b]fluoranthene	0.194	0.1774		mg/Kg		91	40 - 110
Benzo[g,h,i]perylene	0.194	0.1204		mg/Kg		62	23 - 110
Benzo[k]fluoranthene	0.194	0.1857		mg/Kg		96	37 - 110
Chrysene	0.194	0.1657		mg/Kg		85	36 - 110
Dibenz(a,h)anthracene	0.194	0.1761		mg/Kg		91	10 - 110
Fluoranthene	0.194	0.1723		mg/Kg		89	37 - 110
Fluorene	0.194	0.1629		mg/Kg		84	21 - 110
Indeno[1,2,3-cd]pyrene	0.194	0.1703		mg/Kg		88	37 - 110
Naphthalene	0.194	0.1426		mg/Kg		73	16 - 110
Phenanthrene	0.194	0.1561		mg/Kg		80	25 - 110
Pyrene	0.194	0.1711		mg/Kg		88	34 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	84		32 - 110
Nitrobenzene-d5 (Surr)	86		15 - 113
Terphenyl-d14 (Surr)	89		31 - 110

Lab Sample ID: 310-114352-18 MS

Matrix: Soil

Analysis Batch: 179350

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	<0.0118		0.252	0.1866		mg/Kg	*	74	18 - 110
Acenaphthene	<0.0118		0.252	0.1524		mg/Kg	*	60	19 - 110
Acenaphthylene	<0.0118		0.252	0.1547		mg/Kg	*	61	19 - 110
Anthracene	<0.0118		0.252	0.1744		mg/Kg	*	69	25 - 110
Benzo[a]anthracene	<0.0118		0.252	0.1561		mg/Kg	*	62	33 - 110
Benzo[a]pyrene	<0.0118		0.252	0.1746		mg/Kg	*	69	31 - 110
Benzo[b]fluoranthene	<0.0118		0.252	0.1807		mg/Kg	*	69	33 - 110
Benzo[g,h,i]perylene	<0.0118		0.252	0.1031		mg/Kg	*	41	13 - 110
Benzo[k]fluoranthene	<0.0118		0.252	0.1789		mg/Kg	*	70	29 - 110
Chrysene	<0.0118		0.252	0.1572		mg/Kg	*	62	29 - 110
Dibenz(a,h)anthracene	<0.0118		0.252	0.1446		mg/Kg	*	56	10 - 110
Fluoranthene	<0.0118		0.252	0.1748		mg/Kg	*	69	30 - 111
Fluorene	<0.0118		0.252	0.1612		mg/Kg	*	64	21 - 110
Indeno[1,2,3-cd]pyrene	<0.0118		0.252	0.1446		mg/Kg	*	57	28 - 110
Naphthalene	<0.0118		0.252	0.2073		mg/Kg	*	82	16 - 110
Phenanthrene	<0.0118		0.252	0.1878		mg/Kg	*	74	25 - 110
Pyrene	<0.0118		0.252	0.1729		mg/Kg	*	69	25 - 112

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: 310-114352-18 MS

Matrix: Soil

Analysis Batch: 179350

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179159

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	59		32 - 110
Nitrobenzene-d5 (Surr)	66		15 - 113
Terphenyl-d14 (Surr)	61		31 - 110

Lab Sample ID: 310-114352-18 MSD

Matrix: Soil

Analysis Batch: 179350

Client Sample ID: GP7 (14-16)

Prep Type: Total/NA

Prep Batch: 179159

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	
	Result	Qualifier		Result	Qualifier				Limits	RPD	Limit	
2-Methylnaphthalene	<0.0118		0.245	0.1746		mg/Kg	*	71	18 - 110	7	40	
Acenaphthene	<0.0118		0.245	0.1543		mg/Kg	*	63	19 - 110	1	40	
Acenaphthylene	<0.0118		0.245	0.1635		mg/Kg	*	67	19 - 110	6	40	
Anthracene	<0.0118		0.245	0.1556		mg/Kg	*	64	25 - 110	11	40	
Benzo[a]anthracene	<0.0118		0.245	0.1338		mg/Kg	*	55	33 - 110	15	40	
Benzo[a]pyrene	<0.0118		0.245	0.1503		mg/Kg	*	61	31 - 110	15	40	
Benzo[b]fluoranthene	<0.0118		0.245	0.1548		mg/Kg	*	61	33 - 110	15	40	
Benzo[g,h,i]perylene	<0.0118		0.245	0.08365		mg/Kg	*	34	13 - 110	21	40	
Benzo[k]fluoranthene	<0.0118		0.245	0.1544		mg/Kg	*	62	29 - 110	15	40	
Chrysene	<0.0118		0.245	0.1340		mg/Kg	*	54	29 - 110	16	40	
Dibenz(a,h)anthracene	<0.0118		0.245	0.1232		mg/Kg	*	49	10 - 110	16	40	
Fluoranthene	<0.0118		0.245	0.1506		mg/Kg	*	62	30 - 111	15	40	
Fluorene	<0.0118		0.245	0.1557		mg/Kg	*	64	21 - 110	3	40	
Indeno[1,2,3-cd]pyrene	<0.0118		0.245	0.1272		mg/Kg	*	52	28 - 110	13	40	
Naphthalene	<0.0118		0.245	0.1636		mg/Kg	*	67	16 - 110	24	40	
Phenanthrene	<0.0118		0.245	0.1419		mg/Kg	*	58	25 - 110	28	40	
Pyrene	<0.0118		0.245	0.1482		mg/Kg	*	61	25 - 112	15	40	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2-Fluorobiphenyl (Surr)	67		32 - 110
Nitrobenzene-d5 (Surr)	81		15 - 113
Terphenyl-d14 (Surr)	57		31 - 110

Lab Sample ID: MB 310-179318/1-A

Matrix: Solid

Analysis Batch: 179449

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 179318

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
2-Methylnaphthalene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Acenaphthene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Acenaphthylene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Anthracene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Benzo[a]anthracene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Benzo[a]pyrene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Benzo[b]fluoranthene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Benzo[g,h,i]perylene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Benzo[k]fluoranthene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Chrysene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1
Dibenz(a,h)anthracene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43			1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: MB 310-179318/1-A
Matrix: Solid
Analysis Batch: 179449

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 179318

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43	1
Fluorene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43	1
Indeno[1,2,3-cd]pyrene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43	1
Naphthalene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43	1
Phenanthrene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43	1
Pyrene	<0.00965		0.00965		mg/Kg		09/19/17 12:43	09/20/17 13:43	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		32 - 110	09/19/17 12:43	09/20/17 13:43	1
Nitrobenzene-d5 (Surr)	58		15 - 113	09/19/17 12:43	09/20/17 13:43	1
Terphenyl-d14 (Surr)	78		31 - 110	09/19/17 12:43	09/20/17 13:43	1

Lab Sample ID: LCS 310-179318/2-A
Matrix: Solid
Analysis Batch: 179449

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 179318

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.196	0.1372		mg/Kg		70	18 - 110
Acenaphthene	0.196	0.1356		mg/Kg		69	19 - 110
Acenaphthylene	0.196	0.1482		mg/Kg		76	19 - 110
Anthracene	0.196	0.1487		mg/Kg		76	25 - 110
Benzo[a]anthracene	0.196	0.1460		mg/Kg		75	39 - 110
Benzo[a]pyrene	0.196	0.1674		mg/Kg		85	38 - 110
Benzo[b]fluoranthene	0.196	0.1656		mg/Kg		85	40 - 110
Benzo[g,h,i]perylene	0.196	0.1139		mg/Kg		58	23 - 110
Benzo[k]fluoranthene	0.196	0.1583		mg/Kg		81	37 - 110
Chrysene	0.196	0.1432		mg/Kg		73	36 - 110
Dibenz(a,h)anthracene	0.196	0.1657		mg/Kg		85	10 - 110
Fluoranthene	0.196	0.1432		mg/Kg		73	37 - 110
Fluorene	0.196	0.1411		mg/Kg		72	21 - 110
Indeno[1,2,3-cd]pyrene	0.196	0.1655		mg/Kg		84	37 - 110
Naphthalene	0.196	0.1257		mg/Kg		64	16 - 110
Phenanthrene	0.196	0.1337		mg/Kg		68	25 - 110
Pyrene	0.196	0.1403		mg/Kg		72	34 - 110

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	69		32 - 110
Nitrobenzene-d5 (Surr)	67		15 - 113
Terphenyl-d14 (Surr)	68		31 - 110

Lab Sample ID: 310-114352-28 MS
Matrix: Soil
Analysis Batch: 179449

Client Sample ID: GP9 (0-2')
Prep Type: Total/NA
Prep Batch: 179318

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Methylnaphthalene	0.450		0.224	0.5177		mg/Kg	☼	30	18 - 110
Acenaphthene	<0.112		0.224	0.1588		mg/Kg	☼	71	19 - 110
Acenaphthylene	<0.112		0.224	0.1700		mg/Kg	☼	59	19 - 110

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 8270D SIM - Semivolatile Organic Compound (GC/MS SIM LL) (Continued)

Lab Sample ID: 310-114352-28 MS

Matrix: Soil

Analysis Batch: 179449

Client Sample ID: GP9 (0-2')

Prep Type: Total/NA

Prep Batch: 179318

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Anthracene	<0.112		0.224	0.1873		mg/Kg	☼	53	25 - 110
Benzo[a]anthracene	0.321	F1	0.224	0.3531	F1	mg/Kg	☼	14	33 - 110
Benzo[a]pyrene	0.367	F1	0.224	0.3728	F1	mg/Kg	☼	3	31 - 110
Benzo[b]fluoranthene	0.632	F1	0.224	0.5303	F1	mg/Kg	☼	-45	33 - 110
Benzo[g,h,i]perylene	0.285	F1	0.224	0.2677	F1	mg/Kg	☼	-8	13 - 110
Benzo[k]fluoranthene	0.216	F1	0.224	0.2644	F1	mg/Kg	☼	22	29 - 110
Chrysene	0.366	F1	0.224	0.3853	F1	mg/Kg	☼	8	29 - 110
Dibenz(a,h)anthracene	<0.112		0.224	0.1399		mg/Kg	☼	32	10 - 110
Fluoranthene	0.537	F1	0.224	0.5645	F1	mg/Kg	☼	12	30 - 111
Fluorene	<0.112		0.224	0.1821		mg/Kg	☼	81	21 - 110
Indeno[1,2,3-cd]pyrene	0.317	F1	0.224	0.2804	F1	mg/Kg	☼	-17	28 - 110
Naphthalene	0.322		0.224	0.3953		mg/Kg	☼	33	16 - 110
Phenanthrene	0.415	F1	0.224	0.4875		mg/Kg	☼	33	25 - 110
Pyrene	0.461	F1	0.224	0.4978	F1	mg/Kg	☼	17	25 - 112

Surrogate	MS %Recovery	MS Qualifier	Limits
2-Fluorobiphenyl (Surr)	57		32 - 110
Nitrobenzene-d5 (Surr)	54		15 - 113
Terphenyl-d14 (Surr)	57		31 - 110

Lab Sample ID: 310-114352-28 MSD

Matrix: Soil

Analysis Batch: 179449

Client Sample ID: GP9 (0-2')

Prep Type: Total/NA

Prep Batch: 179318

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
	Result	Qualifier	Added	Result	Qualifier						
2-Methylnaphthalene	0.450		0.239	0.6814		mg/Kg	☼	97	18 - 110	27	40
Acenaphthene	<0.112		0.239	0.2170		mg/Kg	☼	91	19 - 110	31	40
Acenaphthylene	<0.112		0.239	0.2544		mg/Kg	☼	90	19 - 110	40	40
Anthracene	<0.112		0.239	0.2615		mg/Kg	☼	80	25 - 110	33	40
Benzo[a]anthracene	0.321	F1	0.239	0.4643		mg/Kg	☼	60	33 - 110	27	40
Benzo[a]pyrene	0.367	F1	0.239	0.4920		mg/Kg	☼	52	31 - 110	28	40
Benzo[b]fluoranthene	0.632	F1	0.239	0.7423		mg/Kg	☼	46	33 - 110	33	40
Benzo[g,h,i]perylene	0.285	F1	0.239	0.3730		mg/Kg	☼	37	13 - 110	33	40
Benzo[k]fluoranthene	0.216	F1	0.239	0.3546		mg/Kg	☼	58	29 - 110	29	40
Chrysene	0.366	F1	0.239	0.4962		mg/Kg	☼	54	29 - 110	25	40
Dibenz(a,h)anthracene	<0.112		0.239	0.1889		mg/Kg	☼	50	10 - 110	30	40
Fluoranthene	0.537	F1	0.239	0.7607		mg/Kg	☼	94	30 - 111	30	40
Fluorene	<0.112		0.239	0.2476		mg/Kg	☼	104	21 - 110	31	40
Indeno[1,2,3-cd]pyrene	0.317	F1	0.239	0.4062		mg/Kg	☼	37	28 - 110	37	40
Naphthalene	0.322		0.239	0.5240		mg/Kg	☼	84	16 - 110	28	40
Phenanthrene	0.415	F1	0.239	0.6931	F1	mg/Kg	☼	116	25 - 110	35	40
Pyrene	0.461	F1	0.239	0.6800		mg/Kg	☼	92	25 - 112	31	40

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	74		32 - 110
Nitrobenzene-d5 (Surr)	71		15 - 113
Terphenyl-d14 (Surr)	73		31 - 110

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-179010/1-A
Matrix: Solid
Analysis Batch: 179575

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 179010

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
PCB-1221	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
PCB-1232	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
PCB-1242	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
PCB-1248	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
PCB-1254	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
PCB-1260	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
PCB-1268	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1
Polychlorinated biphenyls, Total	<0.0495		0.0495		mg/Kg		09/15/17 16:23	09/21/17 10:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl (Surr)	76		10 - 110	09/15/17 16:23	09/21/17 10:05	1
Tetrachloro-m-xylene	72		10 - 110	09/15/17 16:23	09/21/17 10:05	1

Lab Sample ID: LCS 310-179010/2-A
Matrix: Solid
Analysis Batch: 179575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 179010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.196	0.1141		mg/Kg		58	26 - 127
PCB-1260	0.196	0.1185		mg/Kg		61	19 - 131

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl (Surr)	66		10 - 110
Tetrachloro-m-xylene	62		10 - 110

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 310-178994/1-A
Matrix: Solid
Analysis Batch: 179264

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178994

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3.02		3.02		mg/Kg		09/18/17 10:00	09/18/17 18:34	1
Barium	<0.377		0.377		mg/Kg		09/18/17 10:00	09/18/17 18:34	1
Cadmium	<0.755		0.755		mg/Kg		09/18/17 10:00	09/18/17 18:34	1
Chromium	<0.755		0.755		mg/Kg		09/18/17 10:00	09/18/17 18:34	1
Lead	<3.77		3.77		mg/Kg		09/18/17 10:00	09/18/17 18:34	1
Selenium	<5.66		5.66		mg/Kg		09/18/17 10:00	09/18/17 18:34	1
Silver	<0.755		0.755		mg/Kg		09/18/17 10:00	09/18/17 18:34	1

Lab Sample ID: LCS 310-178994/2-A
Matrix: Solid
Analysis Batch: 179264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	158	157.7		mg/Kg		100	80 - 120

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 310-178994/2-A
Matrix: Solid
Analysis Batch: 179264

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178994

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	79.2	77.79		mg/Kg		98	80 - 120
Cadmium	79.2	77.17		mg/Kg		97	80 - 120
Chromium	79.2	77.29		mg/Kg		98	80 - 120
Lead	158	159.3		mg/Kg		101	80 - 120
Selenium	317	311.2		mg/Kg		98	80 - 120
Silver	79.2	82.01		mg/Kg		104	80 - 120

Lab Sample ID: 310-114352-12 MS
Matrix: Soil
Analysis Batch: 179264

Client Sample ID: GP13 (13-15')
Prep Type: Total/NA
Prep Batch: 178994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	8.89		179	178.4		mg/Kg	*	95	75 - 125
Barium	178	F1	89.3	258.8		mg/Kg	*	91	75 - 125
Cadmium	<1.81		89.3	83.36		mg/Kg	*	92	75 - 125
Chromium	26.1		89.3	108.7		mg/Kg	*	93	75 - 125
Lead	10.3		179	173.2		mg/Kg	*	91	75 - 125
Selenium	<13.6		357	343.5		mg/Kg	*	96	75 - 125
Silver	<1.81		89.3	93.97		mg/Kg	*	105	75 - 125

Lab Sample ID: 310-114352-12 MSD
Matrix: Soil
Analysis Batch: 179264

Client Sample ID: GP13 (13-15')
Prep Type: Total/NA
Prep Batch: 178994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	8.89		179	169.7		mg/Kg	*	90	75 - 125	5	20
Barium	178	F1	89.4	242.2	F1	mg/Kg	*	72	75 - 125	7	20
Cadmium	<1.81		89.4	80.46		mg/Kg	*	89	75 - 125	4	20
Chromium	26.1		89.4	100.0		mg/Kg	*	83	75 - 125	8	20
Lead	10.3		179	165.6		mg/Kg	*	87	75 - 125	4	20
Selenium	<13.6		358	321.6		mg/Kg	*	90	75 - 125	7	20
Silver	<1.81		89.4	89.20		mg/Kg	*	100	75 - 125	5	20

Lab Sample ID: MB 310-178996/1-A
Matrix: Solid
Analysis Batch: 179265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178996

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3.25		3.25		mg/Kg		09/18/17 10:00	09/18/17 22:27	1
Barium	<0.406		0.406		mg/Kg		09/18/17 10:00	09/18/17 22:27	1
Cadmium	<0.812		0.812		mg/Kg		09/18/17 10:00	09/18/17 22:27	1
Chromium	<0.812		0.812		mg/Kg		09/18/17 10:00	09/18/17 22:27	1
Lead	<4.06		4.06		mg/Kg		09/18/17 10:00	09/18/17 22:27	1
Selenium	<6.09		6.09		mg/Kg		09/18/17 10:00	09/18/17 22:27	1
Silver	<0.812		0.812		mg/Kg		09/18/17 10:00	09/18/17 22:27	1

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 310-178996/2-A
Matrix: Solid
Analysis Batch: 179265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178996

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	155	148.6		mg/Kg		96	80 - 120
Barium	77.6	73.98		mg/Kg		95	80 - 120
Cadmium	77.6	73.52		mg/Kg		95	80 - 120
Chromium	77.6	74.41		mg/Kg		96	80 - 120
Lead	155	151.5		mg/Kg		98	80 - 120
Selenium	310	292.2		mg/Kg		94	80 - 120
Silver	77.6	79.41		mg/Kg		102	80 - 120

Lab Sample ID: 310-114352-18 MS
Matrix: Soil
Analysis Batch: 179395

Client Sample ID: GP7 (14-16)
Prep Type: Total/NA
Prep Batch: 178996

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	<7.67		186	167.6		mg/Kg	☼	90	75 - 125
Barium	165		93.1	238.7		mg/Kg	☼	80	75 - 125
Cadmium	<1.92		93.1	76.77		mg/Kg	☼	82	75 - 125
Chromium	30.8		93.1	107.2		mg/Kg	☼	82	75 - 125
Lead	11.5		186	165.3		mg/Kg	☼	83	75 - 125
Selenium	<14.4		372	314.7		mg/Kg	☼	85	75 - 125
Silver	<1.92		93.1	89.17		mg/Kg	☼	96	75 - 125

Lab Sample ID: 310-114352-18 MSD
Matrix: Soil
Analysis Batch: 179395

Client Sample ID: GP7 (14-16)
Prep Type: Total/NA
Prep Batch: 178996

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Arsenic	<7.67		193	179.0		mg/Kg	☼	93	75 - 125	7	20
Barium	165		96.4	251.0		mg/Kg	☼	90	75 - 125	5	20
Cadmium	<1.92		96.4	80.27		mg/Kg	☼	83	75 - 125	4	20
Chromium	30.8		96.4	113.9		mg/Kg	☼	86	75 - 125	6	20
Lead	11.5		193	173.4		mg/Kg	☼	84	75 - 125	5	20
Selenium	<14.4		386	331.9		mg/Kg	☼	86	75 - 125	5	20
Silver	<1.92		96.4	94.20		mg/Kg	☼	98	75 - 125	5	20

Lab Sample ID: 310-114352-28 DU
Matrix: Soil
Analysis Batch: 179395

Client Sample ID: GP9 (0-2')
Prep Type: Total/NA
Prep Batch: 178996

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	<10.9		<11.2		mg/Kg	☼	NC	20
Barium	357		410.8		mg/Kg	☼	14	20
Cadmium	4.29		<2.81		mg/Kg	☼	NC	20
Chromium	21.6		16.89	F3	mg/Kg	☼	24	20
Lead	304		276.4		mg/Kg	☼	10	20
Selenium	<20.4		<21.1		mg/Kg	☼	NC	20
Silver	<2.72		<2.81		mg/Kg	☼	NC	20

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 310-178998/1-A
Matrix: Solid
Analysis Batch: 179265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 178998

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<3.83		3.83		mg/Kg		09/18/17 10:00	09/18/17 21:24	1
Barium	<0.478		0.478		mg/Kg		09/18/17 10:00	09/18/17 21:24	1
Cadmium	<0.957		0.957		mg/Kg		09/18/17 10:00	09/18/17 21:24	1
Chromium	<0.957		0.957		mg/Kg		09/18/17 10:00	09/18/17 21:24	1
Lead	<4.78		4.78		mg/Kg		09/18/17 10:00	09/18/17 21:24	1
Selenium	<7.18		7.18		mg/Kg		09/18/17 10:00	09/18/17 21:24	1
Silver	<0.957		0.957		mg/Kg		09/18/17 10:00	09/18/17 21:24	1

Lab Sample ID: LCS 310-178998/2-A
Matrix: Solid
Analysis Batch: 179265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 178998

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	187	180.3		mg/Kg		97	80 - 120
Barium	93.4	89.88		mg/Kg		96	80 - 120
Cadmium	93.4	89.75		mg/Kg		96	80 - 120
Chromium	93.4	89.03		mg/Kg		95	80 - 120
Lead	187	183.9		mg/Kg		98	80 - 120
Selenium	373	356.3		mg/Kg		95	80 - 120
Silver	93.4	95.25		mg/Kg		102	80 - 120

Lab Sample ID: 310-114352-37 DU
Matrix: Soil
Analysis Batch: 179395

Client Sample ID: GP4 (7-9')
Prep Type: Total/NA
Prep Batch: 178998

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Arsenic	<7.13		<7.64		mg/Kg	☼	NC	20
Barium	166		172.9		mg/Kg	☼	4	20
Cadmium	<1.78		<1.91		mg/Kg	☼	NC	20
Chromium	30.7		32.28		mg/Kg	☼	5	20
Lead	11.6		11.99		mg/Kg	☼	3	20
Selenium	<13.4		<14.3		mg/Kg	☼	NC	20
Silver	<1.78		<1.91		mg/Kg	☼	NC	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 310-178988/1-B
Matrix: Water
Analysis Batch: 180102

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 179071

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00200		0.00200		mg/L		09/18/17 07:52	09/25/17 21:16	1
Cadmium	<0.000500		0.000500		mg/L		09/18/17 07:52	09/25/17 21:16	1
Chromium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:16	1
Lead	<0.000500		0.000500		mg/L		09/18/17 07:52	09/25/17 21:16	1
Selenium	<0.00500		0.00500		mg/L		09/18/17 07:52	09/25/17 21:16	1
Silver	<0.00100		0.00100		mg/L		09/18/17 07:52	09/25/17 21:16	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

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

Lab Sample ID: MB 310-178988/1-B
 Matrix: Water
 Analysis Batch: 180274

Client Sample ID: Method Blank
 Prep Type: Dissolved
 Prep Batch: 179071

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.00200		0.00200		mg/L		09/18/17 07:52	09/26/17 13:50	1

Lab Sample ID: LCS 310-178988/2-B
 Matrix: Water
 Analysis Batch: 180102

Client Sample ID: Lab Control Sample
 Prep Type: Dissolved
 Prep Batch: 179071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	0.0400	0.04440		mg/L		111	80 - 120
Cadmium	0.0200	0.02125		mg/L		106	80 - 120
Chromium	0.0400	0.04126		mg/L		103	80 - 120
Lead	0.0200	0.02179		mg/L		109	80 - 120
Selenium	0.0400	0.03957		mg/L		99	80 - 120
Silver	0.0200	0.02145		mg/L		107	80 - 120

Lab Sample ID: LCS 310-178988/2-B
 Matrix: Water
 Analysis Batch: 180274

Client Sample ID: Lab Control Sample
 Prep Type: Dissolved
 Prep Batch: 179071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0400	0.04188		mg/L		105	80 - 120

Lab Sample ID: 310-114352-48 DU
 Matrix: Ground Water
 Analysis Batch: 180102

Client Sample ID: TW18 (01)
 Prep Type: Dissolved
 Prep Batch: 179071

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Barium	0.833		0.8098		mg/L		3	20
Cadmium	<0.000500		<0.000500		mg/L		NC	20
Chromium	<0.00500		<0.00500		mg/L		NC	20
Lead	0.00105		0.001043		mg/L		0.3	20
Selenium	<0.00500		<0.00500		mg/L		NC	20
Silver	<0.00100		<0.00100		mg/L		NC	20

Lab Sample ID: 310-114352-48 DU
 Matrix: Ground Water
 Analysis Batch: 180274

Client Sample ID: TW18 (01)
 Prep Type: Dissolved
 Prep Batch: 179071

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.0422		0.04161		mg/L		2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 310-178989/1-B
 Matrix: Water
 Analysis Batch: 179339

Client Sample ID: Method Blank
 Prep Type: Dissolved
 Prep Batch: 179154

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000200		0.000200		mg/L		09/18/17 12:48	09/19/17 12:56	1

TestAmerica Cedar Falls

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 310-178989/2-B
 Matrix: Water
 Analysis Batch: 179339

Client Sample ID: Lab Control Sample
 Prep Type: Dissolved
 Prep Batch: 179154

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00167	0.001432		mg/L		86	80 - 120

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 310-179325/1-A
 Matrix: Solid
 Analysis Batch: 179504

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 179325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0189		0.0189		mg/Kg		09/19/17 12:57	09/20/17 13:10	1

Lab Sample ID: LCS 310-179325/2-A
 Matrix: Solid
 Analysis Batch: 179504

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 179325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.130	0.1306		mg/Kg		101	80 - 120

Lab Sample ID: 310-114352-12 MS
 Matrix: Soil
 Analysis Batch: 179504

Client Sample ID: GP13 (13-15)
 Prep Type: Total/NA
 Prep Batch: 179325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0390		0.150	0.1927		mg/Kg	✱	102	80 - 120

Lab Sample ID: 310-114352-12 MSD
 Matrix: Soil
 Analysis Batch: 179504

Client Sample ID: GP13 (13-15)
 Prep Type: Total/NA
 Prep Batch: 179325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0390		0.150	0.1962		mg/Kg	✱	105	80 - 120	2	20

Lab Sample ID: MB 310-179327/1-A
 Matrix: Solid
 Analysis Batch: 179504

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 179327

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0197		0.0197		mg/Kg		09/19/17 12:58	09/20/17 13:58	1

Lab Sample ID: LCS 310-179327/2-A
 Matrix: Solid
 Analysis Batch: 179504

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 179327

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.148	0.1634		mg/Kg		110	80 - 120

QC Sample Results

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 310-114352-18 MS
Matrix: Soil
Analysis Batch: 179504

Client Sample ID: GP7 (14-16)
Prep Type: Total/NA
Prep Batch: 179327

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0413		0.151	0.2164		mg/Kg	☼	116	80 - 120

Lab Sample ID: 310-114352-18 MSD
Matrix: Soil
Analysis Batch: 179504

Client Sample ID: GP7 (14-16)
Prep Type: Total/NA
Prep Batch: 179327

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.0413		0.163	0.2217		mg/Kg	☼	111	80 - 120	2	20

Lab Sample ID: MB 310-179329/1-A
Matrix: Solid
Analysis Batch: 179504

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 179329

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.0161		0.0161		mg/Kg		09/19/17 13:03	09/20/17 12:30	1

Lab Sample ID: LCS 310-179329/2-A
Matrix: Solid
Analysis Batch: 179504

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 179329

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.125	0.1443		mg/Kg		116	80 - 120

Lab Sample ID: 310-114352-39 MS
Matrix: Soil
Analysis Batch: 179504

Client Sample ID: GP5 (7-9')
Prep Type: Total/NA
Prep Batch: 179329

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0350		0.163	0.2274		mg/Kg	☼	118	80 - 120

Lab Sample ID: 310-114352-39 MSD
Matrix: Soil
Analysis Batch: 179504

Client Sample ID: GP5 (7-9')
Prep Type: Total/NA
Prep Batch: 179329

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.0350		0.158	0.2157		mg/Kg	☼	114	80 - 120	5	20

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

GC/MS VOA

Analysis Batch: 178884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-47	TW17 (01)	Total/NA	Ground Water	8260C	
310-114352-48	TW18 (01)	Total/NA	Ground Water	8260C	
310-114352-49	TW15 (01)	Total/NA	Ground Water	8260C	
310-114352-50	TW9 (01)	Total/NA	Ground Water	8260C	
310-114352-51	DUP-02	Total/NA	Water	8260C	
310-114352-52	TB4	Total/NA	Water	8260C	
MB 310-178884/8	Method Blank	Total/NA	Water	8260C	
LCS 310-178884/6	Lab Control Sample	Total/NA	Water	8260C	
LCS 310-178884/7	Lab Control Sample	Total/NA	Water	8260C	

Prep Batch: 179055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	5035	
310-114352-2	GP17 (15-16')	Total/NA	Soil	5035	
310-114352-3	GP18 (0-2')	Total/NA	Soil	5035	
310-114352-4	GP18 (12-14')	Total/NA	Soil	5035	
310-114352-5	GP12 (0-2')	Total/NA	Soil	5035	
310-114352-6	GP12 (16-17')	Total/NA	Soil	5035	
310-114352-7	GP16 (0-2')	Total/NA	Soil	5035	
310-114352-12	GP13 (13-15')	Total/NA	Soil	5035	
MB 310-179055/1-A	Method Blank	Total/NA	Solid	5035	
LCS 310-179055/2-A	Lab Control Sample	Total/NA	Solid	5035	
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	5035	
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	5035	

Analysis Batch: 179057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	8260C	179055
310-114352-2	GP17 (15-16')	Total/NA	Soil	8260C	179055
310-114352-3	GP18 (0-2')	Total/NA	Soil	8260C	179055
310-114352-4	GP18 (12-14')	Total/NA	Soil	8260C	179055
310-114352-5	GP12 (0-2')	Total/NA	Soil	8260C	179055
310-114352-6	GP12 (16-17')	Total/NA	Soil	8260C	179055
310-114352-7	GP16 (0-2')	Total/NA	Soil	8260C	179055
310-114352-12	GP13 (13-15')	Total/NA	Soil	8260C	179055
MB 310-179055/1-A	Method Blank	Total/NA	Solid	8260C	179055
LCS 310-179055/2-A	Lab Control Sample	Total/NA	Solid	8260C	179055
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	8260C	179055
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	8260C	179055

Prep Batch: 179058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-8	GP16 (12-14')	Total/NA	Soil	5035	
310-114352-9	GP14 (0-2')	Total/NA	Soil	5035	
310-114352-10	GP14 (17-19')	Total/NA	Soil	5035	
310-114352-11	GP13 (0-2')	Total/NA	Soil	5035	
310-114352-13	GP15 (2-3')	Total/NA	Soil	5035	
310-114352-14	GP15 (17-19')	Total/NA	Soil	5035	
310-114352-15	GP2 (1-2')	Total/NA	Soil	5035	
310-114352-16	GP2 (18-20')	Total/NA	Soil	5035	
310-114352-17	GP7 (0-2')	Total/NA	Soil	5035	

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

GC/MS VOA (Continued)

Prep Batch: 179058 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 310-179058/1-A	Method Blank	Total/NA	Solid	5035	
LCS 310-179058/2-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 179066

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-8	GP16 (12-14')	Total/NA	Soil	8260C	179058
310-114352-9	GP14 (0-2')	Total/NA	Soil	8260C	179058
310-114352-10	GP14 (17-19')	Total/NA	Soil	8260C	179058
310-114352-11	GP13 (0-2')	Total/NA	Soil	8260C	179058
310-114352-13	GP15 (2-3')	Total/NA	Soil	8260C	179058
310-114352-14	GP15 (17-19')	Total/NA	Soil	8260C	179058
310-114352-15	GP2 (1-2')	Total/NA	Soil	8260C	179058
310-114352-16	GP2 (18-20')	Total/NA	Soil	8260C	179058
310-114352-17	GP7 (0-2')	Total/NA	Soil	8260C	179058
MB 310-179058/1-A	Method Blank	Total/NA	Solid	8260C	179058
LCS 310-179058/2-A	Lab Control Sample	Total/NA	Solid	8260C	179058

Prep Batch: 179373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18	GP7 (14-16)	Total/NA	Soil	5035	
310-114352-19	GP6 (0-2')	Total/NA	Soil	5035	
310-114352-20	GP6 (5-6')	Total/NA	Soil	5035	
310-114352-21	GP20 (0-2')	Total/NA	Soil	5035	
310-114352-22	GP20(15-17')	Total/NA	Soil	5035	
310-114352-23	GP19 (0-2')	Total/NA	Soil	5035	
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	5035	
310-114352-25	GP19 (17-19')	Total/NA	Soil	5035	
310-114352-26	GP10 (1-2')	Total/NA	Soil	5035	
310-114352-27	GP10 (7-9')	Total/NA	Soil	5035	
310-114352-28	GP9 (0-2')	Total/NA	Soil	5035	
310-114352-29	GP9 (7-8')	Total/NA	Soil	5035	
310-114352-30	GP11 (1-2')	Total/NA	Soil	5035	
310-114352-31	GP11 (12-14')	Total/NA	Soil	5035	
310-114352-33	GP3 (7-9')	Total/NA	Soil	5035	
MB 310-179373/1-A	Method Blank	Total/NA	Solid	5035	
LCS 310-179373/2-A	Lab Control Sample	Total/NA	Solid	5035	
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	5035	
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	5035	

Analysis Batch: 179375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18	GP7 (14-16)	Total/NA	Soil	8260C	179373
310-114352-19	GP6 (0-2')	Total/NA	Soil	8260C	179373
310-114352-20	GP6 (5-6')	Total/NA	Soil	8260C	179373
310-114352-21	GP20 (0-2')	Total/NA	Soil	8260C	179373
310-114352-22	GP20(15-17')	Total/NA	Soil	8260C	179373
310-114352-23	GP19 (0-2')	Total/NA	Soil	8260C	179373
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	8260C	179373
310-114352-25	GP19 (17-19')	Total/NA	Soil	8260C	179373
310-114352-26	GP10 (1-2')	Total/NA	Soil	8260C	179373
310-114352-27	GP10 (7-9')	Total/NA	Soil	8260C	179373

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

GC/MS VOA (Continued)

Analysis Batch: 179375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-28	GP9 (0-2')	Total/NA	Soil	8260C	179373
310-114352-29	GP9 (7-8')	Total/NA	Soil	8260C	179373
310-114352-30	GP11 (1-2')	Total/NA	Soil	8260C	179373
310-114352-31	GP11 (12-14')	Total/NA	Soil	8260C	179373
310-114352-33	GP3 (7-9')	Total/NA	Soil	8260C	179373
MB 310-179373/1-A	Method Blank	Total/NA	Solid	8260C	179373
LCS 310-179373/2-A	Lab Control Sample	Total/NA	Solid	8260C	179373
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	8260C	179373
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	8260C	179373

Prep Batch: 179376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-32	GP3 (2-4')	Total/NA	Soil	5035	
310-114352-34	GP1 (0-2')	Total/NA	Soil	5035	
310-114352-35	GP1 (12-14')	Total/NA	Soil	5035	
310-114352-36	GP4 (2-3')	Total/NA	Soil	5035	
310-114352-37	GP4 (7-9')	Total/NA	Soil	5035	
310-114352-38	GP5 (0-2')	Total/NA	Soil	5035	
310-114352-39	GP5 (7-9')	Total/NA	Soil	5035	
310-114352-40	GP8 (0-2')	Total/NA	Soil	5035	
310-114352-41	GP8 (5-7')	Total/NA	Soil	5035	
310-114352-42	DUP-01	Total/NA	Soil	5035	
310-114352-43	DUP-03	Total/NA	Soil	5035	
310-114352-44	TB1	Total/NA	Solid	5035	
310-114352-45	TB2	Total/NA	Solid	5035	
310-114352-46	TB3	Total/NA	Solid	5035	
MB 310-179376/1-A	Method Blank	Total/NA	Solid	5035	
LCS 310-179376/2-A	Lab Control Sample	Total/NA	Solid	5035	
310-114352-32 MS	GP3 (2-4')	Total/NA	Soil	5035	
310-114352-32 MSD	GP3 (2-4')	Total/NA	Soil	5035	

Analysis Batch: 179384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-32	GP3 (2-4')	Total/NA	Soil	8260C	179376
310-114352-34	GP1 (0-2')	Total/NA	Soil	8260C	179376
310-114352-35	GP1 (12-14')	Total/NA	Soil	8260C	179376
310-114352-36	GP4 (2-3')	Total/NA	Soil	8260C	179376
310-114352-37	GP4 (7-9')	Total/NA	Soil	8260C	179376
310-114352-38	GP5 (0-2')	Total/NA	Soil	8260C	179376
310-114352-39	GP5 (7-9')	Total/NA	Soil	8260C	179376
310-114352-40	GP8 (0-2')	Total/NA	Soil	8260C	179376
310-114352-41	GP8 (5-7')	Total/NA	Soil	8260C	179376
310-114352-42	DUP-01	Total/NA	Soil	8260C	179376
310-114352-43	DUP-03	Total/NA	Soil	8260C	179376
310-114352-44	TB1	Total/NA	Solid	8260C	179376
310-114352-45	TB2	Total/NA	Solid	8260C	179376
310-114352-46	TB3	Total/NA	Solid	8260C	179376
MB 310-179376/1-A	Method Blank	Total/NA	Solid	8260C	179376
LCS 310-179376/2-A	Lab Control Sample	Total/NA	Solid	8260C	179376
310-114352-32 MS	GP3 (2-4')	Total/NA	Soil	8260C	179376
310-114352-32 MSD	GP3 (2-4')	Total/NA	Soil	8260C	179376

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

GC/MS Semi VOA

Prep Batch: 179017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	3546	
310-114352-2	GP17 (15-16')	Total/NA	Soil	3546	
310-114352-3	GP18 (0-2')	Total/NA	Soil	3546	
310-114352-4	GP18 (12-14')	Total/NA	Soil	3546	
310-114352-5	GP12 (0-2')	Total/NA	Soil	3546	
310-114352-6	GP12 (16-17')	Total/NA	Soil	3546	
310-114352-7	GP16 (0-2')	Total/NA	Soil	3546	
310-114352-8	GP16 (12-14')	Total/NA	Soil	3546	
310-114352-9	GP14 (0-2')	Total/NA	Soil	3546	
310-114352-10	GP14 (17-19')	Total/NA	Soil	3546	
310-114352-11	GP13 (0-2')	Total/NA	Soil	3546	
310-114352-12	GP13 (13-15')	Total/NA	Soil	3546	
310-114352-13	GP15 (2-3')	Total/NA	Soil	3546	
310-114352-14	GP15 (17-19')	Total/NA	Soil	3546	
310-114352-15	GP2 (1-2')	Total/NA	Soil	3546	
310-114352-16	GP2 (18-20')	Total/NA	Soil	3546	
310-114352-17	GP7 (0-2')	Total/NA	Soil	3546	
310-114352-19	GP6 (0-2')	Total/NA	Soil	3546	
310-114352-20	GP6 (5-6')	Total/NA	Soil	3546	
MB 310-179017/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-179017/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	3546	
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	3546	

Prep Batch: 179023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-47	TW17 (01)	Total/NA	Ground Water	3510C	
310-114352-48	TW18 (01)	Total/NA	Ground Water	3510C	
310-114352-49	TW15 (01)	Total/NA	Ground Water	3510C	
310-114352-50	TW9 (01)	Total/NA	Ground Water	3510C	
310-114352-51	DUP-02	Total/NA	Water	3510C	
MB 310-179023/1-A	Method Blank	Total/NA	Water	3510C	
LCS 310-179023/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 310-179023/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 179159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18	GP7 (14-16)	Total/NA	Soil	3546	
310-114352-21	GP20 (0-2')	Total/NA	Soil	3546	
310-114352-22	GP20(15-17')	Total/NA	Soil	3546	
310-114352-23	GP19 (0-2')	Total/NA	Soil	3546	
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	3546	
310-114352-25	GP19 (17-19')	Total/NA	Soil	3546	
310-114352-26	GP10 (1-2')	Total/NA	Soil	3546	
310-114352-27	GP10 (7-9')	Total/NA	Soil	3546	
MB 310-179159/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-179159/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	3546	
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	3546	

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

GC/MS Semi VOA (Continued)

Analysis Batch: 179288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-47	TW17 (01)	Total/NA	Ground Water	8270D SIM	179023
310-114352-48	TW18 (01)	Total/NA	Ground Water	8270D SIM	179023
310-114352-49	TW15 (01)	Total/NA	Ground Water	8270D SIM	179023
MB 310-179023/1-A	Method Blank	Total/NA	Water	8270D SIM	179023
MB 310-179159/1-A	Method Blank	Total/NA	Solid	8270D SIM	179159
LCS 310-179023/2-A	Lab Control Sample	Total/NA	Water	8270D SIM	179023
LCS 310-179159/2-A	Lab Control Sample	Total/NA	Solid	8270D SIM	179159
LCS 310-179023/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM	179023

Prep Batch: 179318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-28	GP9 (0-2')	Total/NA	Soil	3546	
310-114352-29	GP9 (7-8')	Total/NA	Soil	3546	
310-114352-30	GP11 (1-2')	Total/NA	Soil	3546	
310-114352-31	GP11 (12-14')	Total/NA	Soil	3546	
310-114352-32	GP3 (2-4')	Total/NA	Soil	3546	
310-114352-33	GP3 (7-9')	Total/NA	Soil	3546	
310-114352-34	GP1 (0-2')	Total/NA	Soil	3546	
310-114352-35	GP1 (12-14')	Total/NA	Soil	3546	
310-114352-36	GP4 (2-3')	Total/NA	Soil	3546	
310-114352-37	GP4 (7-9')	Total/NA	Soil	3546	
310-114352-38	GP5 (0-2')	Total/NA	Soil	3546	
310-114352-39	GP5 (7-9')	Total/NA	Soil	3546	
310-114352-40	GP8 (0-2')	Total/NA	Soil	3546	
310-114352-41	GP8 (5-7')	Total/NA	Soil	3546	
310-114352-42	DUP-01	Total/NA	Soil	3546	
310-114352-43	DUP-03	Total/NA	Soil	3546	
MB 310-179318/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-179318/2-A	Lab Control Sample	Total/NA	Solid	3546	
310-114352-28 MS	GP9 (0-2')	Total/NA	Soil	3546	
310-114352-28 MSD	GP9 (0-2')	Total/NA	Soil	3546	

Analysis Batch: 179350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18	GP7 (14-16)	Total/NA	Soil	8270D SIM	179159
310-114352-21	GP20 (0-2')	Total/NA	Soil	8270D SIM	179159
310-114352-22	GP20(15-17')	Total/NA	Soil	8270D SIM	179159
310-114352-23	GP19 (0-2')	Total/NA	Soil	8270D SIM	179159
310-114352-23	GP19 (0-2')	Total/NA	Soil	8270D SIM	179159
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	8270D SIM	179159
310-114352-25	GP19 (17-19')	Total/NA	Soil	8270D SIM	179159
310-114352-26	GP10 (1-2')	Total/NA	Soil	8270D SIM	179159
310-114352-27	GP10 (7-9')	Total/NA	Soil	8270D SIM	179159
310-114352-50	TW9 (01)	Total/NA	Ground Water	8270D SIM	179023
310-114352-51	DUP-02	Total/NA	Water	8270D SIM	179023
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	8270D SIM	179159
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	8270D SIM	179159

Analysis Batch: 179449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-28	GP9 (0-2')	Total/NA	Soil	8270D SIM	179318

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

GC/MS Semi VOA (Continued)

Analysis Batch: 179449 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-29	GP9 (7-8')	Total/NA	Soil	8270D SIM	179318
310-114352-31	GP11 (12-14')	Total/NA	Soil	8270D SIM	179318
310-114352-32	GP3 (2-4')	Total/NA	Soil	8270D SIM	179318
310-114352-33	GP3 (7-9')	Total/NA	Soil	8270D SIM	179318
310-114352-34	GP1 (0-2')	Total/NA	Soil	8270D SIM	179318
310-114352-35	GP1 (12-14')	Total/NA	Soil	8270D SIM	179318
310-114352-36	GP4 (2-3')	Total/NA	Soil	8270D SIM	179318
310-114352-37	GP4 (7-9')	Total/NA	Soil	8270D SIM	179318
310-114352-39	GP5 (7-9')	Total/NA	Soil	8270D SIM	179318
310-114352-40	GP8 (0-2')	Total/NA	Soil	8270D SIM	179318
310-114352-41	GP8 (5-7')	Total/NA	Soil	8270D SIM	179318
310-114352-42	DUP-01	Total/NA	Soil	8270D SIM	179318
310-114352-43	DUP-03	Total/NA	Soil	8270D SIM	179318
MB 310-179318/1-A	Method Blank	Total/NA	Solid	8270D SIM	179318
LCS 310-179318/2-A	Lab Control Sample	Total/NA	Solid	8270D SIM	179318
310-114352-28 MS	GP9 (0-2')	Total/NA	Soil	8270D SIM	179318
310-114352-28 MSD	GP9 (0-2')	Total/NA	Soil	8270D SIM	179318

Analysis Batch: 179476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	8270D SIM	179017
310-114352-2	GP17 (15-16')	Total/NA	Soil	8270D SIM	179017
310-114352-3	GP18 (0-2')	Total/NA	Soil	8270D SIM	179017
310-114352-4	GP18 (12-14')	Total/NA	Soil	8270D SIM	179017
310-114352-5	GP12 (0-2')	Total/NA	Soil	8270D SIM	179017
310-114352-6	GP12 (16-17')	Total/NA	Soil	8270D SIM	179017
310-114352-7	GP16 (0-2')	Total/NA	Soil	8270D SIM	179017
310-114352-8	GP16 (12-14')	Total/NA	Soil	8270D SIM	179017
310-114352-9	GP14 (0-2')	Total/NA	Soil	8270D SIM	179017
310-114352-10	GP14 (17-19')	Total/NA	Soil	8270D SIM	179017
310-114352-11	GP13 (0-2')	Total/NA	Soil	8270D SIM	179017
310-114352-12	GP13 (13-15')	Total/NA	Soil	8270D SIM	179017
310-114352-13	GP15 (2-3')	Total/NA	Soil	8270D SIM	179017
310-114352-14	GP15 (17-19')	Total/NA	Soil	8270D SIM	179017
310-114352-15	GP2 (1-2')	Total/NA	Soil	8270D SIM	179017
310-114352-16	GP2 (18-20')	Total/NA	Soil	8270D SIM	179017
310-114352-17	GP7 (0-2')	Total/NA	Soil	8270D SIM	179017
310-114352-19	GP6 (0-2')	Total/NA	Soil	8270D SIM	179017
MB 310-179017/1-A	Method Blank	Total/NA	Solid	8270D SIM	179017
LCS 310-179017/2-A	Lab Control Sample	Total/NA	Solid	8270D SIM	179017
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	8270D SIM	179017
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	8270D SIM	179017

Analysis Batch: 179666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-15	GP2 (1-2')	Total/NA	Soil	8270D SIM	179017
310-114352-20	GP6 (5-6')	Total/NA	Soil	8270D SIM	179017
310-114352-30	GP11 (1-2')	Total/NA	Soil	8270D SIM	179318
310-114352-38	GP5 (0-2')	Total/NA	Soil	8270D SIM	179318

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

GC Semi VOA

Prep Batch: 179010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-38	GP5 (0-2')	Total/NA	Soil	3546	
310-114352-39	GP5 (7-9')	Total/NA	Soil	3546	
MB 310-179010/1-A	Method Blank	Total/NA	Solid	3546	
LCS 310-179010/2-A	Lab Control Sample	Total/NA	Solid	3546	

Analysis Batch: 179575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-38	GP5 (0-2')	Total/NA	Soil	8082A	179010
310-114352-39	GP5 (7-9')	Total/NA	Soil	8082A	179010
MB 310-179010/1-A	Method Blank	Total/NA	Solid	8082A	179010
LCS 310-179010/2-A	Lab Control Sample	Total/NA	Solid	8082A	179010

Metals

Filtration Batch: 178988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-48	TW18 (01)	Dissolved	Ground Water	Filtration	
310-114352-49	TW15 (01)	Dissolved	Ground Water	Filtration	
310-114352-50	TW9 (01)	Dissolved	Ground Water	Filtration	
310-114352-51	DUP-02	Dissolved	Water	Filtration	
MB 310-178988/1-B	Method Blank	Dissolved	Water	Filtration	
LCS 310-178988/2-B	Lab Control Sample	Dissolved	Water	Filtration	
310-114352-48 DU	TW18 (01)	Dissolved	Ground Water	Filtration	

Filtration Batch: 178989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-48	TW18 (01)	Dissolved	Ground Water	Filtration	
310-114352-49	TW15 (01)	Dissolved	Ground Water	Filtration	
310-114352-50	TW9 (01)	Dissolved	Ground Water	Filtration	
310-114352-51	DUP-02	Dissolved	Water	Filtration	
MB 310-178989/1-B	Method Blank	Dissolved	Water	Filtration	
LCS 310-178989/2-B	Lab Control Sample	Dissolved	Water	Filtration	

Prep Batch: 178994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	3050B	
310-114352-2	GP17 (15-16')	Total/NA	Soil	3050B	
310-114352-3	GP18 (0-2')	Total/NA	Soil	3050B	
310-114352-4	GP18 (12-14')	Total/NA	Soil	3050B	
310-114352-5	GP12 (0-2')	Total/NA	Soil	3050B	
310-114352-6	GP12 (16-17')	Total/NA	Soil	3050B	
310-114352-7	GP16 (0-2')	Total/NA	Soil	3050B	
310-114352-8	GP16 (12-14')	Total/NA	Soil	3050B	
310-114352-9	GP14 (0-2')	Total/NA	Soil	3050B	
310-114352-10	GP14 (17-19')	Total/NA	Soil	3050B	
310-114352-11	GP13 (0-2')	Total/NA	Soil	3050B	
310-114352-12	GP13 (13-15')	Total/NA	Soil	3050B	
310-114352-13	GP15 (2-3')	Total/NA	Soil	3050B	
310-114352-14	GP15 (17-19')	Total/NA	Soil	3050B	
310-114352-15	GP2 (1-2')	Total/NA	Soil	3050B	

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Metals (Continued)

Prep Batch: 178994 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-16	GP2 (18-20')	Total/NA	Soil	3050B	
310-114352-17	GP7 (0-2')	Total/NA	Soil	3050B	
MB 310-178994/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 310-178994/2-A	Lab Control Sample	Total/NA	Solid	3050B	
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	3050B	
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	3050B	

Prep Batch: 178996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18	GP7 (14-16)	Total/NA	Soil	3050B	
310-114352-19	GP6 (0-2')	Total/NA	Soil	3050B	
310-114352-20	GP6 (5-6')	Total/NA	Soil	3050B	
310-114352-21	GP20 (0-2')	Total/NA	Soil	3050B	
310-114352-22	GP20(15-17')	Total/NA	Soil	3050B	
310-114352-23	GP19 (0-2')	Total/NA	Soil	3050B	
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	3050B	
310-114352-25	GP19 (17-19')	Total/NA	Soil	3050B	
310-114352-26	GP10 (1-2')	Total/NA	Soil	3050B	
310-114352-27	GP10 (7-9')	Total/NA	Soil	3050B	
310-114352-28	GP9 (0-2')	Total/NA	Soil	3050B	
310-114352-29	GP9 (7-8')	Total/NA	Soil	3050B	
310-114352-30	GP11 (1-2')	Total/NA	Soil	3050B	
310-114352-31	GP11 (12-14')	Total/NA	Soil	3050B	
310-114352-32	GP3 (2-4')	Total/NA	Soil	3050B	
310-114352-33	GP3 (7-9')	Total/NA	Soil	3050B	
310-114352-34	GP1 (0-2')	Total/NA	Soil	3050B	
310-114352-35	GP1 (12-14')	Total/NA	Soil	3050B	
310-114352-36	GP4 (2-3')	Total/NA	Soil	3050B	
MB 310-178996/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 310-178996/2-A	Lab Control Sample	Total/NA	Solid	3050B	
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	3050B	
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	3050B	
310-114352-28 DU	GP9 (0-2')	Total/NA	Soil	3050B	

Prep Batch: 178998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-37	GP4 (7-9')	Total/NA	Soil	3050B	
310-114352-38	GP5 (0-2')	Total/NA	Soil	3050B	
310-114352-39	GP5 (7-9')	Total/NA	Soil	3050B	
310-114352-40	GP8 (0-2')	Total/NA	Soil	3050B	
310-114352-41	GP8 (5-7')	Total/NA	Soil	3050B	
310-114352-42	DUP-01	Total/NA	Soil	3050B	
310-114352-43	DUP-03	Total/NA	Soil	3050B	
MB 310-178998/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 310-178998/2-A	Lab Control Sample	Total/NA	Solid	3050B	
310-114352-37 DU	GP4 (7-9')	Total/NA	Soil	3050B	

Prep Batch: 179071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-48	TW18 (01)	Dissolved	Ground Water	3010A	178988
310-114352-49	TW15 (01)	Dissolved	Ground Water	3010A	178988

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Metals (Continued)

Prep Batch: 179071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-50	TW9 (01)	Dissolved	Ground Water	3010A	178988
310-114352-51	DUP-02	Dissolved	Water	3010A	178988
MB 310-178988/1-B	Method Blank	Dissolved	Water	3010A	178988
LCS 310-178988/2-B	Lab Control Sample	Dissolved	Water	3010A	178988
310-114352-48 DU	TW18 (01)	Dissolved	Ground Water	3010A	178988

Prep Batch: 179154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-48	TW18 (01)	Dissolved	Ground Water	7470A	178989
310-114352-49	TW15 (01)	Dissolved	Ground Water	7470A	178989
310-114352-50	TW9 (01)	Dissolved	Ground Water	7470A	178989
310-114352-51	DUP-02	Dissolved	Water	7470A	178989
MB 310-178989/1-B	Method Blank	Dissolved	Water	7470A	178989
LCS 310-178989/2-B	Lab Control Sample	Dissolved	Water	7470A	178989

Analysis Batch: 179264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	6010C	178994
310-114352-2	GP17 (15-16')	Total/NA	Soil	6010C	178994
310-114352-3	GP18 (0-2')	Total/NA	Soil	6010C	178994
310-114352-4	GP18 (12-14')	Total/NA	Soil	6010C	178994
310-114352-5	GP12 (0-2')	Total/NA	Soil	6010C	178994
310-114352-6	GP12 (16-17')	Total/NA	Soil	6010C	178994
310-114352-7	GP16 (0-2')	Total/NA	Soil	6010C	178994
310-114352-8	GP16 (12-14')	Total/NA	Soil	6010C	178994
310-114352-9	GP14 (0-2')	Total/NA	Soil	6010C	178994
310-114352-10	GP14 (17-19')	Total/NA	Soil	6010C	178994
310-114352-11	GP13 (0-2')	Total/NA	Soil	6010C	178994
310-114352-12	GP13 (13-15')	Total/NA	Soil	6010C	178994
310-114352-13	GP15 (2-3')	Total/NA	Soil	6010C	178994
310-114352-14	GP15 (17-19')	Total/NA	Soil	6010C	178994
310-114352-15	GP2 (1-2')	Total/NA	Soil	6010C	178994
310-114352-16	GP2 (18-20')	Total/NA	Soil	6010C	178994
310-114352-17	GP7 (0-2')	Total/NA	Soil	6010C	178994
MB 310-178994/1-A	Method Blank	Total/NA	Solid	6010C	178994
LCS 310-178994/2-A	Lab Control Sample	Total/NA	Solid	6010C	178994
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	6010C	178994
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	6010C	178994

Analysis Batch: 179265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-19	GP6 (0-2')	Total/NA	Soil	6010C	178996
310-114352-20	GP6 (5-6')	Total/NA	Soil	6010C	178996
310-114352-22	GP20(15-17')	Total/NA	Soil	6010C	178996
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	6010C	178996
310-114352-25	GP19 (17-19')	Total/NA	Soil	6010C	178996
310-114352-27	GP10 (7-9')	Total/NA	Soil	6010C	178996
310-114352-29	GP9 (7-8')	Total/NA	Soil	6010C	178996
310-114352-42	DUP-01	Total/NA	Soil	6010C	178998
MB 310-178996/1-A	Method Blank	Total/NA	Solid	6010C	178996
MB 310-178998/1-A	Method Blank	Total/NA	Solid	6010C	178998

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Metals (Continued)

Analysis Batch: 179265 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-178996/2-A	Lab Control Sample	Total/NA	Solid	6010C	178996
LCS 310-178998/2-A	Lab Control Sample	Total/NA	Solid	6010C	178998

Prep Batch: 179325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	7471B	
310-114352-2	GP17 (15-16')	Total/NA	Soil	7471B	
310-114352-3	GP18 (0-2')	Total/NA	Soil	7471B	
310-114352-4	GP18 (12-14')	Total/NA	Soil	7471B	
310-114352-5	GP12 (0-2')	Total/NA	Soil	7471B	
310-114352-6	GP12 (16-17')	Total/NA	Soil	7471B	
310-114352-7	GP16 (0-2')	Total/NA	Soil	7471B	
310-114352-8	GP16 (12-14')	Total/NA	Soil	7471B	
310-114352-9	GP14 (0-2')	Total/NA	Soil	7471B	
310-114352-10	GP14 (17-19')	Total/NA	Soil	7471B	
310-114352-11	GP13 (0-2')	Total/NA	Soil	7471B	
310-114352-12	GP13 (13-15')	Total/NA	Soil	7471B	
310-114352-13	GP15 (2-3')	Total/NA	Soil	7471B	
310-114352-14	GP15 (17-19')	Total/NA	Soil	7471B	
310-114352-15	GP2 (1-2')	Total/NA	Soil	7471B	
310-114352-16	GP2 (18-20')	Total/NA	Soil	7471B	
310-114352-17	GP7 (0-2')	Total/NA	Soil	7471B	
310-114352-19	GP6 (0-2')	Total/NA	Soil	7471B	
MB 310-179325/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 310-179325/2-A	Lab Control Sample	Total/NA	Solid	7471B	
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	7471B	
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	7471B	

Prep Batch: 179327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18	GP7 (14-16')	Total/NA	Soil	7471B	
310-114352-20	GP6 (5-6')	Total/NA	Soil	7471B	
310-114352-21	GP20 (0-2')	Total/NA	Soil	7471B	
310-114352-22	GP20(15-17')	Total/NA	Soil	7471B	
310-114352-23	GP19 (0-2')	Total/NA	Soil	7471B	
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	7471B	
310-114352-25	GP19 (17-19')	Total/NA	Soil	7471B	
310-114352-26	GP10 (1-2')	Total/NA	Soil	7471B	
310-114352-27	GP10 (7-9')	Total/NA	Soil	7471B	
310-114352-28	GP9 (0-2')	Total/NA	Soil	7471B	
310-114352-29	GP9 (7-8')	Total/NA	Soil	7471B	
310-114352-30	GP11 (1-2')	Total/NA	Soil	7471B	
310-114352-31	GP11 (12-14')	Total/NA	Soil	7471B	
310-114352-32	GP3 (2-4')	Total/NA	Soil	7471B	
310-114352-33	GP3 (7-9')	Total/NA	Soil	7471B	
310-114352-34	GP1 (0-2')	Total/NA	Soil	7471B	
310-114352-35	GP1 (12-14')	Total/NA	Soil	7471B	
310-114352-36	GP4 (2-3')	Total/NA	Soil	7471B	
310-114352-37	GP4 (7-9')	Total/NA	Soil	7471B	
310-114352-38	GP5 (0-2')	Total/NA	Soil	7471B	
MB 310-179327/1-A	Method Blank	Total/NA	Solid	7471B	

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Metals (Continued)

Prep Batch: 179327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 310-179327/2-A	Lab Control Sample	Total/NA	Solid	7471B	
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	7471B	
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	7471B	

Prep Batch: 179329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-39	GP5 (7-9')	Total/NA	Soil	7471B	
310-114352-40	GP8 (0-2')	Total/NA	Soil	7471B	
310-114352-41	GP8 (5-7')	Total/NA	Soil	7471B	
310-114352-42	DUP-01	Total/NA	Soil	7471B	
310-114352-43	DUP-03	Total/NA	Soil	7471B	
MB 310-179329/1-A	Method Blank	Total/NA	Solid	7471B	
LCS 310-179329/2-A	Lab Control Sample	Total/NA	Solid	7471B	
310-114352-39 MS	GP5 (7-9')	Total/NA	Soil	7471B	
310-114352-39 MSD	GP5 (7-9')	Total/NA	Soil	7471B	

Analysis Batch: 179339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-48	TW18 (01)	Dissolved	Ground Water	7470A	179154
310-114352-49	TW15 (01)	Dissolved	Ground Water	7470A	179154
310-114352-50	TW9 (01)	Dissolved	Ground Water	7470A	179154
310-114352-51	DUP-02	Dissolved	Water	7470A	179154
MB 310-178989/1-B	Method Blank	Dissolved	Water	7470A	179154
LCS 310-178989/2-B	Lab Control Sample	Dissolved	Water	7470A	179154

Analysis Batch: 179395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18	GP7 (14-16)	Total/NA	Soil	6010C	178996
310-114352-21	GP20 (0-2')	Total/NA	Soil	6010C	178996
310-114352-23	GP19 (0-2')	Total/NA	Soil	6010C	178996
310-114352-26	GP10 (1-2')	Total/NA	Soil	6010C	178996
310-114352-28	GP9 (0-2')	Total/NA	Soil	6010C	178996
310-114352-30	GP11 (1-2')	Total/NA	Soil	6010C	178996
310-114352-31	GP11 (12-14')	Total/NA	Soil	6010C	178996
310-114352-32	GP3 (2-4')	Total/NA	Soil	6010C	178996
310-114352-33	GP3 (7-9')	Total/NA	Soil	6010C	178996
310-114352-34	GP1 (0-2')	Total/NA	Soil	6010C	178996
310-114352-35	GP1 (12-14')	Total/NA	Soil	6010C	178996
310-114352-36	GP4 (2-3')	Total/NA	Soil	6010C	178996
310-114352-37	GP4 (7-9')	Total/NA	Soil	6010C	178998
310-114352-38	GP5 (0-2')	Total/NA	Soil	6010C	178998
310-114352-39	GP5 (7-9')	Total/NA	Soil	6010C	178998
310-114352-40	GP8 (0-2')	Total/NA	Soil	6010C	178998
310-114352-41	GP8 (5-7')	Total/NA	Soil	6010C	178998
310-114352-43	DUP-03	Total/NA	Soil	6010C	178998
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	6010C	178996
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	6010C	178996
310-114352-28 DU	GP9 (0-2')	Total/NA	Soil	6010C	178996
310-114352-37 DU	GP4 (7-9')	Total/NA	Soil	6010C	178998

QC Association Summary

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Metals (Continued)

Analysis Batch: 179504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-1	GP17 (0-2')	Total/NA	Soil	7471B	179325
310-114352-2	GP17 (15-16')	Total/NA	Soil	7471B	179325
310-114352-3	GP18 (0-2')	Total/NA	Soil	7471B	179325
310-114352-4	GP18 (12-14')	Total/NA	Soil	7471B	179325
310-114352-5	GP12 (0-2')	Total/NA	Soil	7471B	179325
310-114352-6	GP12 (16-17')	Total/NA	Soil	7471B	179325
310-114352-7	GP16 (0-2')	Total/NA	Soil	7471B	179325
310-114352-8	GP16 (12-14')	Total/NA	Soil	7471B	179325
310-114352-9	GP14 (0-2')	Total/NA	Soil	7471B	179325
310-114352-10	GP14 (17-19')	Total/NA	Soil	7471B	179325
310-114352-11	GP13 (0-2')	Total/NA	Soil	7471B	179325
310-114352-12	GP13 (13-15')	Total/NA	Soil	7471B	179325
310-114352-13	GP15 (2-3')	Total/NA	Soil	7471B	179325
310-114352-14	GP15 (17-19')	Total/NA	Soil	7471B	179325
310-114352-15	GP2 (1-2')	Total/NA	Soil	7471B	179325
310-114352-16	GP2 (18-20')	Total/NA	Soil	7471B	179325
310-114352-17	GP7 (0-2')	Total/NA	Soil	7471B	179325
310-114352-18	GP7 (14-16)	Total/NA	Soil	7471B	179327
310-114352-19	GP6 (0-2')	Total/NA	Soil	7471B	179325
310-114352-20	GP6 (5-6')	Total/NA	Soil	7471B	179327
310-114352-21	GP20 (0-2')	Total/NA	Soil	7471B	179327
310-114352-22	GP20(15-17')	Total/NA	Soil	7471B	179327
310-114352-23	GP19 (0-2')	Total/NA	Soil	7471B	179327
310-114352-24	GP19 (6.5-7')	Total/NA	Soil	7471B	179327
310-114352-25	GP19 (17-19')	Total/NA	Soil	7471B	179327
310-114352-26	GP10 (1-2')	Total/NA	Soil	7471B	179327
310-114352-27	GP10 (7-9')	Total/NA	Soil	7471B	179327
310-114352-28	GP9 (0-2')	Total/NA	Soil	7471B	179327
310-114352-29	GP9 (7-8')	Total/NA	Soil	7471B	179327
310-114352-30	GP11 (1-2')	Total/NA	Soil	7471B	179327
310-114352-31	GP11 (12-14')	Total/NA	Soil	7471B	179327
310-114352-32	GP3 (2-4')	Total/NA	Soil	7471B	179327
310-114352-33	GP3 (7-9')	Total/NA	Soil	7471B	179327
310-114352-34	GP1 (0-2')	Total/NA	Soil	7471B	179327
310-114352-35	GP1 (12-14')	Total/NA	Soil	7471B	179327
310-114352-36	GP4 (2-3')	Total/NA	Soil	7471B	179327
310-114352-37	GP4 (7-9')	Total/NA	Soil	7471B	179327
310-114352-38	GP5 (0-2')	Total/NA	Soil	7471B	179327
310-114352-39	GP5 (7-9')	Total/NA	Soil	7471B	179329
310-114352-40	GP8 (0-2')	Total/NA	Soil	7471B	179329
310-114352-41	GP8 (5-7')	Total/NA	Soil	7471B	179329
310-114352-42	DUP-01	Total/NA	Soil	7471B	179329
310-114352-43	DUP-03	Total/NA	Soil	7471B	179329
MB 310-179325/1-A	Method Blank	Total/NA	Solid	7471B	179325
MB 310-179327/1-A	Method Blank	Total/NA	Solid	7471B	179327
MB 310-179329/1-A	Method Blank	Total/NA	Solid	7471B	179329
LCS 310-179325/2-A	Lab Control Sample	Total/NA	Solid	7471B	179325
LCS 310-179327/2-A	Lab Control Sample	Total/NA	Solid	7471B	179327
LCS 310-179329/2-A	Lab Control Sample	Total/NA	Solid	7471B	179329
310-114352-12 MS	GP13 (13-15')	Total/NA	Soil	7471B	179325
310-114352-12 MSD	GP13 (13-15')	Total/NA	Soil	7471B	179325

TestAmerica Cedar Falls

QC Association Summary

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Metals (Continued)

Analysis Batch: 179504 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-18 MS	GP7 (14-16)	Total/NA	Soil	7471B	179327
310-114352-18 MSD	GP7 (14-16)	Total/NA	Soil	7471B	179327
310-114352-39 MS	GP5 (7-9')	Total/NA	Soil	7471B	179329
310-114352-39 MSD	GP5 (7-9')	Total/NA	Soil	7471B	179329

Analysis Batch: 180102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-48	TW18 (01)	Dissolved	Ground Water	6020A	179071
310-114352-49	TW15 (01)	Dissolved	Ground Water	6020A	179071
310-114352-50	TW9 (01)	Dissolved	Ground Water	6020A	179071
310-114352-51	DUP-02	Dissolved	Water	6020A	179071
MB 310-178988/1-B	Method Blank	Dissolved	Water	6020A	179071
LCS 310-178988/2-B	Lab Control Sample	Dissolved	Water	6020A	179071
310-114352-48 DU	TW18 (01)	Dissolved	Ground Water	6020A	179071

Analysis Batch: 180274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
310-114352-48	TW18 (01)	Dissolved	Ground Water	6020A	179071
310-114352-49	TW15 (01)	Dissolved	Ground Water	6020A	179071
310-114352-50	TW9 (01)	Dissolved	Ground Water	6020A	179071
310-114352-51	DUP-02	Dissolved	Water	6020A	179071
MB 310-178988/1-B	Method Blank	Dissolved	Water	6020A	179071
LCS 310-178988/2-B	Lab Control Sample	Dissolved	Water	6020A	179071
310-114352-48 DU	TW18 (01)	Dissolved	Ground Water	6020A	179071

DRAFT

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP17 (0-2')

Lab Sample ID: 310-114352-1

Date Collected: 09/11/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF
Total/NA	Analysis	8260C		1	179057	09/18/17 16:29	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 04:56	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:39	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:13	MEG	TAL CF

Client Sample ID: GP17 (15-16')

Lab Sample ID: 310-114352-2

Date Collected: 09/11/17 14:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF
Total/NA	Analysis	8260C		1	179057	09/18/17 16:53	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179476	09/21/17 05:27	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179264	09/18/17 18:51	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:15	MEG	TAL CF

Client Sample ID: GP18 (0-2')

Lab Sample ID: 310-114352-3

Date Collected: 09/11/17 16:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF
Total/NA	Analysis	8260C		1	179057	09/18/17 17:17	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 05:59	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:42	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:16	MEG	TAL CF

Client Sample ID: GP18 (12-14')

Lab Sample ID: 310-114352-4

Date Collected: 09/11/17 16:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP18 (12-14')

Lab Sample ID: 310-114352-4

Date Collected: 09/11/17 16:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	179057	09/18/17 17:41	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179476	09/21/17 06:30	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:44	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:18	MEG	TAL CF

Client Sample ID: GP12 (0-2')

Lab Sample ID: 310-114352-5

Date Collected: 09/11/17 17:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 72.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF
Total/NA	Analysis	8260C		1	179057	09/18/17 18:05	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 07:01	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:46	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:20	MEG	TAL CF

Client Sample ID: GP12 (16-17')

Lab Sample ID: 310-114352-6

Date Collected: 09/11/17 18:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF
Total/NA	Analysis	8260C		1	179057	09/18/17 18:29	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179476	09/21/17 07:33	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:48	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:21	MEG	TAL CF

Client Sample ID: GP16 (0-2')

Lab Sample ID: 310-114352-7

Date Collected: 09/12/17 08:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF
Total/NA	Analysis	8260C		1	179057	09/18/17 18:53	TCH	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP16 (0-2')

Lab Sample ID: 310-114352-7

Date Collected: 09/12/17 08:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 08:04	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:50	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:23	MEG	TAL CF

Client Sample ID: GP16 (12-14')

Lab Sample ID: 310-114352-8

Date Collected: 09/12/17 08:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/18/17 22:54	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 08:36	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179264	09/18/17 19:08	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:28	MEG	TAL CF

Client Sample ID: GP14 (0-2')

Lab Sample ID: 310-114352-9

Date Collected: 09/12/17 08:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 81.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/18/17 23:18	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 09:07	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:56	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:29	MEG	TAL CF

Client Sample ID: GP14 (17-19')

Lab Sample ID: 310-114352-10

Date Collected: 09/12/17 09:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/18/17 23:42	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP14 (17-19')

Lab Sample ID: 310-114352-10

Date Collected: 09/12/17 09:15

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1	179476	09/21/17 09:39	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 20:59	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:31	MEG	TAL CF

Client Sample ID: GP13 (0-2')

Lab Sample ID: 310-114352-11

Date Collected: 09/12/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/19/17 00:06	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 10:10	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 21:01	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:32	MEG	TAL CF

Client Sample ID: GP13 (13-15')

Lab Sample ID: 310-114352-12

Date Collected: 09/12/17 10:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179055	09/18/17 07:23	TCH	TAL CF
Total/NA	Analysis	8260C		1	179057	09/18/17 19:17	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179476	09/21/17 04:25	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 21:03	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:34	MEG	TAL CF

Client Sample ID: GP15 (2-3')

Lab Sample ID: 310-114352-13

Date Collected: 09/12/17 10:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/19/17 00:30	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 10:42	DMD	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP15 (2-3')

Lab Sample ID: 310-114352-13

Date Collected: 09/12/17 10:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 21:09	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:39	MEG	TAL CF

Client Sample ID: GP15 (17-19')

Lab Sample ID: 310-114352-14

Date Collected: 09/12/17 11:05

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/19/17 00:55	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179476	09/21/17 11:13	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 21:11	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:40	MEG	TAL CF

Client Sample ID: GP2 (1-2')

Lab Sample ID: 310-114352-15

Date Collected: 09/12/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/19/17 01:19	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 11:45	DMD	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		100	179666	09/21/17 20:23	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179264	09/18/17 19:33	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:42	MEG	TAL CF

Client Sample ID: GP2 (18-20')

Lab Sample ID: 310-114352-16

Date Collected: 09/12/17 13:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/19/17 01:43	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP2 (18-20')

Lab Sample ID: 310-114352-16

Date Collected: 09/12/17 13:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270D SIM		1	179476	09/21/17 12:16	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 21:17	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:50	MEG	TAL CF

Client Sample ID: GP7 (0-2')

Lab Sample ID: 310-114352-17

Date Collected: 09/12/17 13:30

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179058	09/18/17 07:34	TCH	TAL CF
Total/NA	Analysis	8260C		1	179066	09/19/17 02:07	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 12:48	DMD	TAL CF
Total/NA	Prep	3050B			178994	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179264	09/18/17 21:19	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:52	MEG	TAL CF

Client Sample ID: GP7 (14-16)

Lab Sample ID: 310-114352-18

Date Collected: 09/12/17 13:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 09:56	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179350	09/20/17 05:42	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:10	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:01	MEG	TAL CF

Client Sample ID: GP6 (0-2')

Lab Sample ID: 310-114352-19

Date Collected: 09/12/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 10:20	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179476	09/21/17 13:20	DMD	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP6 (0-2')

Lab Sample ID: 310-114352-19

Date Collected: 09/12/17 14:10

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179265	09/18/17 22:43	OAD	TAL CF
Total/NA	Prep	7471B			179325	09/19/17 12:57	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 13:53	MEG	TAL CF

Client Sample ID: GP6 (5-6')

Lab Sample ID: 310-114352-20

Date Collected: 09/12/17 14:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 10:45	TCH	TAL CF
Total/NA	Prep	3546			179017	09/15/17 18:20	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179666	09/22/17 01:38	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179265	09/18/17 22:45	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:09	MEG	TAL CF

Client Sample ID: GP20 (0-2')

Lab Sample ID: 310-114352-21

Date Collected: 09/12/17 15:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 11:09	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		100	179350	09/20/17 06:44	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:21	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		50	179504	09/20/17 14:17	MEG	TAL CF

Client Sample ID: GP20(15-17')

Lab Sample ID: 310-114352-22

Date Collected: 09/12/17 15:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 11:33	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179350	09/20/17 07:16	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP20(15-17')

Lab Sample ID: 310-114352-22

Date Collected: 09/12/17 15:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		1	179265	09/18/17 22:49	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:12	MEG	TAL CF

Client Sample ID: GP19 (0-2')

Lab Sample ID: 310-114352-23

Date Collected: 09/12/17 16:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 11:57	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179350	09/20/17 07:47	DMD	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		100	179350	09/20/17 11:59	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		5	179395	09/19/17 14:39	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		50	179504	09/20/17 14:19	MEG	TAL CF

Client Sample ID: GP19 (6.5-7')

Lab Sample ID: 310-114352-24

Date Collected: 09/12/17 16:50

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 12:21	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179350	09/20/17 08:18	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179265	09/18/17 22:53	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		5	179504	09/20/17 14:20	MEG	TAL CF

Client Sample ID: GP19 (17-19')

Lab Sample ID: 310-114352-25

Date Collected: 09/12/17 17:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 12:45	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179350	09/20/17 08:50	DMD	TAL CF

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP19 (17-19')

Lab Sample ID: 310-114352-25

Date Collected: 09/12/17 17:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179265	09/18/17 22:56	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:22	MEG	TAL CF

Client Sample ID: GP10 (1-2')

Lab Sample ID: 310-114352-26

Date Collected: 09/12/17 17:25

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 13:09	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179350	09/20/17 09:21	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		6	179395	09/19/17 14:25	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		50	179504	09/20/17 14:28	MEG	TAL CF

Client Sample ID: GP10 (7-9')

Lab Sample ID: 310-114352-27

Date Collected: 09/12/17 18:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 13:33	TCH	TAL CF
Total/NA	Prep	3546			179159	09/18/17 12:59	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179350	09/20/17 09:53	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179265	09/18/17 23:00	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:30	MEG	TAL CF

Client Sample ID: GP9 (0-2')

Lab Sample ID: 310-114352-28

Date Collected: 09/13/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 13:57	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179449	09/20/17 15:49	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP9 (0-2')

Lab Sample ID: 310-114352-28

Date Collected: 09/13/17 09:45

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010C		3	179395	09/19/17 14:27	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:31	MEG	TAL CF

Client Sample ID: GP9 (7-8')

Lab Sample ID: 310-114352-29

Date Collected: 09/13/17 10:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 14:22	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 16:21	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179265	09/18/17 23:11	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:33	MEG	TAL CF

Client Sample ID: GP11 (1-2')

Lab Sample ID: 310-114352-30

Date Collected: 09/13/17 10:35

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 14:46	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179666	09/22/17 02:10	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:31	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:34	MEG	TAL CF

Client Sample ID: GP11 (12-14')

Lab Sample ID: 310-114352-31

Date Collected: 09/13/17 11:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 15:10	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 16:53	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:34	OAD	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP11 (12-14')

Lab Sample ID: 310-114352-31

Date Collected: 09/13/17 11:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 77.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:36	MEG	TAL CF

Client Sample ID: GP3 (2-4')

Lab Sample ID: 310-114352-32

Date Collected: 09/13/17 11:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/20/17 21:11	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 17:24	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:36	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:38	MEG	TAL CF

Client Sample ID: GP3 (7-9')

Lab Sample ID: 310-114352-33

Date Collected: 09/13/17 12:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179373	09/20/17 06:08	TCH	TAL CF
Total/NA	Analysis	8260C		1	179375	09/20/17 15:34	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 17:56	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:46	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:39	MEG	TAL CF

Client Sample ID: GP1 (0-2')

Lab Sample ID: 310-114352-34

Date Collected: 09/13/17 12:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/20/17 21:35	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 18:28	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:49	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP1 (0-2')

Lab Sample ID: 310-114352-34

Date Collected: 09/13/17 12:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 94.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	7471B		1	179504	09/20/17 14:41	MEG	TAL CF

Client Sample ID: GP1 (12-14')

Lab Sample ID: 310-114352-35

Date Collected: 09/13/17 12:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/20/17 21:59	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 18:59	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:51	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:42	MEG	TAL CF

Client Sample ID: GP4 (2-3')

Lab Sample ID: 310-114352-36

Date Collected: 09/13/17 13:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/20/17 22:24	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 19:31	DMD	TAL CF
Total/NA	Prep	3050B			178996	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:53	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:47	MEG	TAL CF

Client Sample ID: GP4 (7-9')

Lab Sample ID: 310-114352-37

Date Collected: 09/13/17 13:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/20/17 22:48	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 20:02	DMD	TAL CF
Total/NA	Prep	3050B			178998	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 13:53	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:48	MEG	TAL CF

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP5 (0-2')

Lab Sample ID: 310-114352-38

Date Collected: 09/13/17 13:40

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/20/17 23:12	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179666	09/22/17 02:41	DMD	TAL CF
Total/NA	Prep	3546			179010	09/15/17 16:23	CTB	TAL CF
Total/NA	Analysis	8082A		1	179575	09/21/17 11:10	BKT	TAL CF
Total/NA	Prep	3050B			178998	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		4	179395	09/19/17 13:57	OAD	TAL CF
Total/NA	Prep	7471B			179327	09/19/17 12:58	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 14:50	MEG	TAL CF

Client Sample ID: GP5 (7-9')

Lab Sample ID: 310-114352-39

Date Collected: 09/13/17 14:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/20/17 23:36	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 20:34	DMD	TAL CF
Total/NA	Prep	3546			179010	09/15/17 16:23	CTB	TAL CF
Total/NA	Analysis	8082A		1	179575	09/21/17 11:21	BKT	TAL CF
Total/NA	Prep	3050B			178998	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 13:59	OAD	TAL CF
Total/NA	Prep	7471B			179329	09/19/17 13:03	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 12:34	MEG	TAL CF

Client Sample ID: GP8 (0-2')

Lab Sample ID: 310-114352-40

Date Collected: 09/13/17 17:05

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/21/17 00:00	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		10	179449	09/20/17 23:11	DMD	TAL CF
Total/NA	Prep	3050B			178998	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:02	OAD	TAL CF
Total/NA	Prep	7471B			179329	09/19/17 13:03	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 12:38	MEG	TAL CF

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: GP8 (5-7')

Lab Sample ID: 310-114352-41

Date Collected: 09/13/17 17:20

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 75.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/21/17 00:24	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/20/17 23:43	DMD	TAL CF
Total/NA	Prep	3050B			178998	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:04	OAD	TAL CF
Total/NA	Prep	7471B			179329	09/19/17 13:03	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 12:40	MEG	TAL CF

Client Sample ID: DUP-01

Lab Sample ID: 310-114352-42

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/21/17 00:48	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/21/17 00:14	DMD	TAL CF
Total/NA	Prep	3050B			178998	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		1	179265	09/18/17 22:16	OAD	TAL CF
Total/NA	Prep	7471B			179329	09/19/17 13:03	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 12:41	MEG	TAL CF

Client Sample ID: DUP-03

Lab Sample ID: 310-114352-43

Date Collected: 09/12/17 00:00

Matrix: Soil

Date Received: 09/15/17 09:15

Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/21/17 01:12	TCH	TAL CF
Total/NA	Prep	3546			179318	09/19/17 12:43	CTB	TAL CF
Total/NA	Analysis	8270D SIM		1	179449	09/21/17 00:45	DMD	TAL CF
Total/NA	Prep	3050B			178998	09/18/17 10:00	JNR	TAL CF
Total/NA	Analysis	6010C		2	179395	09/19/17 14:06	OAD	TAL CF
Total/NA	Prep	7471B			179329	09/19/17 13:03	MEG	TAL CF
Total/NA	Analysis	7471B		1	179504	09/20/17 12:43	MEG	TAL CF

Client Sample ID: TB1

Lab Sample ID: 310-114352-44

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TB1

Lab Sample ID: 310-114352-44

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	179384	09/21/17 01:36	TCH	TAL CF

Client Sample ID: TB2

Lab Sample ID: 310-114352-45

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/21/17 02:01	TCH	TAL CF

Client Sample ID: TB3

Lab Sample ID: 310-114352-46

Date Collected: 09/13/17 00:00

Matrix: Solid

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			179376	09/20/17 06:15	TCH	TAL CF
Total/NA	Analysis	8260C		1	179384	09/21/17 02:25	TCH	TAL CF

Client Sample ID: TW17 (01)

Lab Sample ID: 310-114352-47

Date Collected: 09/11/17 15:30

Matrix: Ground Water

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	178884	09/16/17 14:14	SJN	TAL CF
Total/NA	Prep	3510C			179023	09/15/17 18:23	DEM2	TAL CF
Total/NA	Analysis	8270D SIM		1	179288	09/20/17 01:30	DMD	TAL CF

Client Sample ID: TW18 (01)

Lab Sample ID: 310-114352-48

Date Collected: 09/11/17 17:30

Matrix: Ground Water

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	178884	09/16/17 14:38	SJN	TAL CF
Total/NA	Prep	3510C			179023	09/15/17 18:23	DEM2	TAL CF
Total/NA	Analysis	8270D SIM		1	179288	09/20/17 02:02	DMD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:47	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180102	09/25/17 21:40	OAD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:47	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180274	09/26/17 15:16	OAD	TAL CF
Dissolved	Filtration	Filtration			178989	09/15/17 18:43	JNR	TAL CF
Dissolved	Prep	7470A			179154	09/18/17 12:48	MEG	TAL CF

TestAmerica Cedar Falls

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: TW18 (01)

Date Collected: 09/11/17 17:30
 Date Received: 09/15/17 09:15

Lab Sample ID: 310-114352-48

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	7470A		1	179339	09/19/17 13:12	MEG	TAL CF

Client Sample ID: TW15 (01)

Date Collected: 09/12/17 11:20
 Date Received: 09/15/17 09:15

Lab Sample ID: 310-114352-49

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	178884	09/16/17 15:01	SJN	TAL CF
Total/NA	Prep	3510C			179023	09/15/17 18:23	DEM2	TAL CF
Total/NA	Analysis	8270D SIM		1	179288	09/20/17 02:33	DMD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:47	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180102	09/25/17 21:55	OAD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:47	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180274	09/26/17 15:22	OAD	TAL CF
Dissolved	Filtration	Filtration			178989	09/15/17 18:43	JNR	TAL CF
Dissolved	Prep	7470A			179154	09/18/17 12:48	MEG	TAL CF
Dissolved	Analysis	7470A		1	179339	09/19/17 13:13	MEG	TAL CF

Client Sample ID: TW9 (01)

Date Collected: 09/13/17 10:15
 Date Received: 09/15/17 09:15

Lab Sample ID: 310-114352-50

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	178884	09/16/17 15:25	SJN	TAL CF
Total/NA	Prep	3510C			179023	09/15/17 18:23	DEM2	TAL CF
Total/NA	Analysis	8270D SIM		1	179350	09/20/17 10:24	DMD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:47	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180102	09/25/17 21:58	OAD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:47	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180274	09/26/17 15:34	OAD	TAL CF
Dissolved	Filtration	Filtration			178989	09/15/17 18:43	JNR	TAL CF
Dissolved	Prep	7470A			179154	09/18/17 12:48	MEG	TAL CF
Dissolved	Analysis	7470A		1	179339	09/19/17 13:15	MEG	TAL CF

Lab Chronicle

Client: Stantec Consulting Corporation
 Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
 SDG: 193704907

Client Sample ID: DUP-02

Lab Sample ID: 310-114352-51

Date Collected: 09/12/17 00:00

Matrix: Water

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	178884	09/16/17 15:49	SJN	TAL CF
Total/NA	Prep	3510C			179023	09/15/17 18:23	DEM2	TAL CF
Total/NA	Analysis	8270D SIM		1	179350	09/20/17 10:56	DMD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:48	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180102	09/25/17 22:02	OAD	TAL CF
Dissolved	Filtration	Filtration			178988	09/15/17 18:48	JNR	TAL CF
Dissolved	Prep	3010A			179071	09/18/17 07:52	JNR	TAL CF
Dissolved	Analysis	6020A		1	180274	09/26/17 15:37	OAD	TAL CF
Dissolved	Filtration	Filtration			178989	09/15/17 18:43	JNR	TAL CF
Dissolved	Prep	7470A			179154	09/18/17 12:48	MEG	TAL CF
Dissolved	Analysis	7470A		1	179339	09/19/17 13:17	MEG	TAL CF

Client Sample ID: TB4

Lab Sample ID: 310-114352-52

Date Collected: 09/13/17 00:00

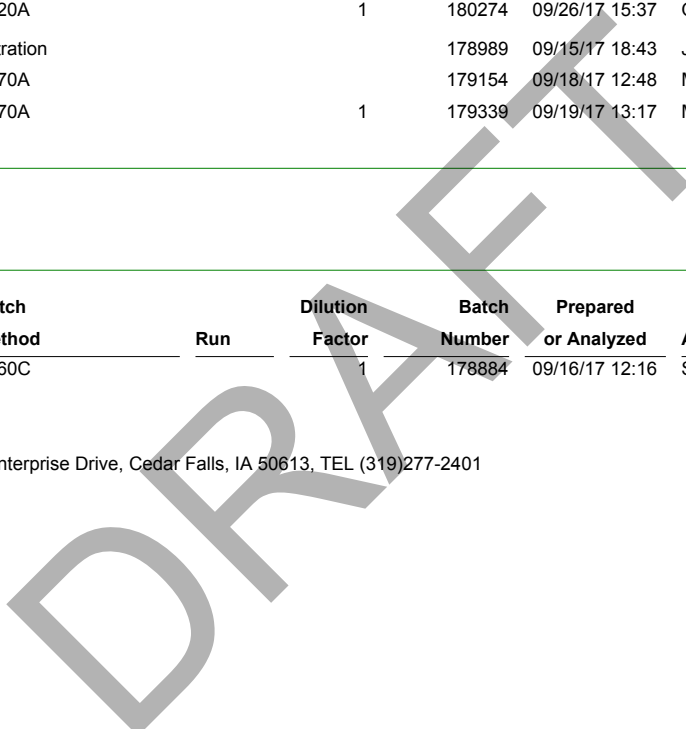
Matrix: Water

Date Received: 09/15/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	178884	09/16/17 12:16	SJN	TAL CF

Laboratory References:

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



Accreditation/Certification Summary

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Laboratory: TestAmerica Cedar Falls

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Minnesota	NELAP	5	019-999-319	12-31-17

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
8082A	3546	Soil	PCB-1268

DRAFT

Method Summary

Client: Stantec Consulting Corporation
Project/Site: Mid American Steel - Fargo, ND

TestAmerica Job ID: 310-114352-1
SDG: 193704907

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL CF
8270D SIM	Semivolatile Organic Compound (GC/MS SIM LL)	SW846	TAL CF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL CF
6010C	Metals (ICP)	SW846	TAL CF
6020A	Metals (ICP/MS)	SW846	TAL CF
7470A	Mercury (CVAA)	SW846	TAL CF
7471B	Mercury (CVAA)	SW846	TAL CF

Protocol References:

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

DRAFT





310-114352 Chain of Custody

310502

Cooler/Sample Receipt and Temperature Record

Client Information			
Client: <u>Stantec</u>			
City/State: <u>St. Paul MN</u>		Project: <u>MidAmerican Steel</u>	
Receipt Information			
Date/Time Received: <u>09.15.17 9:15</u>		Received By: <u>GL</u>	
Delivery Type: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> TA Courier <input type="checkbox"/> TA Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		If yes: Cooler ID:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>MN-4</u>	
Multiple Coolers?		If yes: Cooler # <u>1</u> of <u>4</u>	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Cooler Custody Seals Present?		If yes: Cooler custody seals intact?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?		If yes: Sample custody seals intact?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?		If yes: Which VOA samples are in cooler? ↓	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
MeOH: <u>GP-4(2-3), GP-11, GP-9(0-2), GP-13(13-15), DupD1, GP-12(16-17)</u> <u>GP-19(6-5-7), GP-4(7-9), GP-17(15-16), GP-5(7-9), GP-9(7-8), GP-5(0-2)</u>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>G</u>		Correction Factor (°C): <u>-0.1</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>1.2</u>		Corrected Temp (°C): <u>1.1</u>	
• Sample Container Temperature			
Sample ID(s) & bottle type used: CONTAINER 1		CONTAINER 2	
Uncorrected Temp (°C): TEMP 1 TEMP 2		Corrected Temp (°C): TEMP 1 TEMP 2	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			
<u>GP-19(6-5-7) NO moisture container received</u>			
<u>only 1 MeOH vial + 1 4oz Soil</u>			

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Stantec</u>			
City/State: <u>St. Paul MN</u>		Project: <u>MidAmerican Steel</u>	
Receipt Information			
Date/Time Received: <u>09.15.17 9:15</u>		Received By: <u>GL</u>	
Delivery Type: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> TA Courier <input type="checkbox"/> TA Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler ID:	<u>165</u>
Multiple Coolers?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler #	<u>2</u> of <u>4</u>
Cooler Custody Seals Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Cooler custody seals intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sample Custody Seals Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes: Sample custody seals intact?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Trip Blank Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes: Which VOA samples are in cooler?	↓
<u>MeDH: GP-17(0-2), GP-1(0-2), GP-2(18-20), GP-16(6-2) GP-13(0-2)</u>			
<u>GP-7(0-2) GP-6(0-2), GP-13(13-15) GP-2(1-2) GP-7E(14-16)</u>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>G</u>		Correction Factor (°C): <u>-0.1</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.9</u>		Corrected Temp (°C): <u>0.8</u>	
• Sample Container Temperature			
Sample ID(s) & bottle type used: CONTAINER 1		CONTAINER 2	
Uncorrected Temp (°C): TEMP 1		Corrected Temp (°C): TEMP 1	
TEMP 2		TEMP 2	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Stantec</u>			
City/State: <u>St. Paul MN</u>		Project: <u>MidAmerican Steel</u>	
Receipt Information			
Date/Time Received: <u>09.15.17 9:15</u>		Received By: <u>GL</u>	
Delivery Type: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> TA Courier <input type="checkbox"/> TA Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		If yes: Cooler ID:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>MN-55</u>	
Multiple Coolers?		If yes: Cooler # <u>3</u> of <u>4</u>	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Cooler Custody Seals Present?		If yes: Cooler custody seals intact?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?		If yes: Sample custody seals intact?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?		If yes: Which VOA samples are in cooler? ↓	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
MeDA: <u>GP-3(1-9), GP-10(1-2), GP-10(7-9), GP-15(2-3), GP-15(17-19), GP-14(17-19), GP-20(15-17), GP-11(12-14), GP-7(14-16), GP-1(12-14), Dup 03, GP-7(14-16)</u>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>G</u>		Correction Factor (°C): <u>-0.1</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.8</u>		Corrected Temp (°C): <u>0.7</u>	
• Sample Container Temperature			
Sample ID(s) & bottle type used: CONTAINER 1		CONTAINER 2	
Uncorrected Temp (°C): TEMP 1 TEMP 2		Corrected Temp (°C): TEMP 1 TEMP 2	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			

Place COC scanning label here

Cooler/Sample Receipt and Temperature Log Form

Client Information			
Client: <u>Stantec</u>			
City/State: <u>St. Paul MN</u>		Project: <u>MidAmerican Steel</u>	
Receipt Information			
Date/Time Received: <u>09.15.17 9:15</u>		Received By: <u>GL</u>	
Delivery Type: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> FedEx Ground <input type="checkbox"/> US Mail <input type="checkbox"/> Spee-Dee <input type="checkbox"/> TA Courier <input type="checkbox"/> TA Field Services <input type="checkbox"/> Client Drop-off <input type="checkbox"/> Other: _____			
Condition of Cooler/Containers			
Sample(s) received in Cooler?		If yes: Cooler ID:	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>DC-1</u>	
Multiple Coolers?		If yes: Cooler # <u>4</u> of <u>4</u>	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Cooler Custody Seals Present?		If yes: Cooler custody seals intact?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sample Custody Seals Present?		If yes: Sample custody seals intact?	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Trip Blank Present?		If yes: Which VOA samples are in cooler? ↓	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<u>HCL & All VOAs; MeOH: GP-16(12-14) GP-8(0-2) GP-18(17-14) GP-26(0-2), GP-18(6-2)</u> <u>GP-19(0-2) GP-19(17-19) GP-14(0-2) GP-8(5-7), GP-3(2-4) GP-12(0-2), GP-6(5-6), GP-13(13-15)</u>			
Temperature Record			
Coolant: <input checked="" type="checkbox"/> Wet ice <input type="checkbox"/> Blue ice <input type="checkbox"/> Dry ice <input type="checkbox"/> Other: _____ <input type="checkbox"/> NONE			
Thermometer ID: <u>G</u>		Correction Factor (°C): <u>-0.1</u>	
• Temp Blank Temperature – If no temp blank, or temp blank temperature above criteria, proceed to Sample Container Temperature			
Uncorrected Temp (°C): <u>0.4</u>		Corrected Temp (°C): <u>0.3</u>	
• Sample Container Temperature			
Sample ID(s) & bottle type used:			
CONTAINER 1		CONTAINER 2	
Uncorrected Temp (°C):		Corrected Temp (°C):	
TEMP 1 TEMP 2		TEMP 1 TEMP 2	
Exceptions Noted			
1) If temperature exceeds criteria, was sample(s) received same day of sampling? <input type="checkbox"/> Yes <input type="checkbox"/> No			
a) If yes: Is there evidence that the chilling process began? <input type="checkbox"/> Yes <input type="checkbox"/> No			
2) If temperature is <0°C, are there obvious signs that the integrity of sample containers is compromised? (e.g., bulging septa, broken/cracked bottles?) <input type="checkbox"/> Yes <input type="checkbox"/> No			
NOTE: If yes, contact PM before proceeding. If no, proceed with login			
Additional Comments			
<u>GP-3(2-4) VOC sample looks empty (only MeOH in vial?)</u>			

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Client Name: STANTEC Client #: _____
Address: 2335 HIGHWAY 36 W.
City/State/Zip Code: ST. PAUL, MN 55113
Project Manager: DAVID CONSTANT
Email Address: david.constant@stantec.com
Telephone Number: 651.255.3960 Fax: _____
Sampler Name: (Print Name) MATTHEW PONTIER
Sampler Signature: Matthew Pontier

Project Name: MID AMERICAN STEEL
Project #: 193704907
Site/Location ID: FARGO State: MINN ND
Report To: DAVID CONSTANT
Invoice To: DAVID CONSTANT
Quote #: _____ PO#: _____

TAT <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush (surcharges may apply)	Date Needed: _____	Date Sampled	Time Sampled	G = Grab, C = Composite	Field Filtered	Matrix								Preservation & # of Containers				Analyze For:				QC Deliverables		REMARKS					
						SL - Sludge	DW - Drinking Water	GW - Groundwater	S - Soil/Solid	VW - Wastewater	Specify, Other	HNO ₃	HCl	NaOH	H ₂ SO ₄	Methanol	None	Other (Specify)	PAH (8270)	ROPA METALS (6010/7470)	VOC (8260)	DEY WEIGHT	None		Level 2 (Batch QC)	Level 3	Level 4	Other: _____	
		9-12-17	1800	C		S									1	2	X	X	X	X									
		9-13-17	0945	C		S									1	2	X	X	X	X									
		9-13-17	1000	C		S									1	2	X	X	X	X									
		9-13-17	1035	C		S									1	2	X	X	X	X									
		9-13-17	1100	C		S									1	2	X	X	X	X									
		9-13-17	1140	C		S									1	2	X	X	X	X									
		9-13-17	1200	C		S									1	2	X	X	X	X									
		9-13-17	1220	C		S									1	2	X	X	X	X									
		9-13-17	1240	C		S									1	2	X	X	X	X									
		9-13-17	1300	C		S									1	2	X	X	X	X									

Special Instructions:	LABORATORY COMMENTS:				
Relinquished By: <u>Matthew Pontier</u> Date: <u>9/4/17</u> Time: <u>1330</u>	Received By: <u>Barb Buxton</u> Date: <u>9/4/17</u> Time: <u>1330</u>	Relinquished By: <u>Barb Buxton</u> Date: <u>9/4/17</u> Time: <u>1700</u>	Received By: <u>76472</u> Date: <u>9/15/17</u> Time: <u>0915</u>		
Relinquished By:	Date:	Time:	Received By:	Date:	Time:



Login Sample Receipt Checklist

Client: Stantec Consulting Corporation

Job Number: 310-114352-1

SDG Number: 193704907

Login Number: 114352

List Number: 1

Creator: Hummel, Matt R

List Source: TestAmerica Cedar Falls

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

DRAFT

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